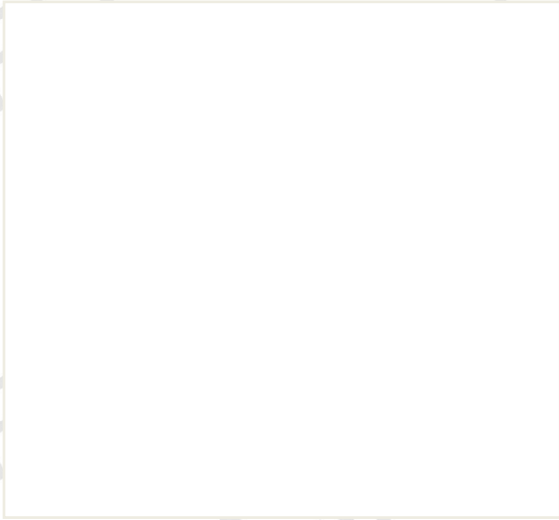


A-INFO

A-INFO Microwave

Antenna Products



Horn Antenna
Spiral Antenna
Microstrip Antenna
Log Periodic Antenna
Discone-Type Antenna
Bi-Conical Antenna



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Broadband Horn Antenna



The LB series broadband waveguide horn antennas are linearly polarized and provide an efficient low cost means of making broadband measurements. A-INFO's horn antenna can cover from 100MHz to 67GHz frequency range. These horns are ideally suited for EMI testing, direction finding, surveillance, antenna gain and Pattern measurements and other applications. The LB series horn antennas have high gain, over octave bandwidths, low VSWR and advantages of small size and light weight.

Also we provide specific gain horn antennas according to customers' requirement.

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Broadband Horn Antenna and download.

Model	Freq. (GHz)	Pol.	Gain (dB) Typ.	VSWR Typ.	Connector	Power Handling (W) CW Max.	Size (mm)
LB-110-NF	0.1-1.0	Linear	3-10	2.5:1	N-F	800	2250 x 2154 x 1423
LB-225-NF	0.2-2.5	Linear	12	2.0:1	N-F	800	967 x 730 x 903
LB-460-NF	0.4-6.0	Linear	10	1.5:1	N-F	500	492 x 320 x 436
LB-530-NF	0.5-3.0	Linear	11	1.5:1	N-F	500	435 x 288 x 348
LB-560-NF	0.5-6.0	Linear	11	1.5:1	N-F	500	435 x 288 x 348
LB-660-NF	0.6-6.0	Linear	11	1.5:1	N-F	500	435 x 288 x 348
LB-7180-NF	0.7-18.0	Linear	12	2.0:1	N-F	300	244 x 160.5 x 228
LB-7180-SF	0.7-18.0	Linear	12	2.0:1	SMA-F	50	244 x 160.5 x 228
LB-880-NF	0.8-8.0	Linear	10	1.5:1	N-F	300	284 x 184 x 252
LB-880-SF	0.8-8.0	Linear	10	1.5:1	SMA-F	50	284 x 184 x 252
LB-8180-NF	0.8-18.0	Linear	12	1.5:1	N-F	300	244 x 160 x 230
LB-8180-SF	0.8-18.0	Linear	12	1.5:1	SMA-F	50	244 x 160 x 230
LB-1025-NF	1.0-2.5	Linear	15	1.5:1	N-F	500	586 x 436 x 769
LB-1025-SF	1.0-2.5	Linear	15	1.5:1	SMA-F	50	586 x 436 x 769
LB-1025-7/16F	1.0-2.5	Linear	15	1.5:1	7/16-F	500	586 x 436 x 769
LB-1080-NF	1.0-8.0	Linear	11	1.5:1	N-F	300	244 x 160 x 204
LB-1080-SF	1.0-8.0	Linear	11	1.5:1	SMA-F	50	244 x 160 x 204
LB-1080-M-NF	1.0-8.0	Linear	10	2.5:1	N-F	150	85 x 89.5 x 140
LB-1080-M-SF	1.0-8.0	Linear	10	2.5:1	SMA-F	50	85 x 89.5 x 140

Model	Freq. (GHz)	Pol.	Gain (dB) Typ.	VSWR Typ.	Connector	Power Handling (W) CW Max.	Size (mm)
LB-10125-NF	1.0-12.5	Linear	11	1.5:1	N-F	300	244 x 160 x 204
LB-10125-SF	1.0-12.5	Linear	11	1.5:1	SMA-F	50	244 x 160 x 204
LB-10180-NF	1.0-18.0	Linear	11	1.5:1	N-F	300	244 x 160 x 204
LB-10180-SF	1.0-18.0	Linear	11	1.5:1	SMA-F	50	244 x 160 x 204
LB-10200-SF	1.0-20.0	Linear	11	1.5:1	SMA-F	50	244 x 160 x 204
LB-10200-NF	1.0-20.0	Linear	11	1.5:1	N-F	300	244 x 160 x 204
LB-2060-H-NF	2.0-6.0	Linear	15	1.3:1	N-F	500	245 x 195 x 407
LB-2060-H-SF	2.0-6.0	Linear	15	1.3:1	N-F	50	245 x 195 x 407
LB-2080-NF	2.0-8.0	Linear	11	1.5:1	N-F	150	103.8 x 77.9 x 127
LB-2080-SF	2.0-8.0	Linear	11	1.5:1	SMA-F	50	103.8 x 77.9 x 127
LB-20180-SF	2.0-18.0	Linear	12	1.5:1	SMA-F	50	103.8 x 77.9 x 127
LB-20180-NF	2.0-18.0	Linear	12	1.5:1	N-F	150	103.8 x 77.9 x 127
LB-20180H-SF	2.0-18.0	Linear	17	1.5:1	SMA-F	50	438 x 183 x 183
LB-20180H-NF	2.0-18.0	Linear	17	1.5:1	N-F	150	438 x 183 x 183
LB-20200-SF	2.0-20.0	Linear	12	1.5:1	SMA-F	50	103.8 x 77.9 x 127
LB-20200-NF	2.0-20.0	Linear	12	1.5:1	N-F	150	103.8 x 77.9 x 127
LB-20200H-SF	2.0-20.0	Linear	17	1.5:1	SMA-F	50	438 x 183 x 183
LB-20200H-NF	2.0-20.0	Linear	17	1.5:1	N-F	150	438 x 183 x 183
LB-20245-SF	2.0-24.5	Linear	13	1.5:1	SMA-F	50	84 x 64 x 127
LB-20265-SF	2.0-26.5	Linear	13	1.5:1	SMA-F	50	93.8 x 63.9 x 112
LB-20265-3.5F	2.0-26.5	Linear	13	1.5:1	3.5mm-F	50	93.8 x 63.9 x 112
LB-40400-KF	4.0-40.0	Linear	13	1.5:1	2.92mm(K)-F	20	65 x 51.8 x 41.8
LB-40400-2.4F	4.0-40.0	Linear	13	1.5:1	2.4mm(K)-F	10	65 x 51.8 x 41.8
LB-45500-2.4F	4.5-50.0	Linear	13	1.5:1	2.4mm-F	10	65 x 43.8 x 41.3
LB-60180-NF	6.0-18.0	Linear	10	1.5:1	N-F	150	55 x 55.1 x 109
LB-60180-SF	6.0-18.0	Linear	10	1.5:1	SMA-F	50	55 x 44 x 109
LB-60180-HNF	6.0-18.0	Linear	10	1.5:1	HP N-F	500	55 x 50.5 x 115.3
LB-60670-1.85F	6.0-67.0	Linear	13	1.5:1	1.85mm-F	5	65 x 32.4 x 27.8
LB-80180-SF	8.0-18.0	Linear	10	1.5:1	SMA-F	50	48 x 39 x 96.7
LB-80180-NF	8.0-18.0	Linear	10	1.5:1	N-F	150	48 x 52.6 x 96.7
LB-80180-HNF	8.0-18.0	Linear	10	1.5:1	HP N-F	500	48 x 47.6 x 96.7
LB-180400-KF	18.0-40.0	Linear	15	1.5:1	2.92mm(K)-F	20	32 x 28.6 x 71
LB-180400-2.4F	18.0-40.0	Linear	15	1.5:1	2.4mm-F	10	32 x 29.9 x 71
LB-180400H-KF	18.0-40.0	Linear	20	1.5:1	2.92mm(K)-F	20	55 x 55 x 113
LB-180400H-2.4F	18.0-40.0	Linear	20	1.5:1	2.4mm-F	10	55 x 55 x 113
LB-180500-2.4F	18.0-50.0	Linear	15	1.5:1	2.4mm-F	10	32 x 29.9 x 71
LB-180500H-2.4F	18.0-50.0	Linear	20	1.5:1	2.4mm-F	10	55 x 55 x 113

Note:

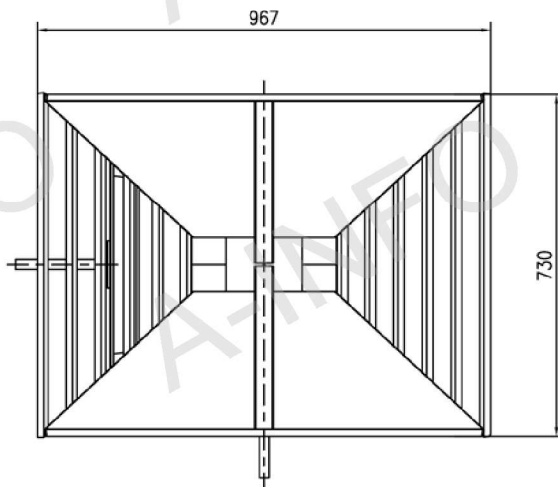
1. We can offer mounting bracket, please email to sales@ainfoinc.com

Broadband Horn Antenna 0.2~2.5GHz

P/N: LB-225

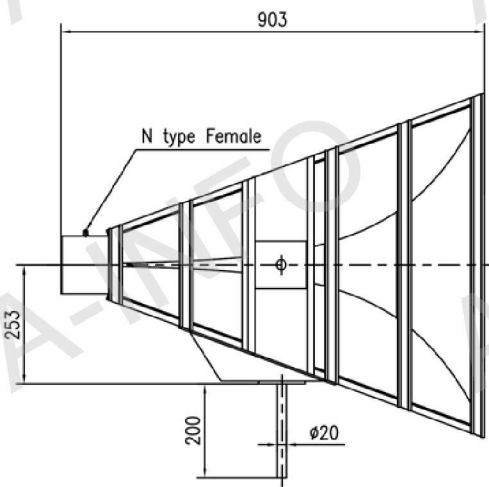


Outline Drawing (Size: mm)



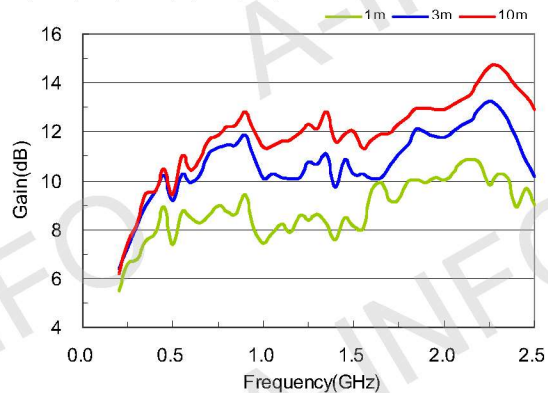
Technical Specification

Frequency Range(GHz)	0.2-2.5
Gain(dB)	12 Typ.
Polarization	Linear
VSWR	2.0:1 Typ.
Connector	N-Female
Power Handling(W) CW	800 Max
Size(mm)	967 x 730 x 903
Net Weight(Kg)	14.14 Around (16.34 Including Hand Holder)



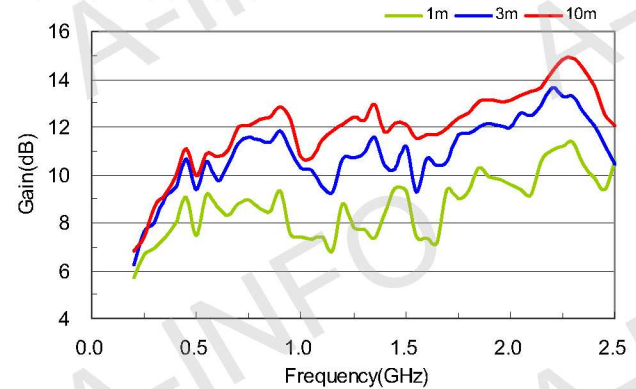
Gain

Horizontal Polarization



Gain

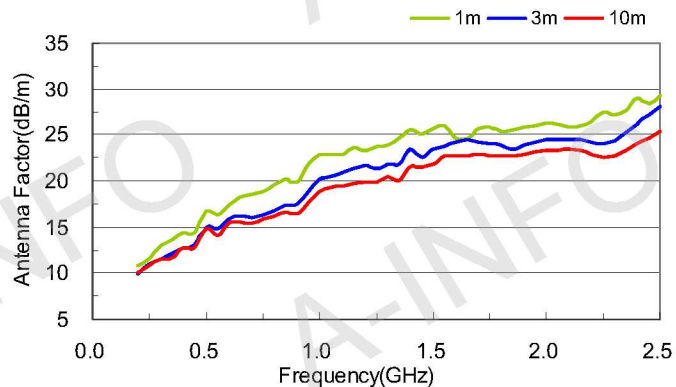
Vertical Polarization



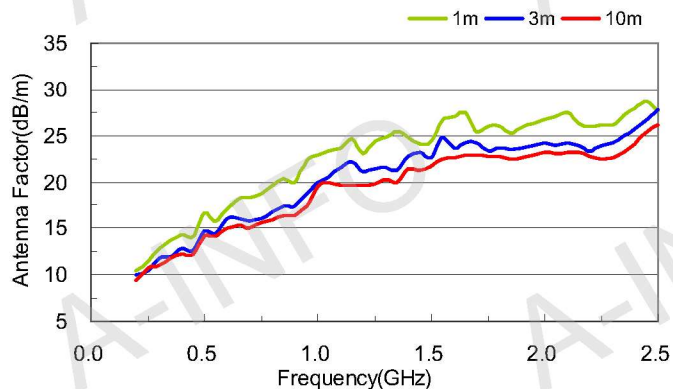
Broadband Horn Antenna 0.2~2.5GHz (continued)

P/N: LB-225

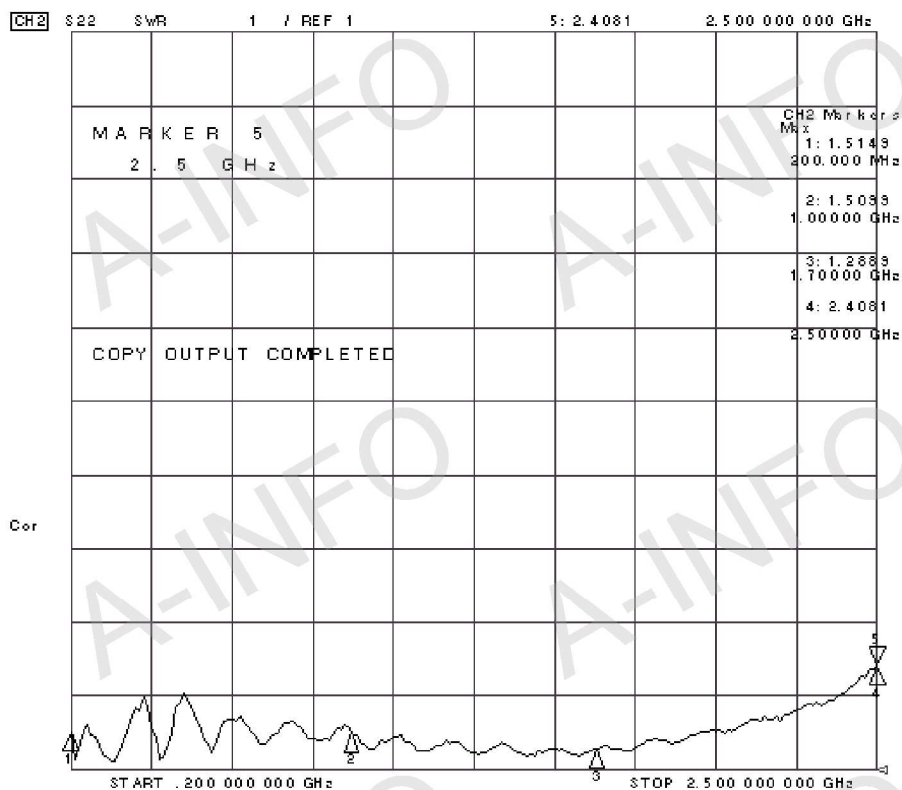
Antenna Factor
Horizontal Polarization



Antenna Factor
Vertical Polarization



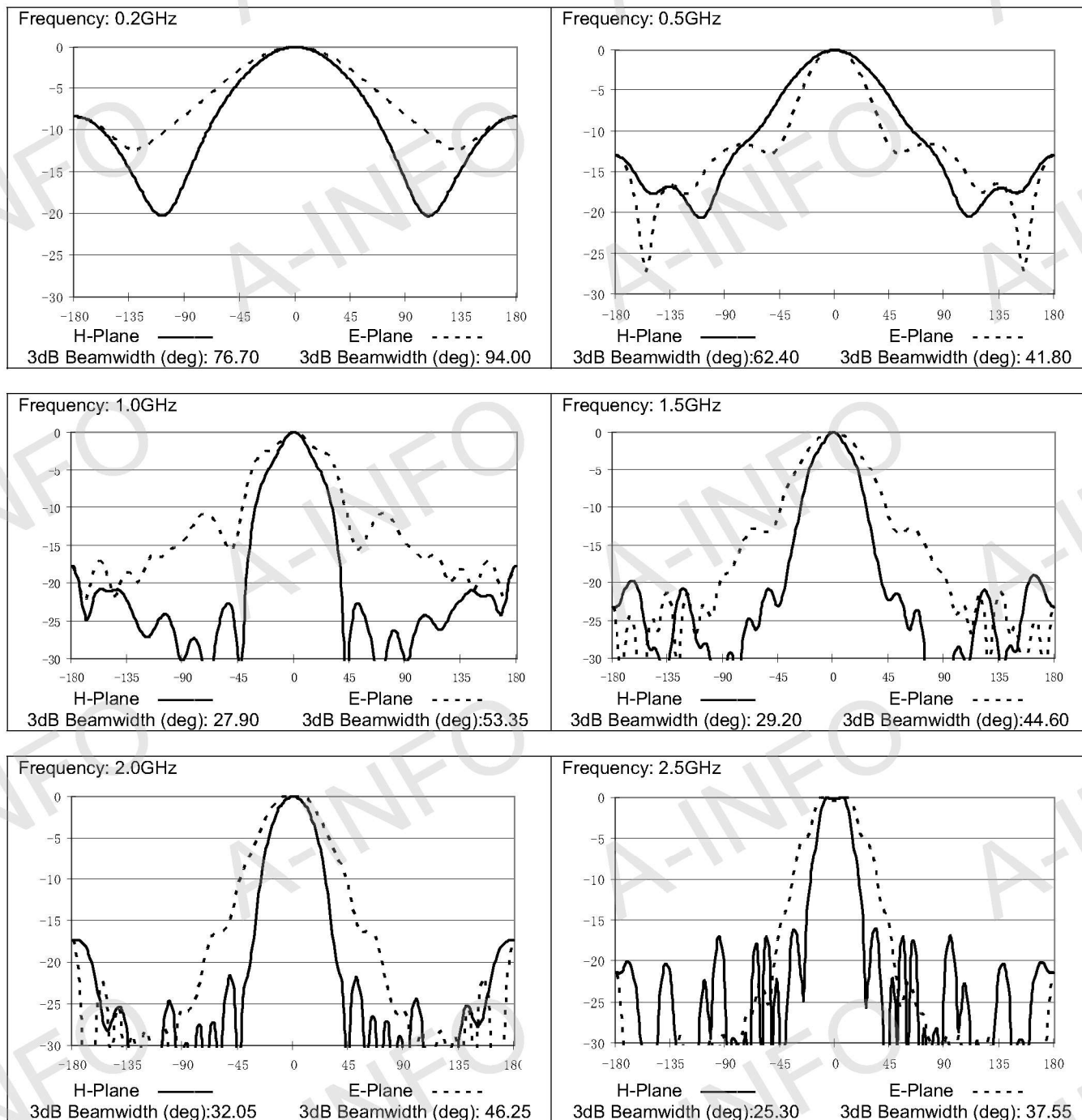
VSWR



Broadband Horn Antenna 0.2~2.5GHz(continued)

P/N: LB-225

Pattern



Broadband Horn Antenna 0.4~6GHz

P/N: LB-460

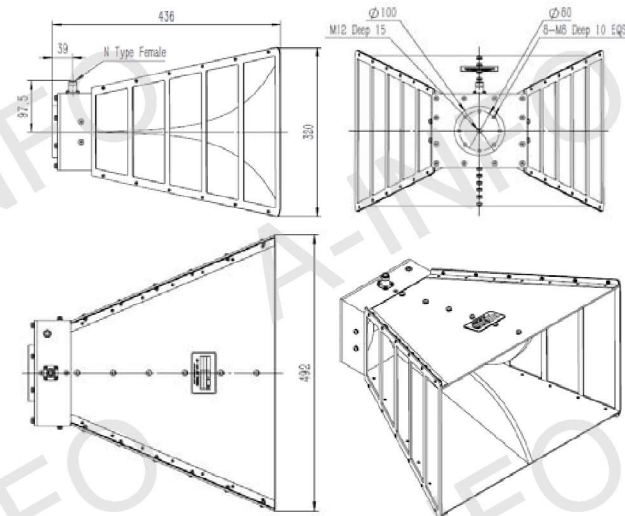


Technical Specification

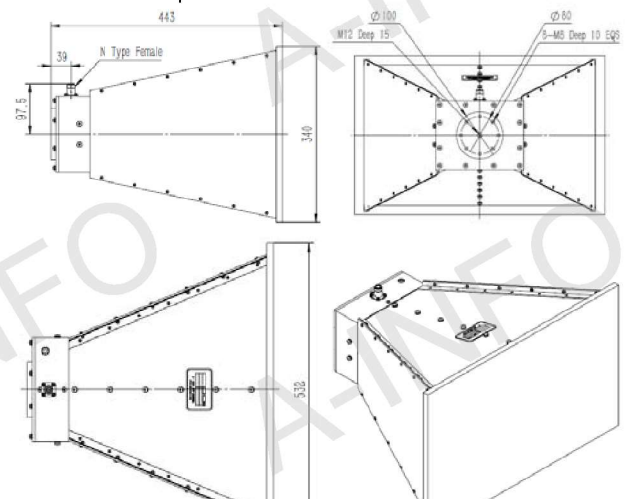
Frequency Range(GHz)	0.4-6.0
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 104 - 31 H Plane: 94 - 35
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female
Power Handling(W) CW	500 Max
Material	Al
Size(mm)	492 x 320 x 436
Net Weight(Kg)	7.4 Around

Outline Drawing (Size: mm)

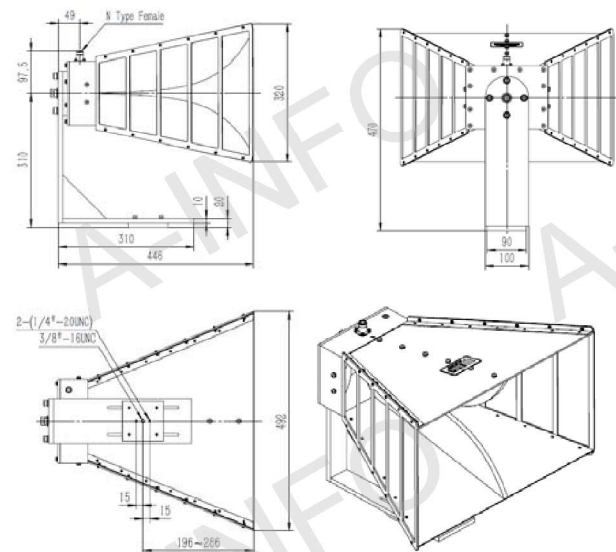
N-Female Output



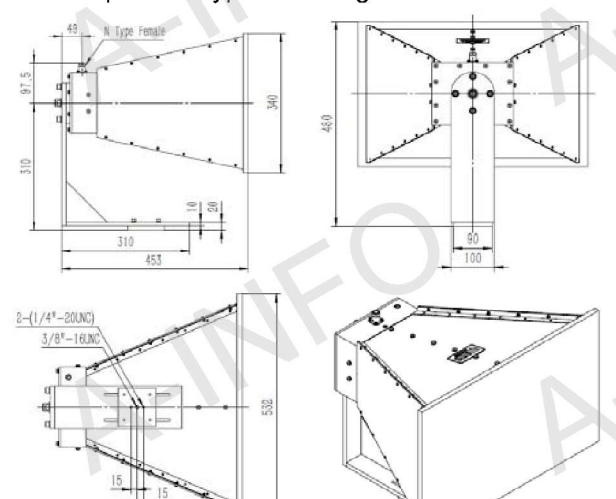
N-Female Output with Radome



N-Female Output with L type mounting bracket



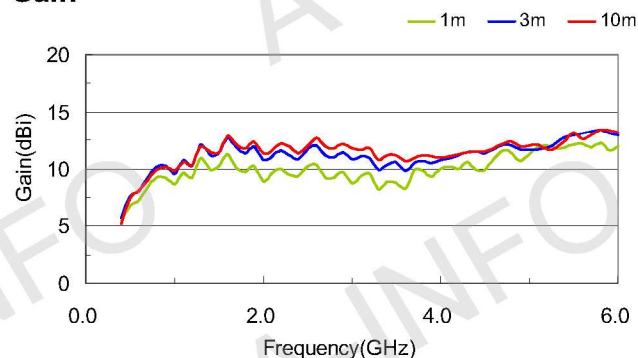
N-F Output w/ L type mounting bracket & Radome



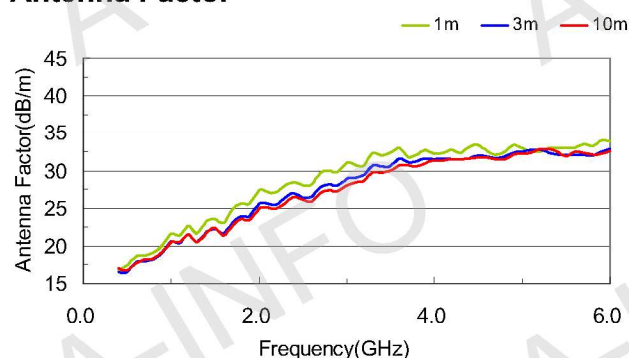
Broadband Horn Antenna 0.4~6GHz(continued)

P/N: LB-460

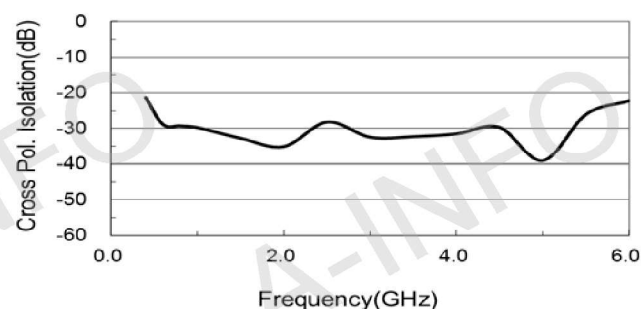
Gain



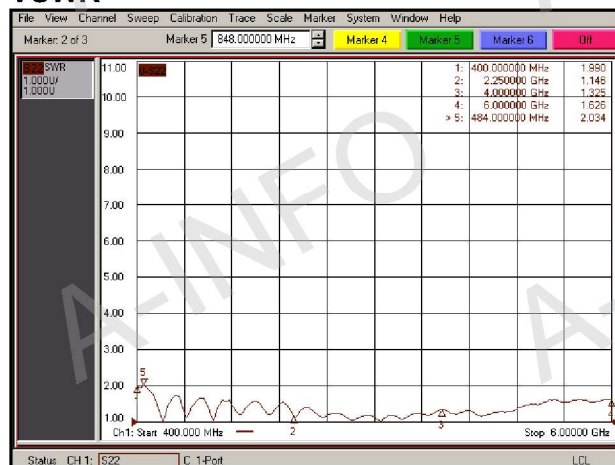
Antenna Factor



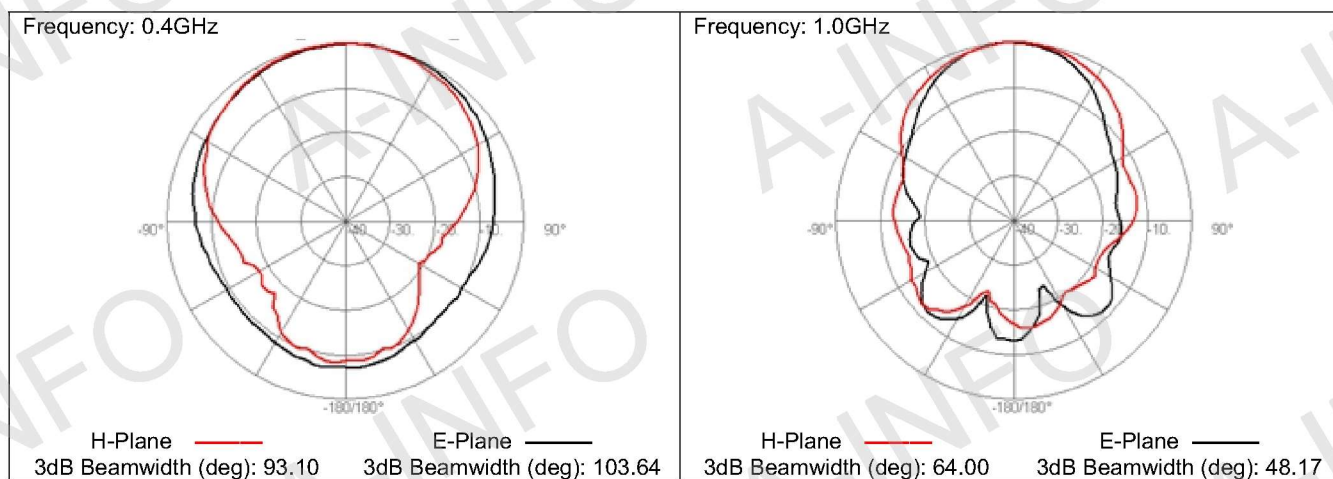
Cross Polarization Isolation



VSWR



Pattern

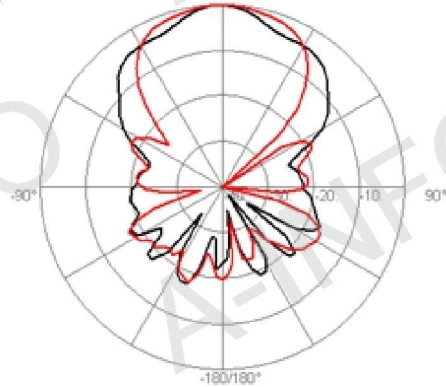


Broadband Horn Antenna 0.4~6GHz(continued)

P/N: LB-460

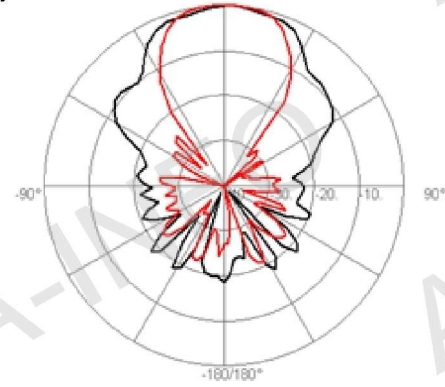
Pattern

Frequency: 2.0GHz



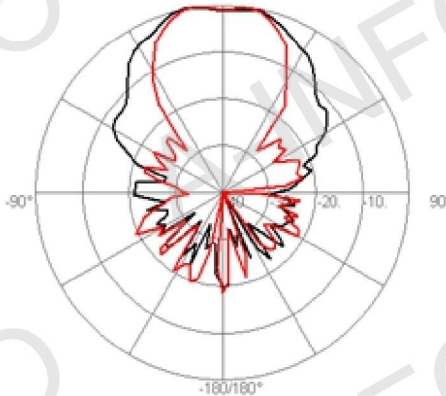
H-Plane 3dB Beamwidth (deg): 53.02
E-Plane 3dB Beamwidth (deg): 31.02

Frequency: 3.0GHz



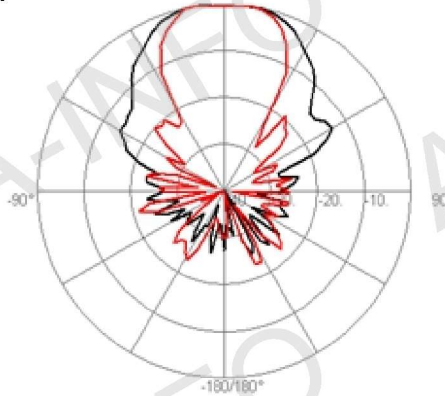
H-Plane 3dB Beamwidth (deg): 39.80
E-Plane 3dB Beamwidth (deg): 51.47

Frequency: 4.0GHz



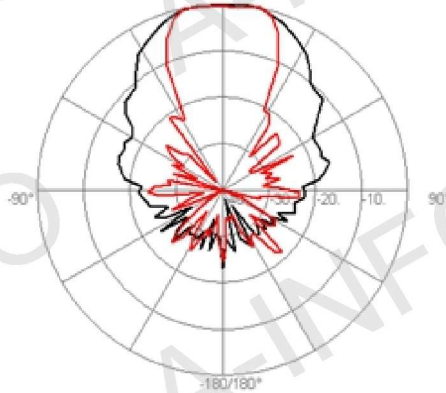
H-Plane 3dB Beamwidth (deg): 38.55
E-Plane 3dB Beamwidth (deg): 46.24

Frequency: 5.0GHz



H-Plane 3dB Beamwidth (deg): 37.87
E-Plane 3dB Beamwidth (deg): 49.66

Frequency: 5.5GHz



H-Plane 3dB Beamwidth (deg): 35.65
E-Plane 3dB Beamwidth (deg): 46.38

Frequency: 6.0GHz



H-Plane 3dB Beamwidth (deg): 36.01
E-Plane 3dB Beamwidth (deg): 43.82

Broadband Horn Antenna 0.5~6.0GHz

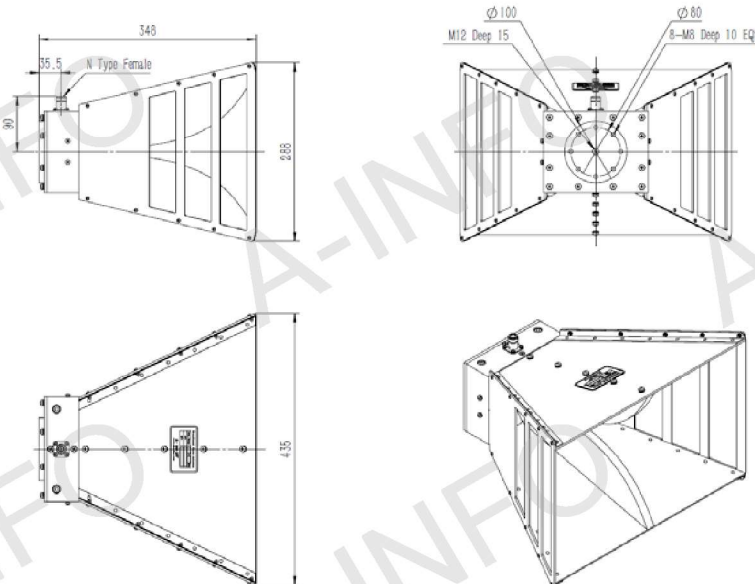
P/N: LB-560



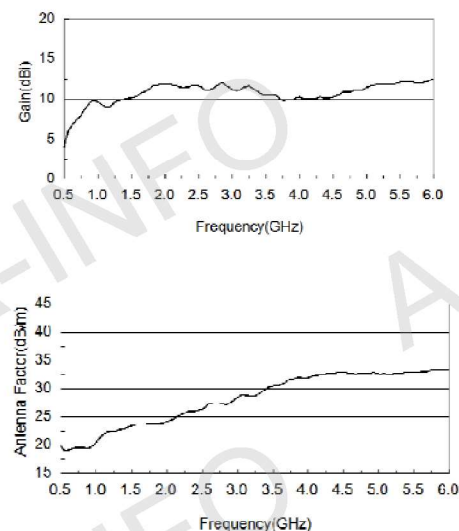
Technical Specification

Frequency Range(GHz)	0.5-6.0
Gain(dB)	11 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 97 - 34 H Plane: 75 - 33
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female
Power Handling(W) CW	500 Max
Material	Al
Size(mm)	435x288x348
Net Weight(Kg)	6.8 Around

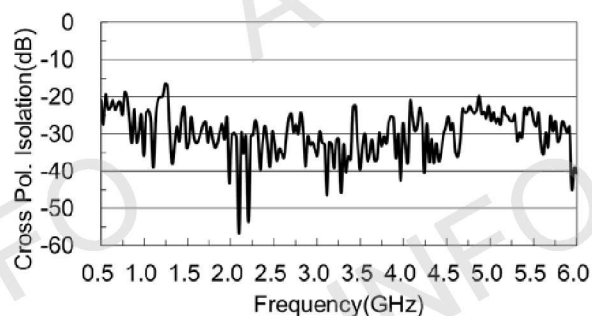
Outline Drawing and Mounting(Size: mm)



Gain&Antenna Factor



Cross Polarization Isolation



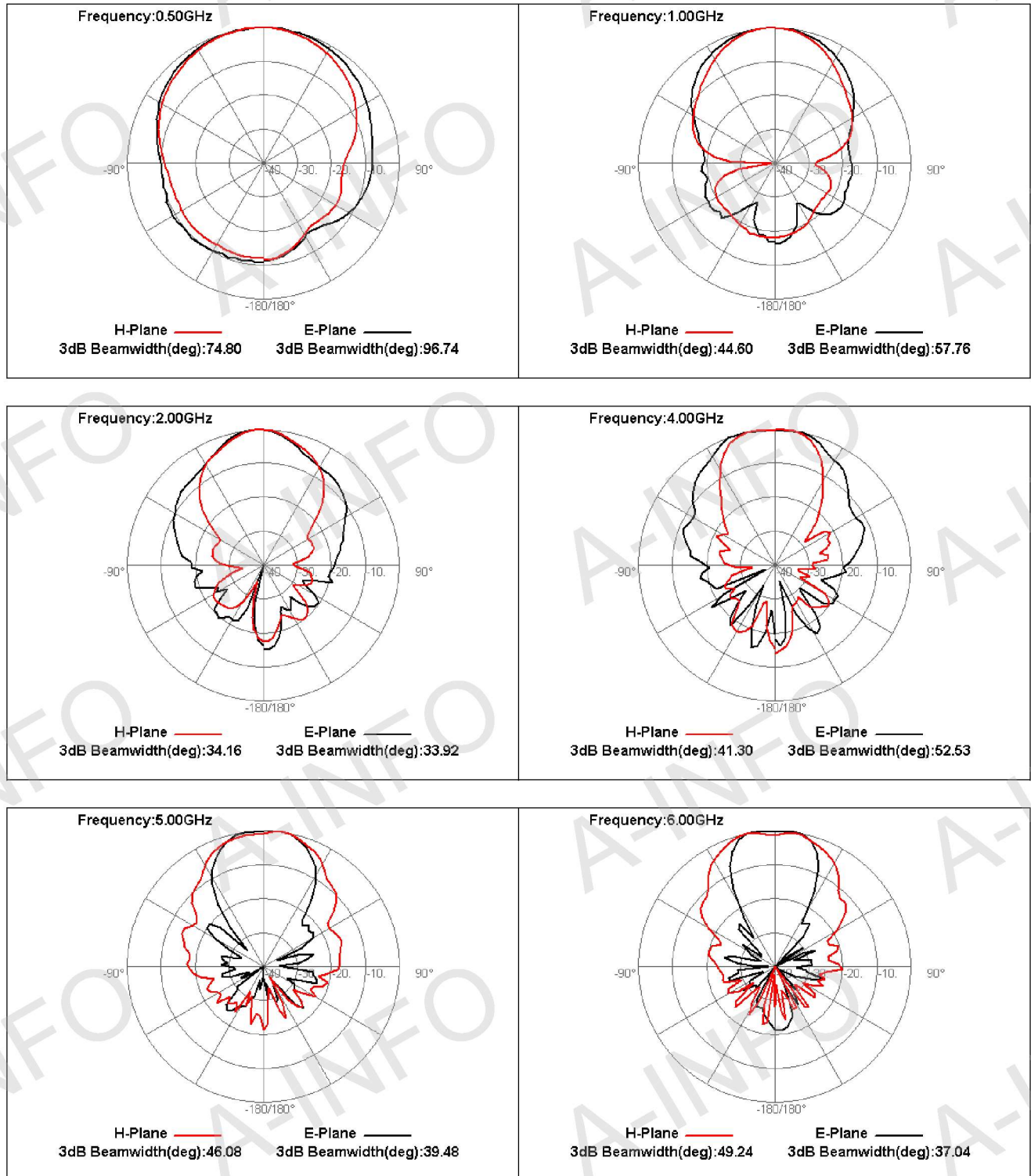
VSWR



Broadband Horn Antenna 0.5~6.0GHz(continued)

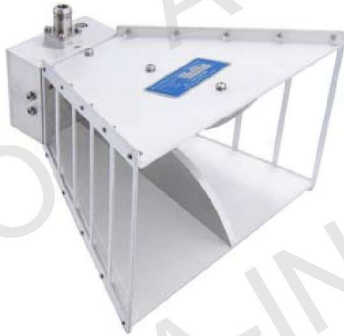
P/N: LB-560

Pattern



Broadband Horn Antenna 0.7~18GHz

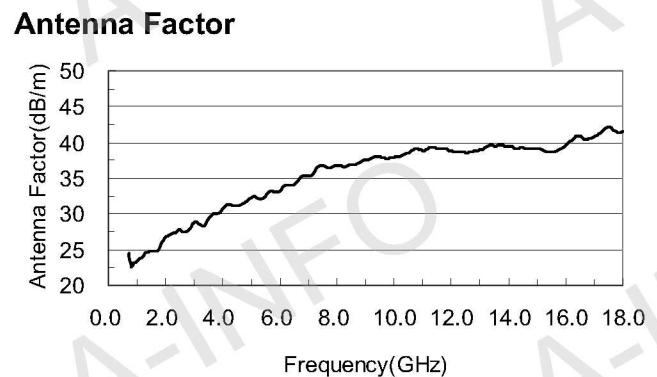
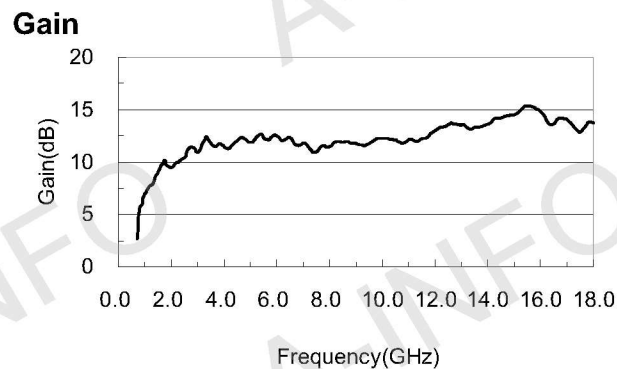
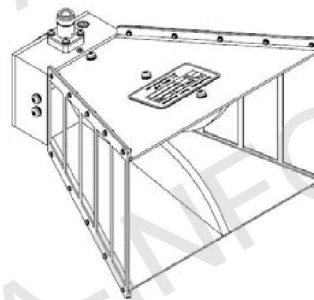
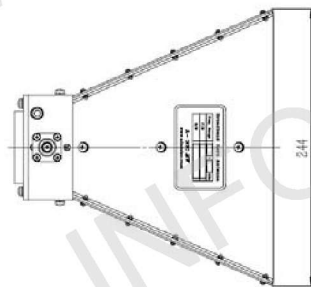
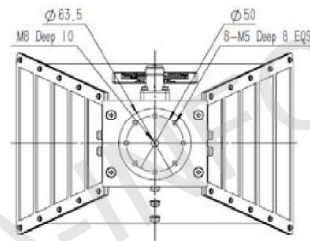
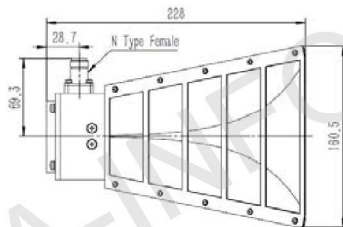
P/N: LB-7180



Technical Specification

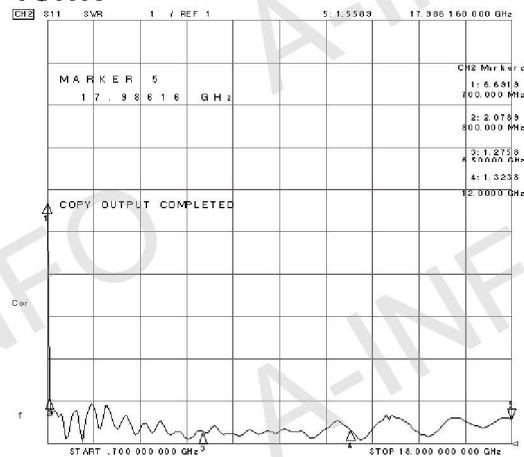
Frequency Range(GHz)	0.7-18
Gain(dB)	12 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 111 - 13 H Plane: 78 - 10
Cross Pol. Isolation(dB)	25 Typ.
VSWR	2.0:1 Typ.
Connector	N-Female/SMA-Female
Power Handling(W) CW	N-Female: 300 Max SMA-Female: 50 Max
Material	Al
Size(mm)	244x160.5x228
Net Weight(Kg)	1.5 Around

Outline Drawing and Mounting(Size: mm)

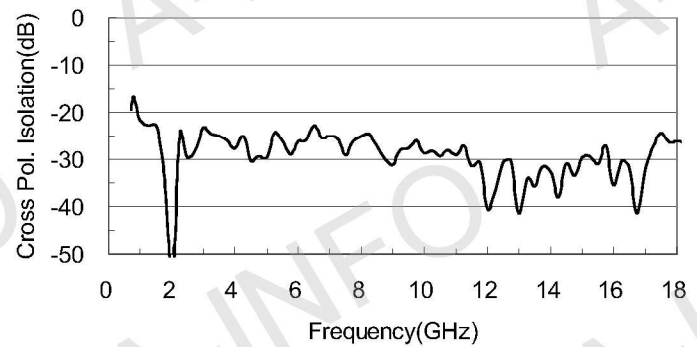


Broadband Horn Antenna 0.7~18GHz(continued)

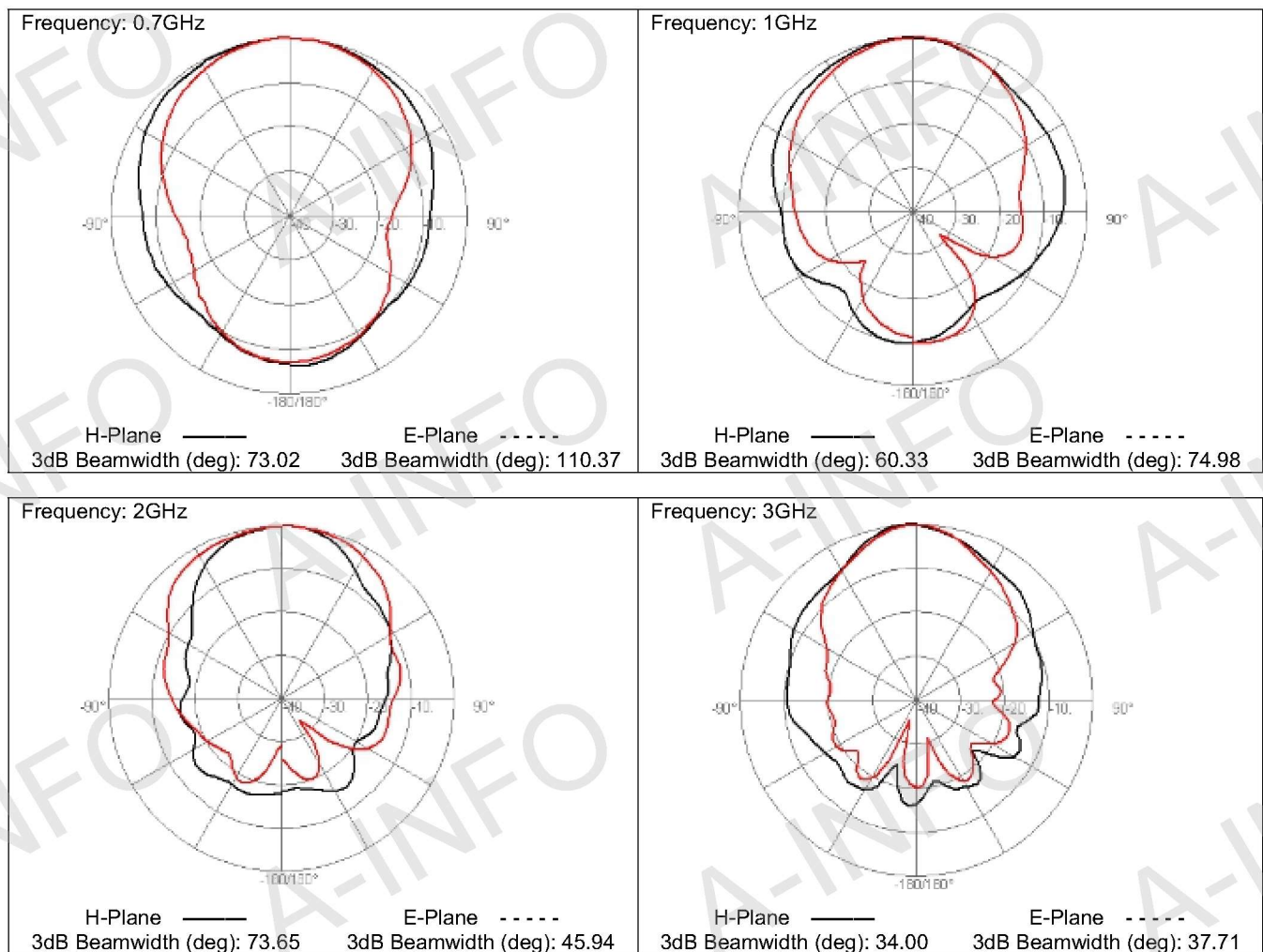
P/N: LB-7180

VSWR

Cross Polarization Isolation



Pattern

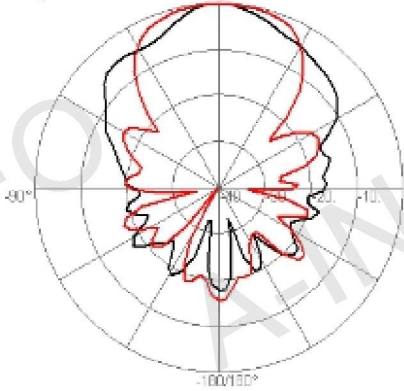


Broadband Horn Antenna 0.7~18GHz(continued)

P/N: LB-7180

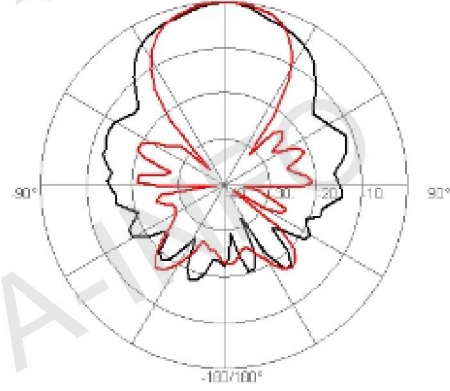
Pattern

Frequency: 4GHz



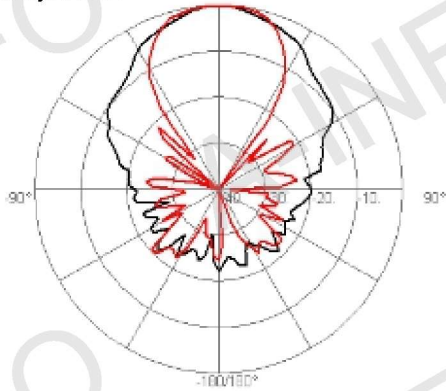
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 52.66 3dB Beamwidth (deg): 32.98

Frequency: 5GHz



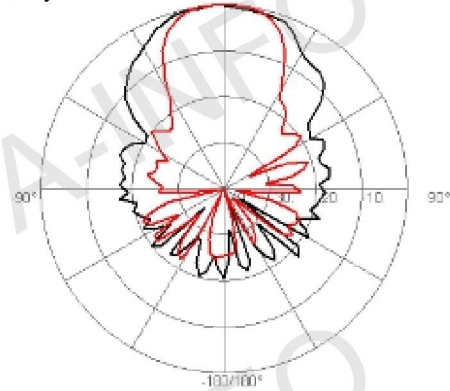
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 41.04 3dB Beamwidth (deg): 42.57

Frequency: 6GHz



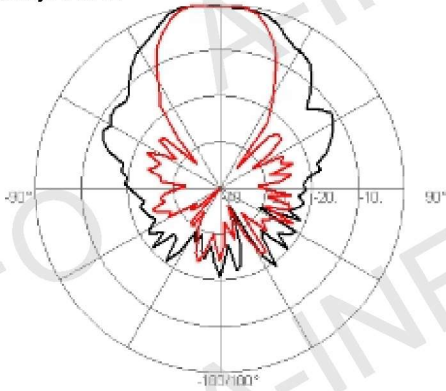
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 39.53 3dB Beamwidth (deg): 44.56

Frequency: 7GHz



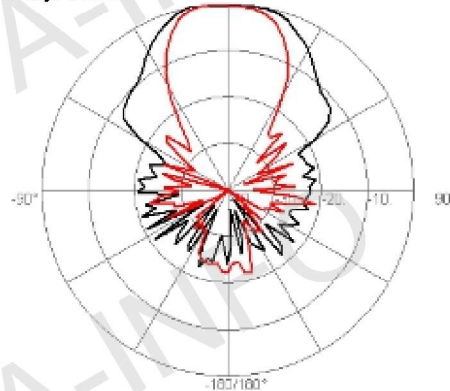
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 36.30 3dB Beamwidth (deg): 49.21

Frequency: 8GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 32.88 3dB Beamwidth (deg): 42.74

Frequency: 9GHz

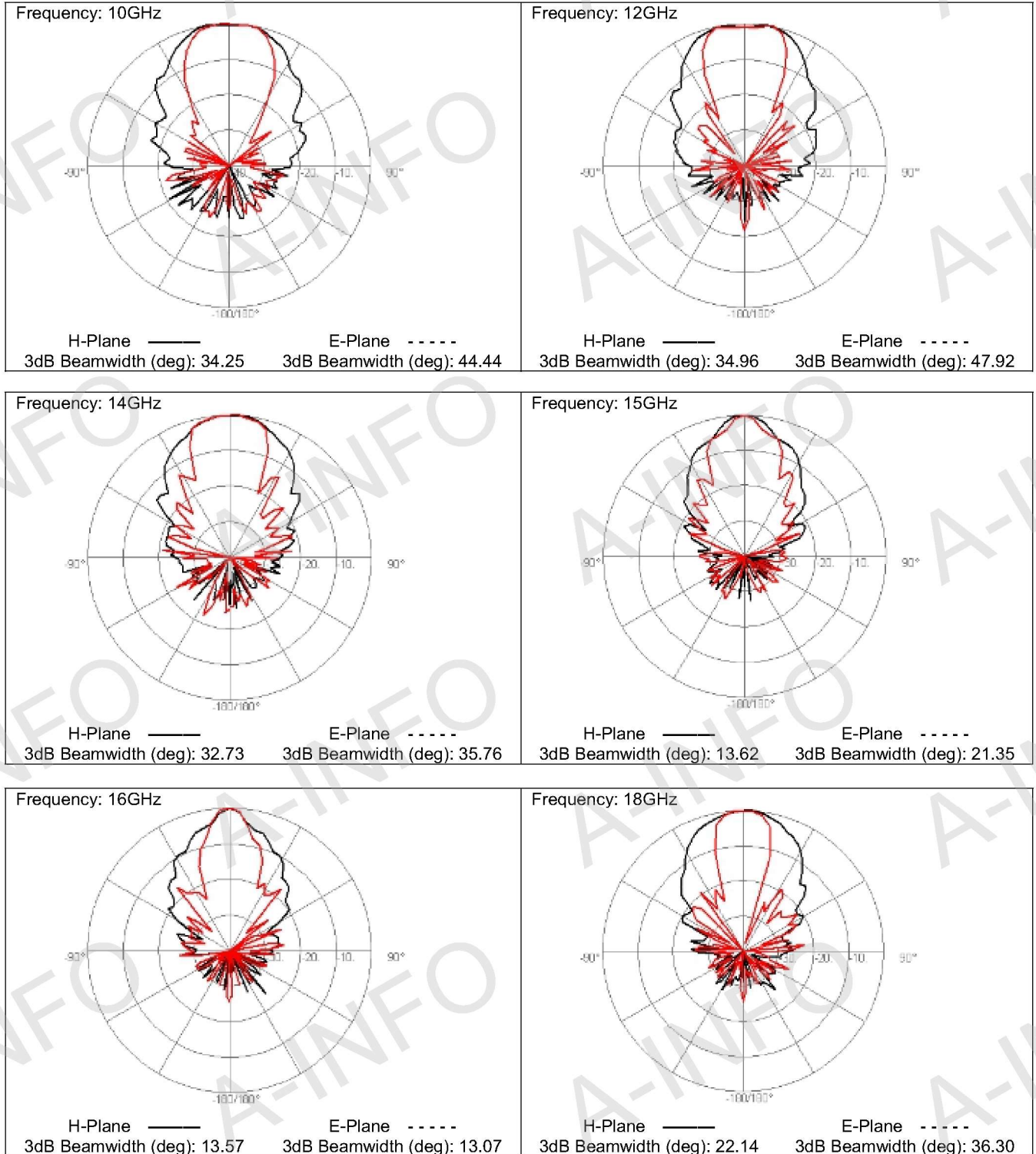


H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 34.08 3dB Beamwidth (deg): 46.42

Broadband Horn Antenna 0.7~18GHz(continued)

P/N: LB-7180

Pattern



Broadband Horn Antenna 0.8~8.0GHz

P/N: LB-880

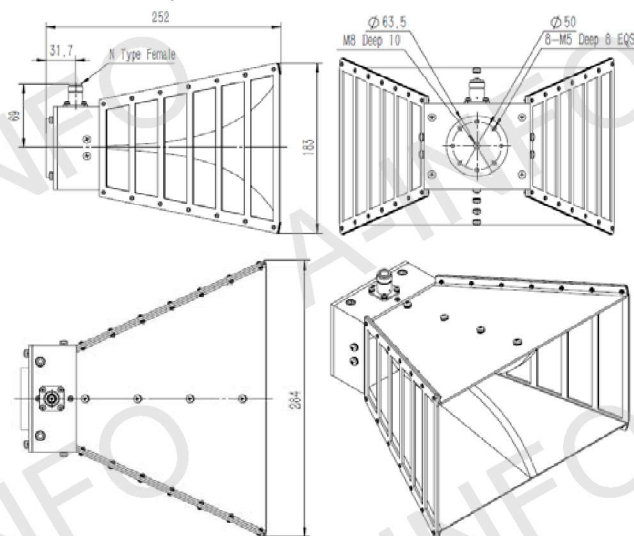


Technical Specification

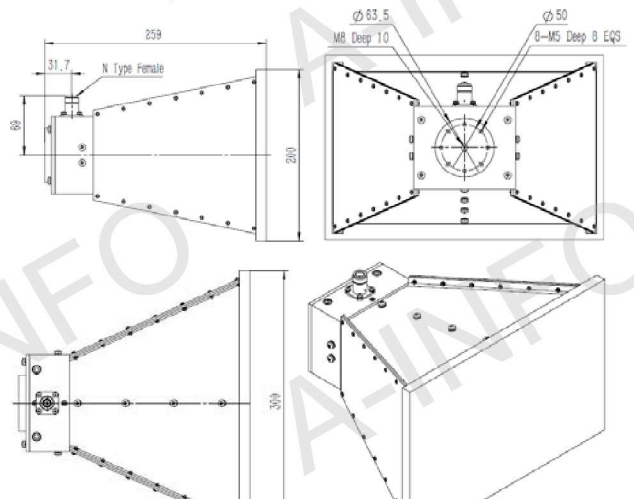
Frequency Range(GHz)	0.8-8
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 26 - 110 H Plane: 24 - 67
Cross Pol. Isolation(dB)	30 Typ.
VSWR	2.0:1 Typ.
Connector	N-Female/SMA-Female
Power Handling(W) CW	N-Female: 300 Max SMA-Female: 50 Max
Material	Al
Size(mm)	284 x 183 x 252
Net Weight(Kg)	2.1 Around

Outline Drawing (Size: mm) For SMA-Female output outline drawing, please contact A-INFO.

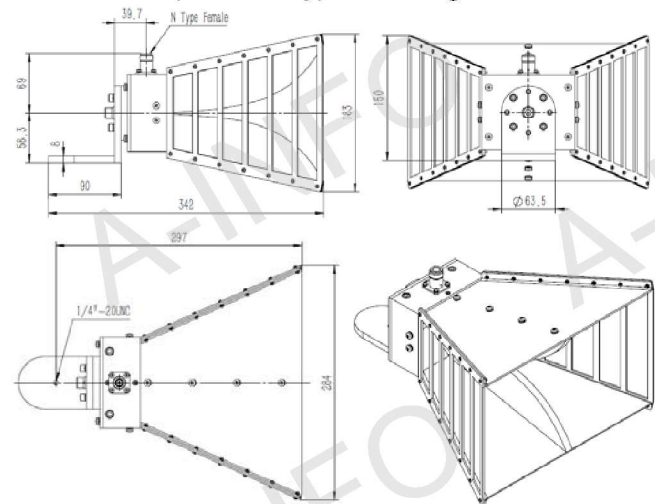
N-Female Output



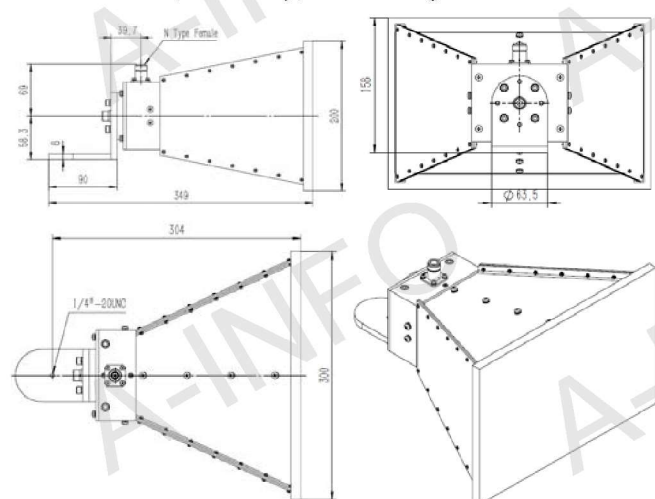
N-Female Output with Radome



N-Female Output with L type Mounting Bracket



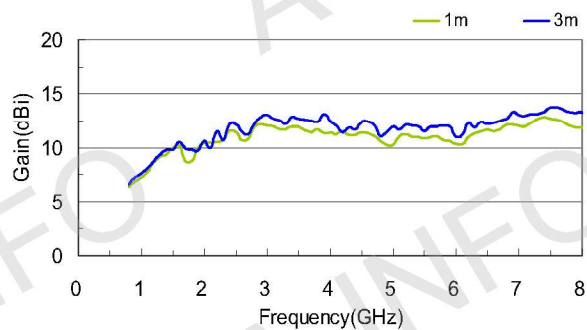
N-Female Output w/ L type Mounting Bracket&Radome



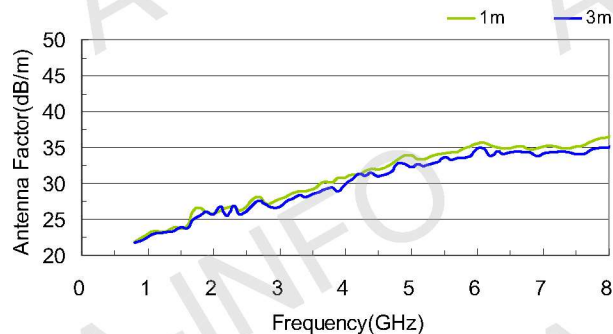
Broadband Horn Antenna 0.8~8.0GHz(continued)

P/N: LB-880

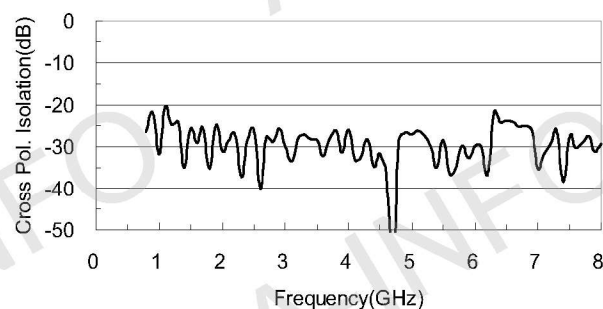
Gain



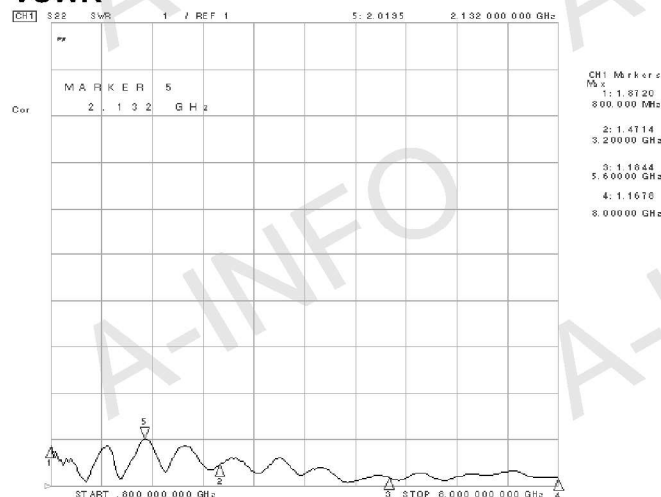
Antenna Factor



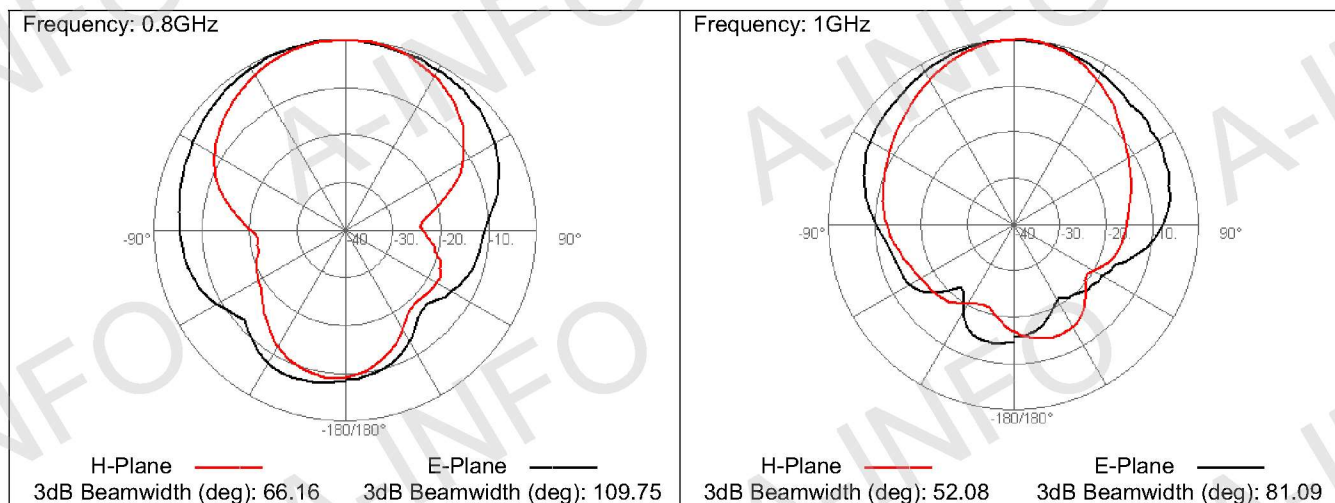
Cross Polarization Isolation



VSWR



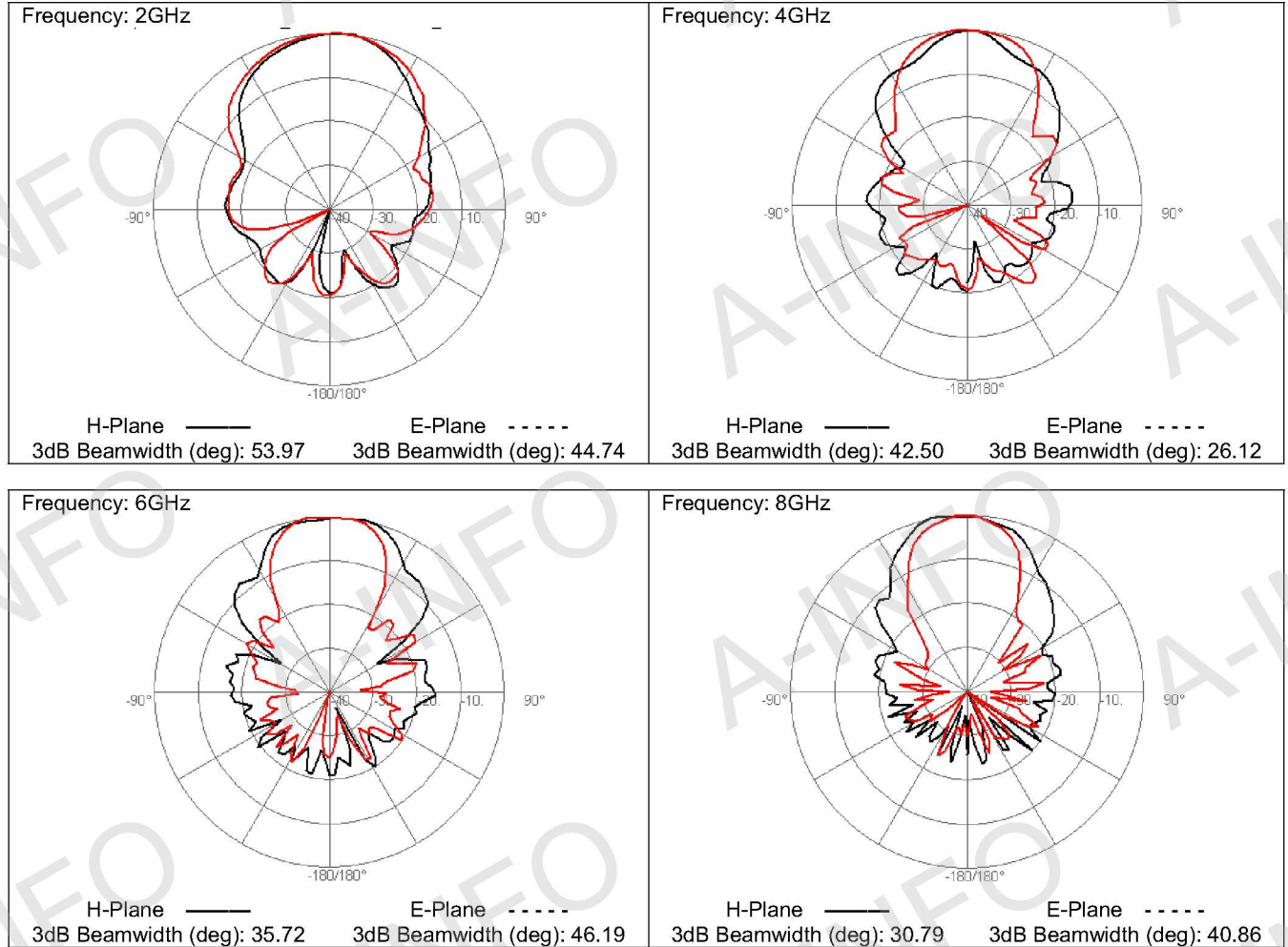
Pattern



Broadband Horn Antenna 0.8~8.0GHz(continued)

P/N: LB-880

Pattern



Broadband Horn Antenna 0.8~18GHz

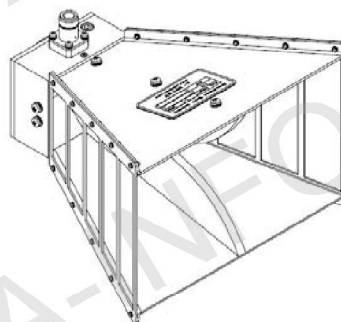
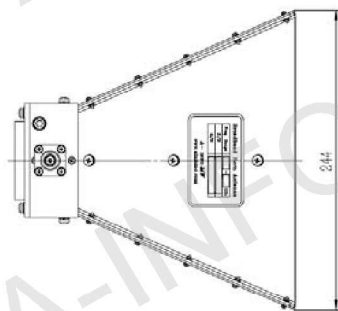
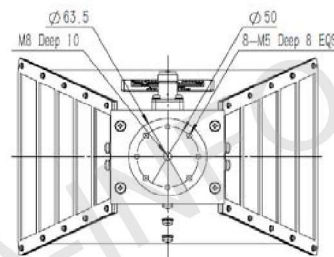
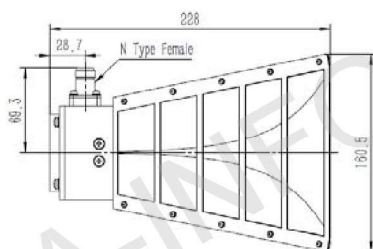
P/N: LB-8180



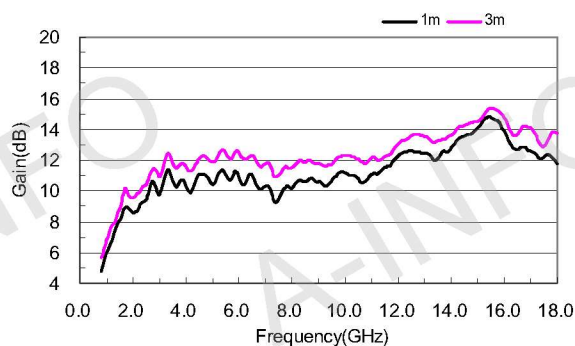
Technical Specification

Frequency Range(GHz)	0.8-18
Gain(dB)	12 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 111 - 13 H Plane: 78 - 10
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female/SMA-Female
Power Handling(W) CW	N-Female: 300 Max SMA-Female: 50 Max
Material	Al
Size(mm)	244 x 160.5 x 228
Net Weight(Kg)	1.5 Around

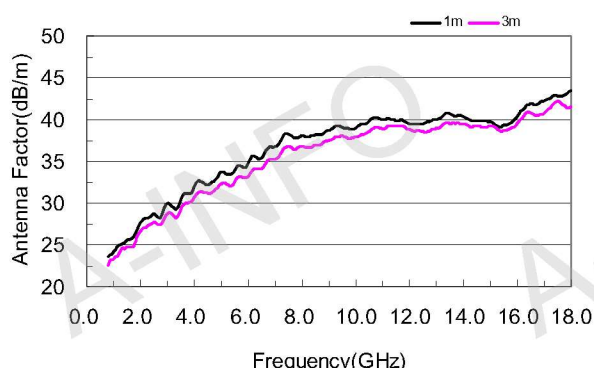
Outline Drawing and Mounting(Size: mm)



Gain



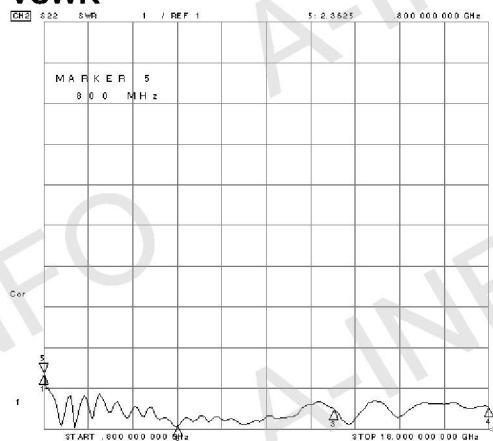
Antenna Factor



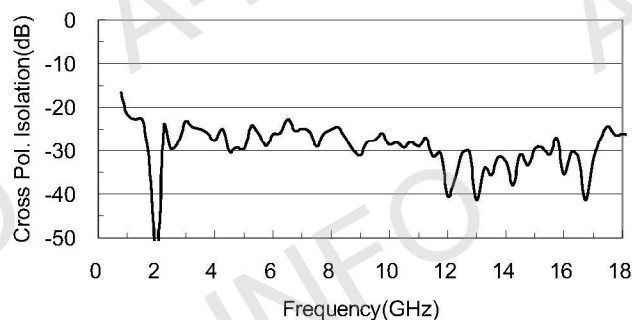
Broadband Horn Antenna 0.8~18GHz(continued)

P/N: LB-8180

VSWR

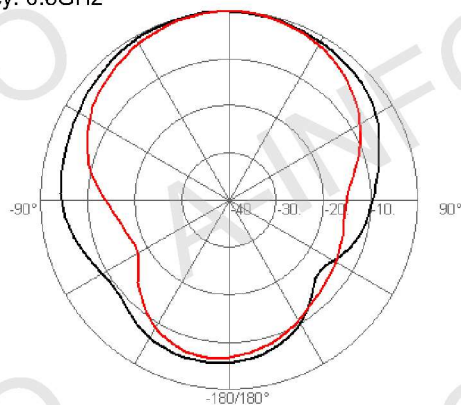


Cross Polarization Isolation

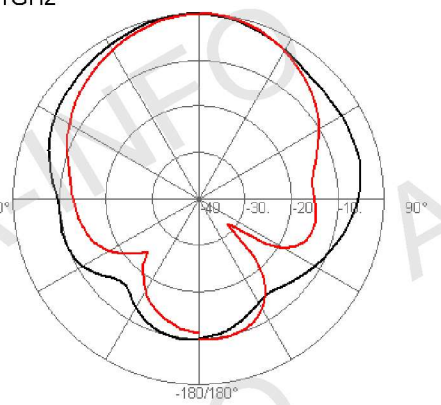


Pattern

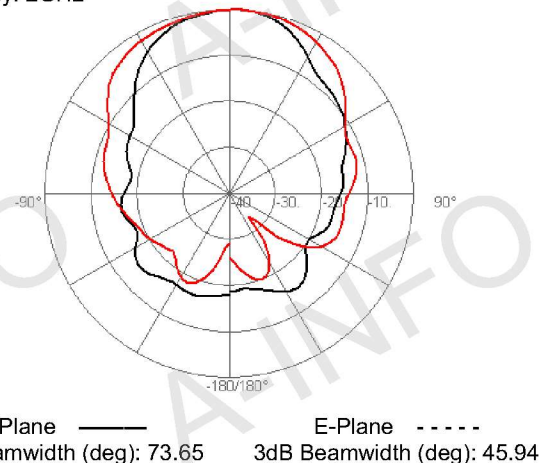
Frequency: 0.8GHz



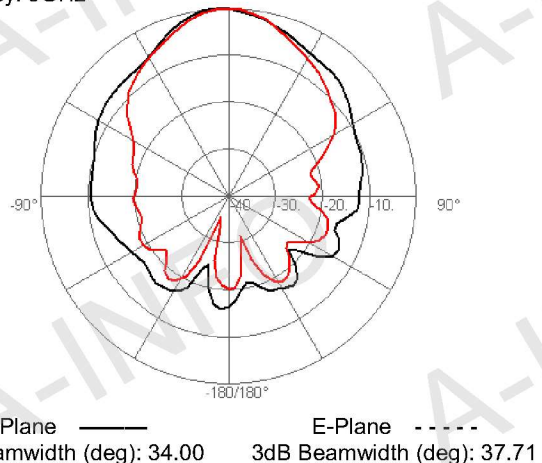
Frequency: 1GHz



Frequency: 2GHz



Frequency: 3GHz

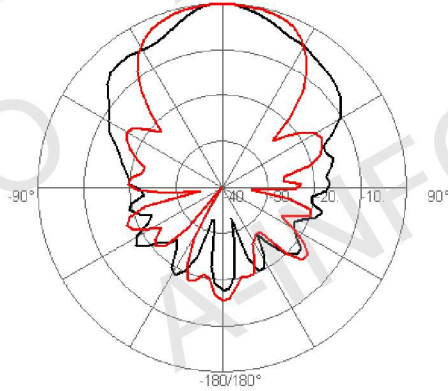


Broadband Horn Antenna 0.8~18GHz(continued)

P/N: LB-8180

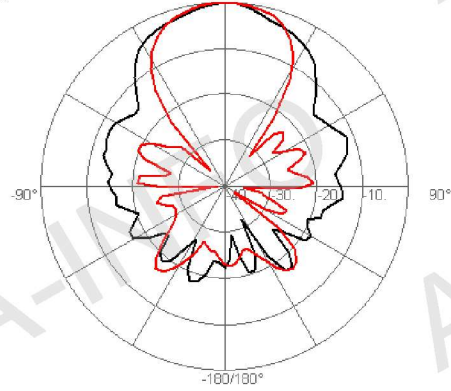
Pattern

Frequency: 4GHz



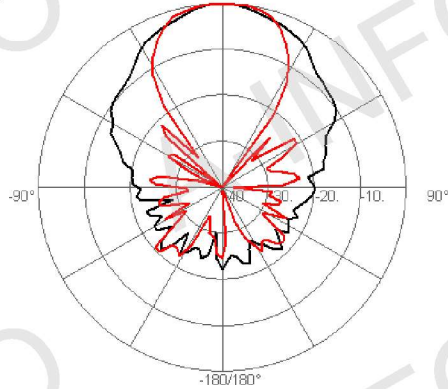
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 52.66 3dB Beamwidth (deg): 32.98

Frequency: 5GHz



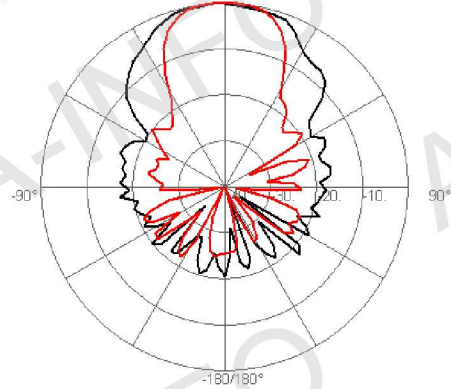
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 41.04 3dB Beamwidth (deg): 42.57

Frequency: 6GHz



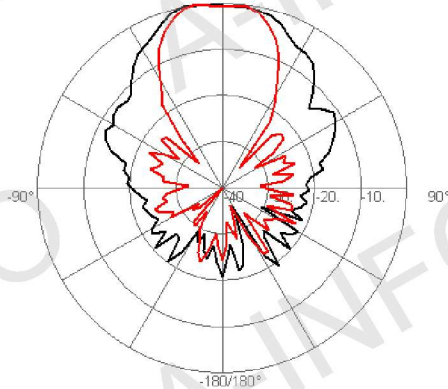
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 39.53 3dB Beamwidth (deg): 44.56

Frequency: 7GHz



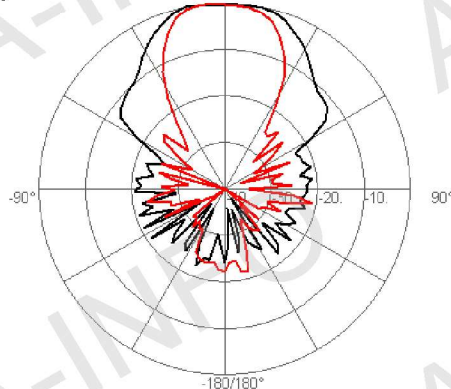
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 36.30 3dB Beamwidth (deg): 49.21

Frequency: 8GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 32.88 3dB Beamwidth (deg): 42.74

Frequency: 9GHz

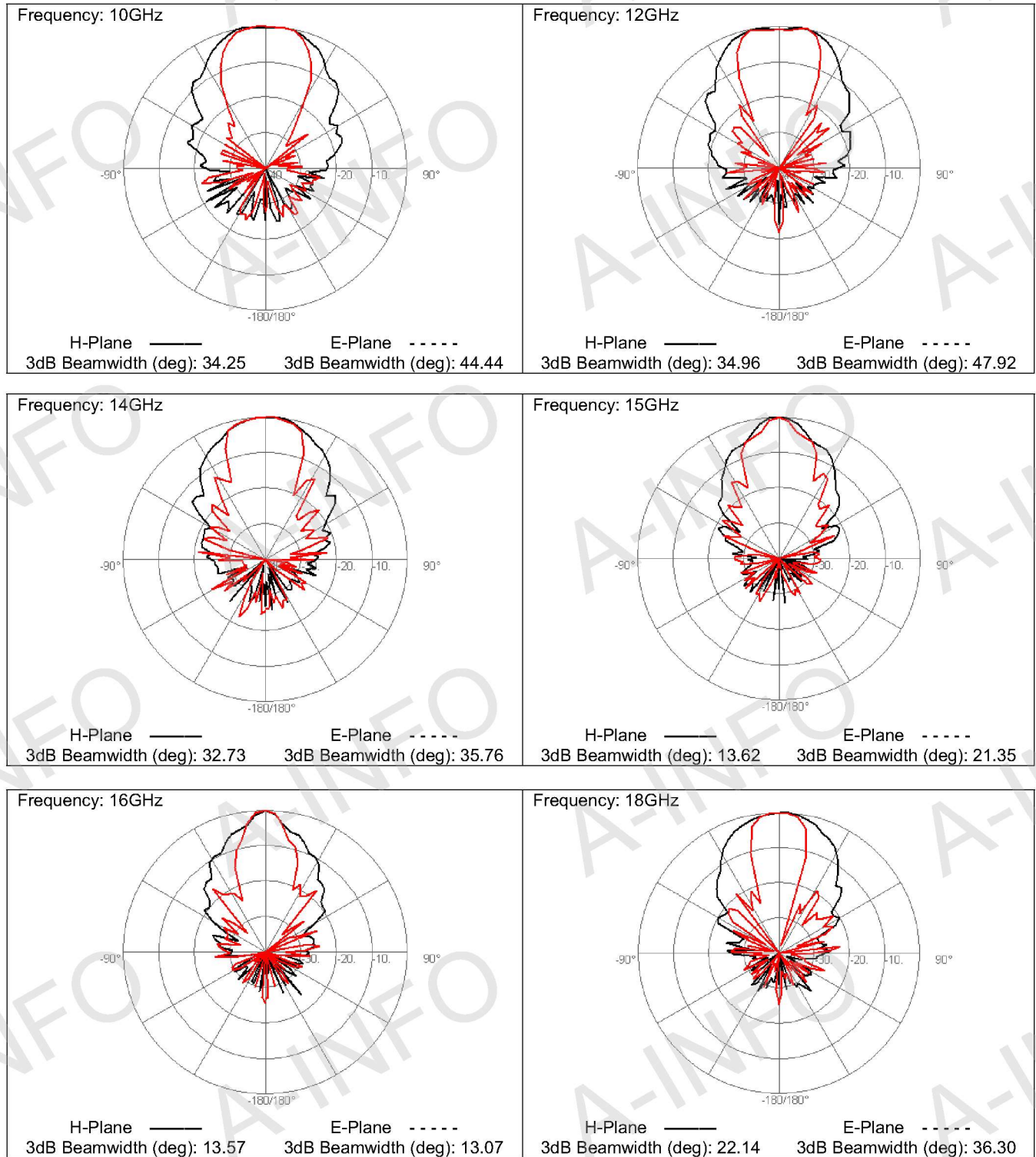


H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 34.08 3dB Beamwidth (deg): 46.42

Broadband Horn Antenna 0.8~18GHz(continued)

P/N: LB-8180

Pattern



Broadband Horn Antenna 1.0~2.5GHz

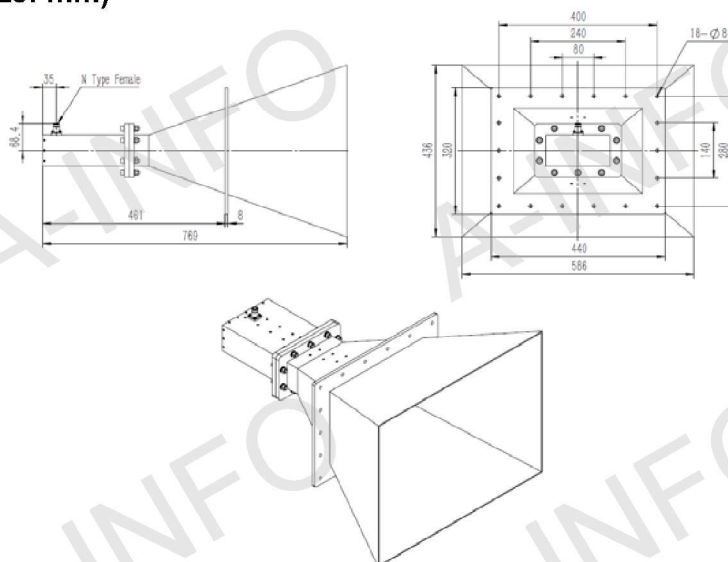
P/N: LB-1025



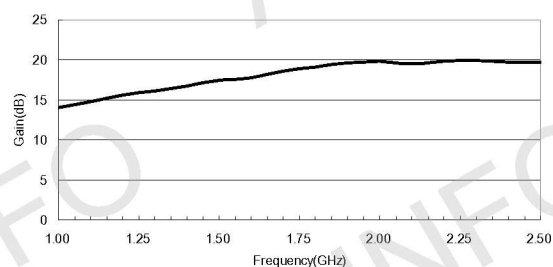
Technical Specification

Frequency Range(GHz)	1.0-2.5
Gain(dB)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 34 - 14 H Plane: 35 - 16
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ./ 2.0:1 Max.
Connector	N-Female or SMA-Female or 7/16 Female
Power Handling(W) CW	N-Female: 500 Max SMA-Female: 50 Max. 7/16 Female: 500 Max.
Material	Al
Size(mm)	586 x 436 x 769
Net Weight(Kg)	10.5 Around

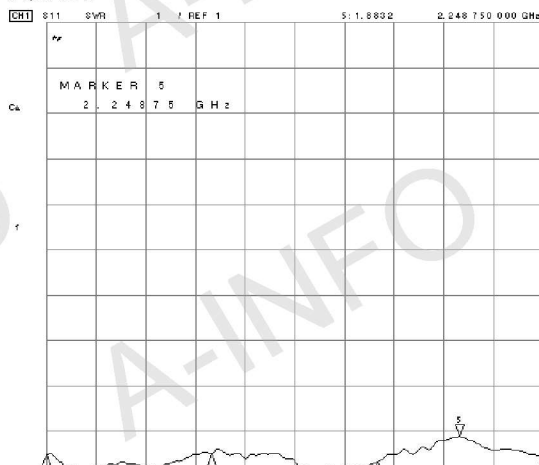
Outline Drawing(Size: mm)



Gain



VSWR

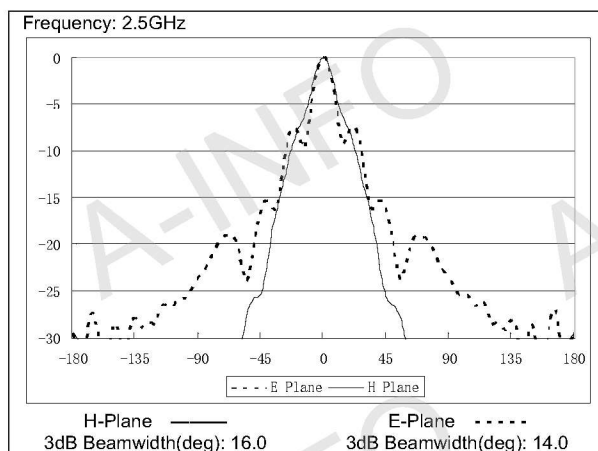
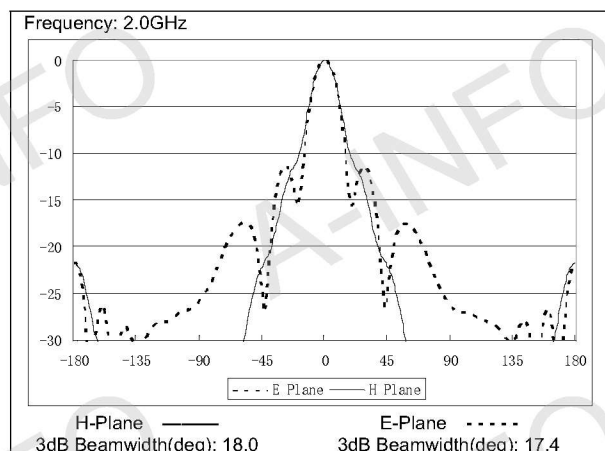
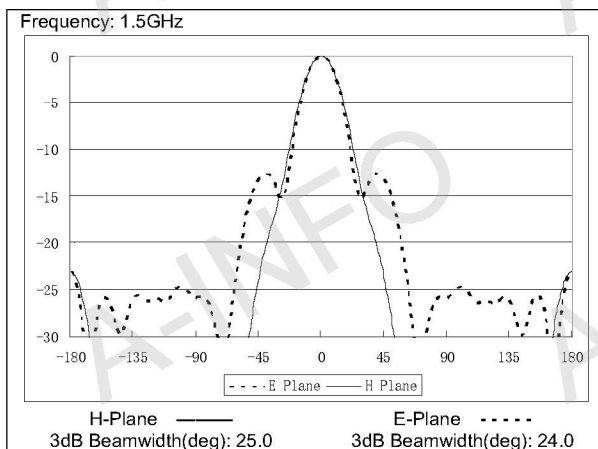
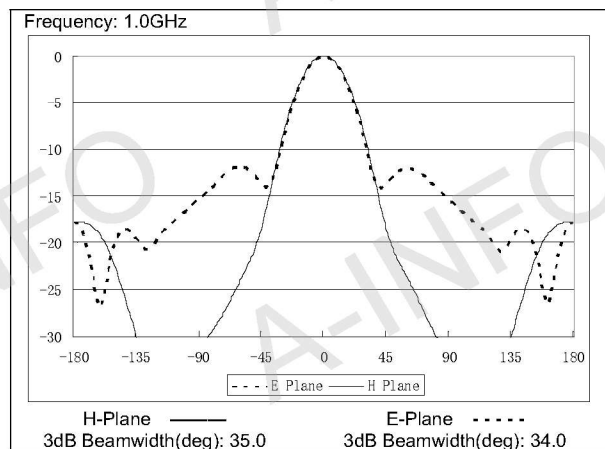


CH1 Marker
M1: 1.4645
1.00000 GHz
2: 1.5125
1.50000 GHz
3: 1.3282
2.00000 GHz
4: 1.4654
2.50000 GHz

Broadband Horn Antenna 1.0~2.5GHz(continued)

P/N: LB-1025

Pattern



Broadband Horn Antenna 1.0~18.0GHz

P/N: LB-10180

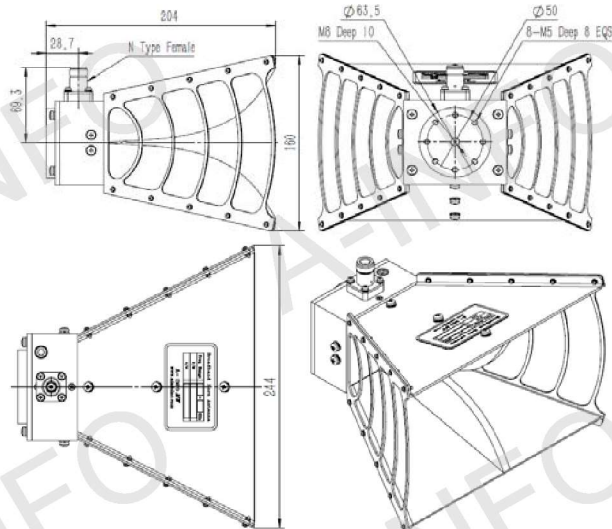


Technical Specification

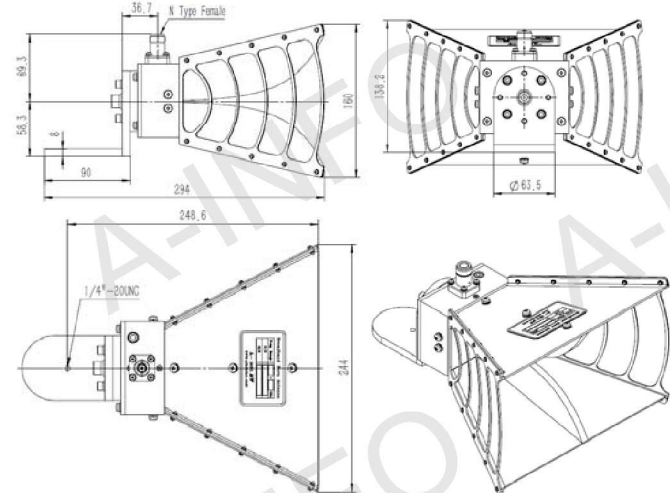
Frequency Range(GHz)	1-18
Gain(dBi)	11 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 97 - 13 H Plane: 62 - 11
Cross Pol. Isolation(dB)	25 Typ.
VSWR	1.5:1 Typ.
Connector	N-Female/SMA-Female
Power Handling(W) CW	N-Female: 300 Max SMA-Female: 50 Max
Material	Al
Size(mm)	244x160x204
Net Weight(Kg)	1.4 Around

Outline Drawing(Size: mm) For SMA-Female output outline drawing, please contact A-INFO.

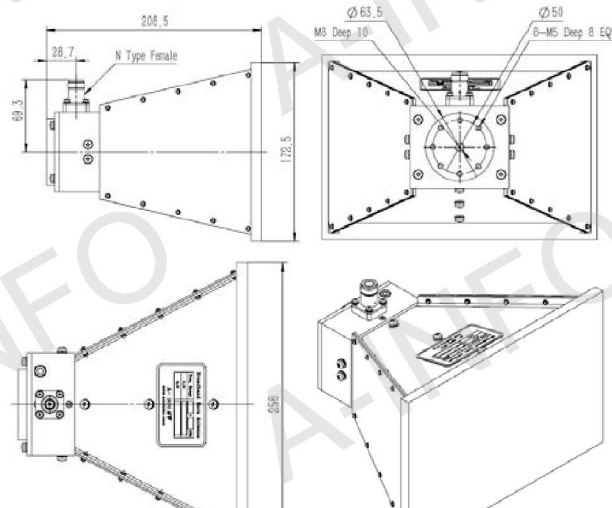
N-Female Output



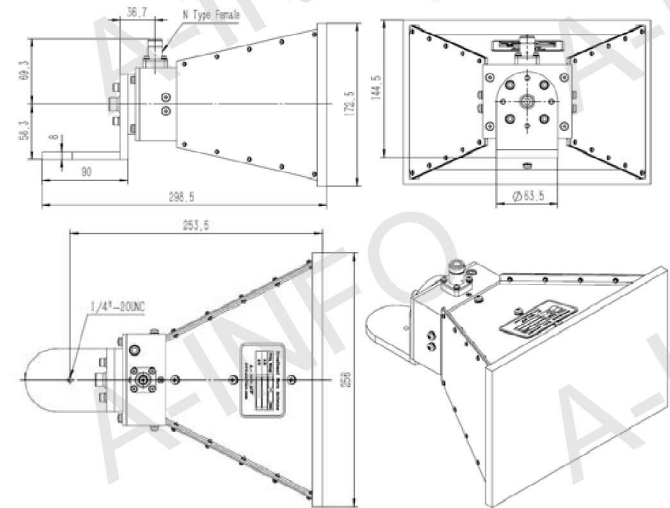
N-Female Output with L type mounting bracket



N-Female Output with Radome



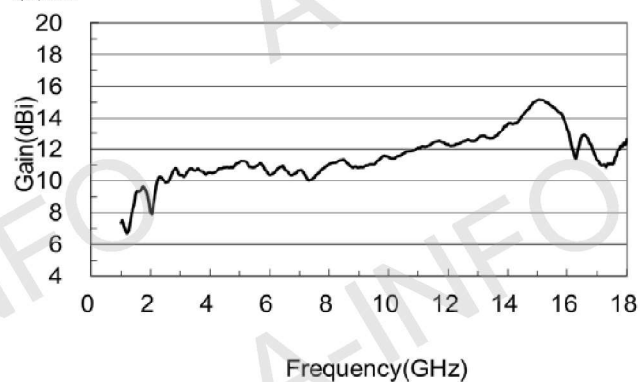
N-Female Output w/ L type mounting bracket & Radome



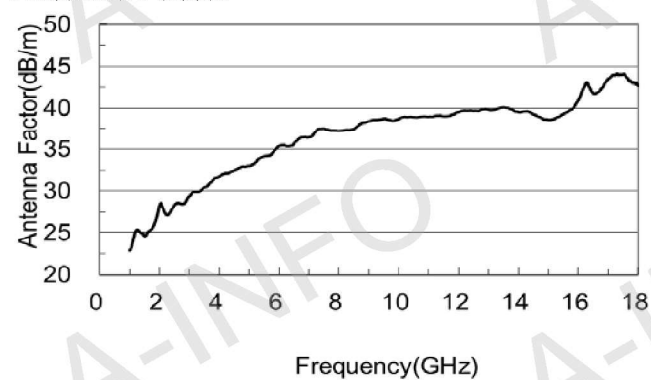
Broadband Horn Antenna 1.0~18.0GHz(continued)

P/N: LB-10180

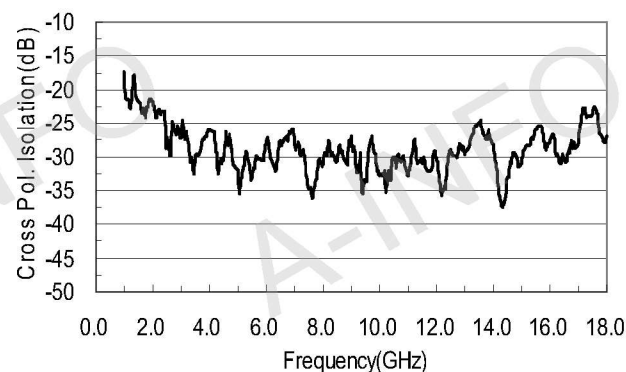
Gain



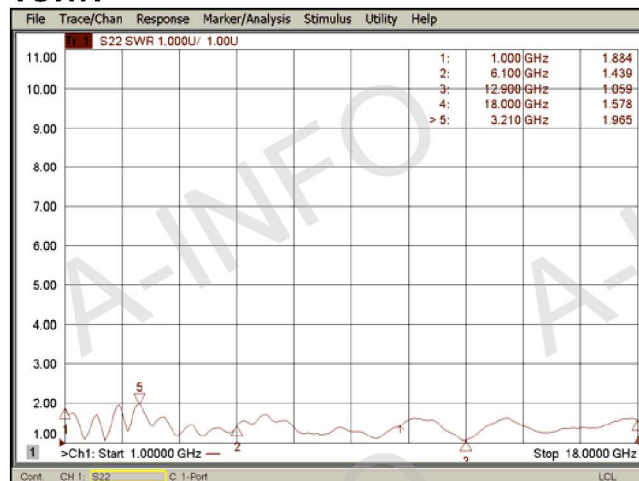
Antenna Factor



Cross Polarization Isolation

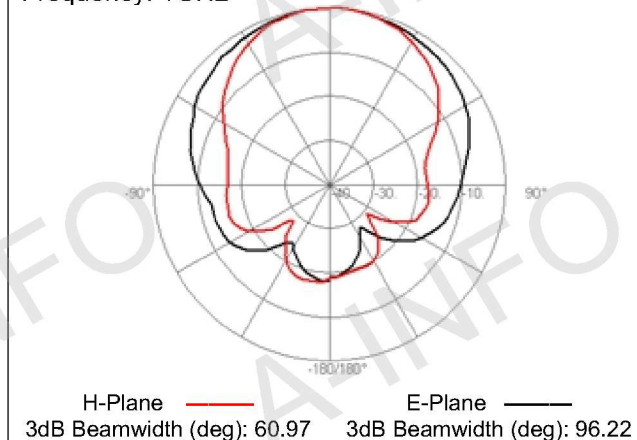


VSWR

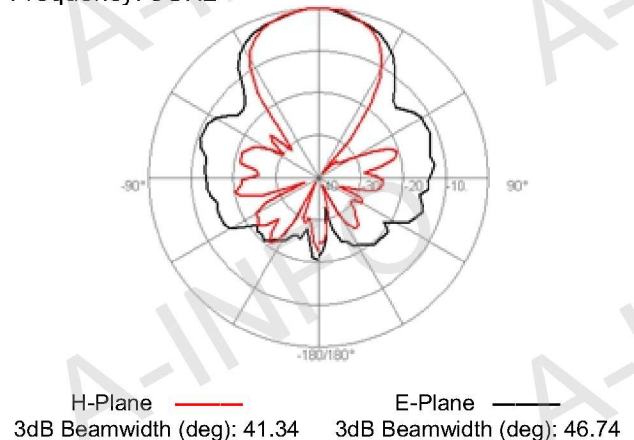


Pattern

Frequency: 1GHz



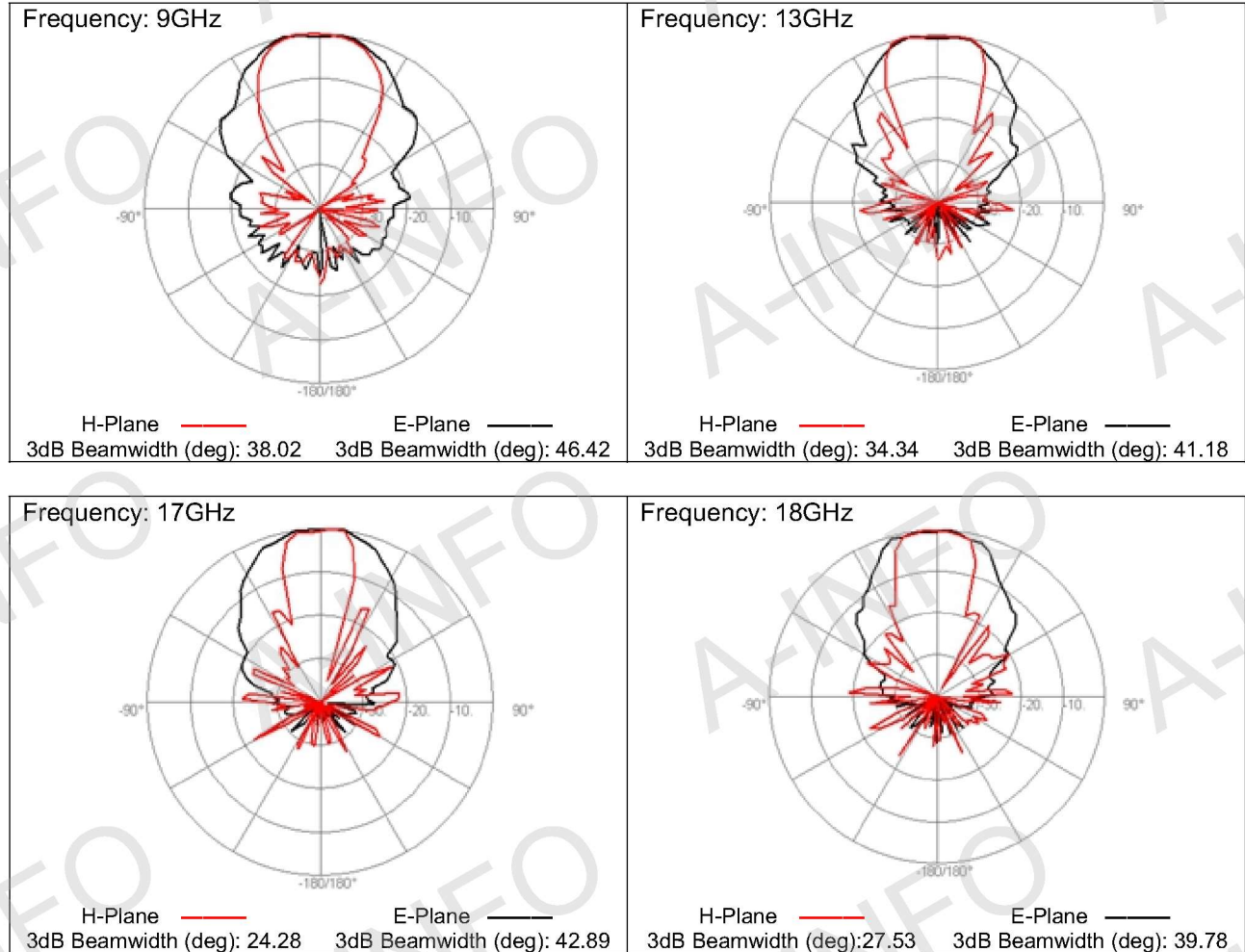
Frequency: 5GHz



Broadband Horn Antenna 1.0~18.0GHz(continued)

P/N: LB-10180

Pattern



Broadband Horn Antenna 2.0~6.0GHz

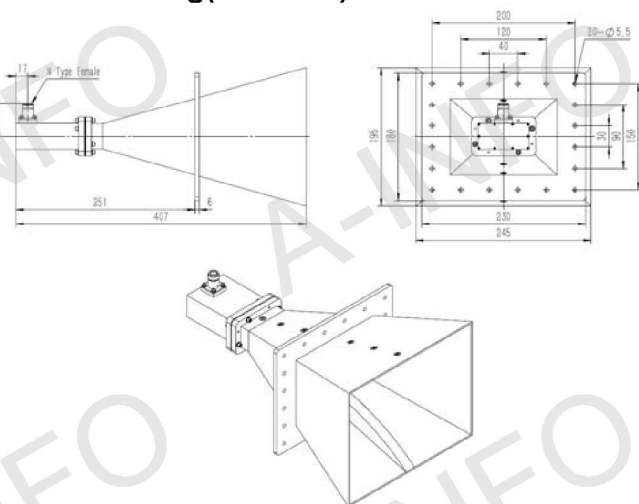
P/N: LB-2060-H



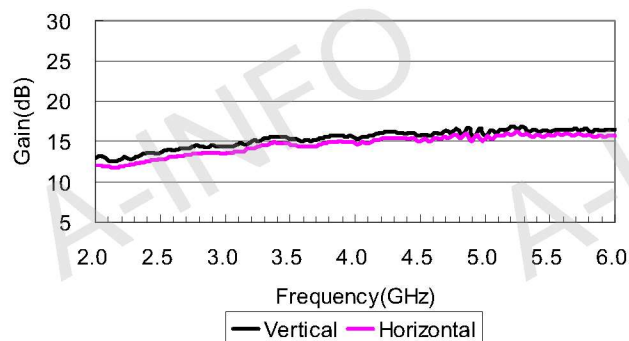
Technical Specification

Frequency Range(GHz)	2.0 - 6.0
Gain(dB)	15 Typ.
Polarization	Linear
3dB Beamwidth (deg.)	H Plane: 40 - 17 E Plane: 37 - 20
Cross Pol. Isolation (dB)	25 Typ., 20 Min.
VSWR	1.3 Typ., 2.0 Max.
Connector	N-Female/SMA-Female
Power Handling(W) CW	N-Female: 500 Max. SMA-Female: 50 Max.
Material	Al
Size(mm)	245x195x407
Net Weight(Kg)	2.6 Around

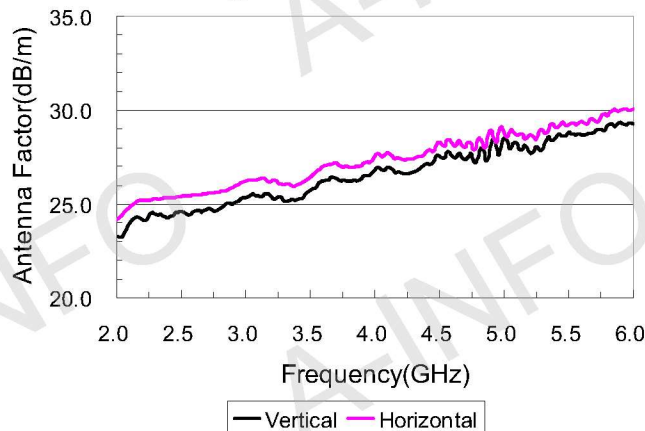
Outline Drawing(Size:mm)



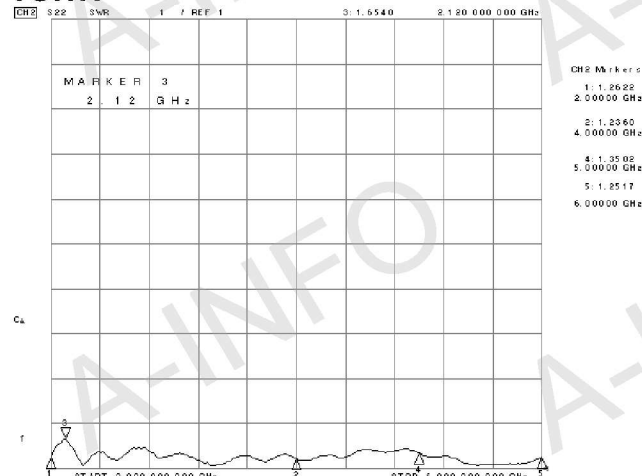
Gain @ 1m distance



Antenna Factor @ 1m distance



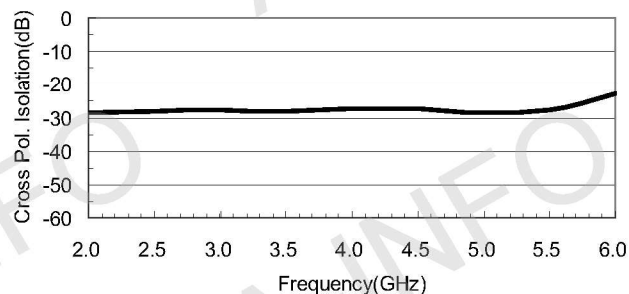
VSWR



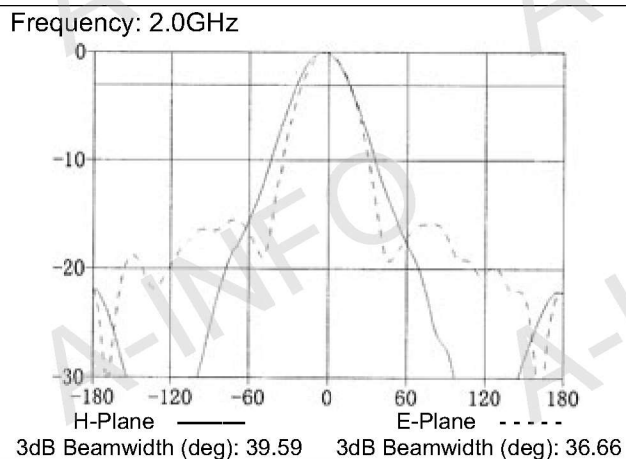
Broadband Horn Antenna 2.0~6.0GHz(continued)

P/N: LB-2060-H

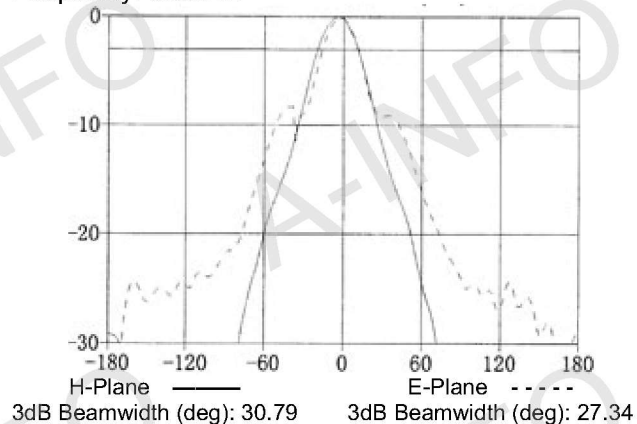
Cross Polarization Isolation



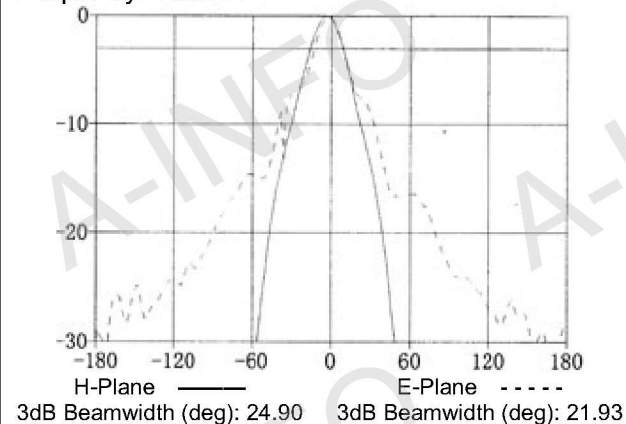
Pattern



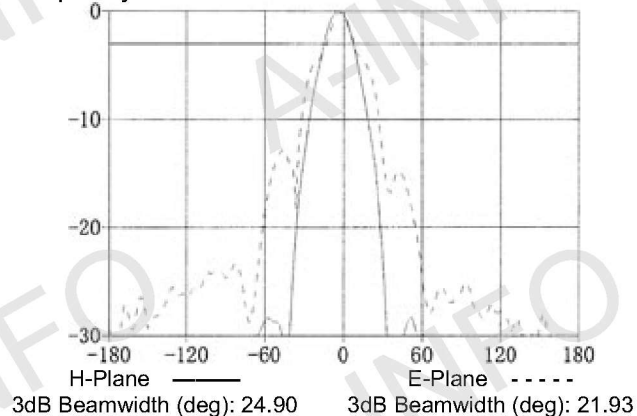
Frequency: 3.0GHz



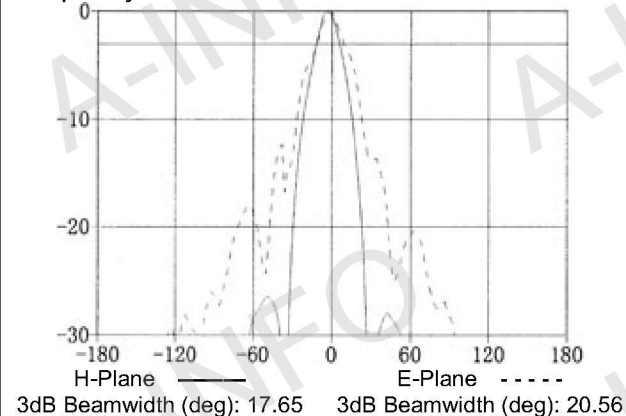
Frequency: 4.0GHz



Frequency: 5.0GHz



Frequency: 6.0GHz



Broadband Horn Antenna 2.0~18.0GHz

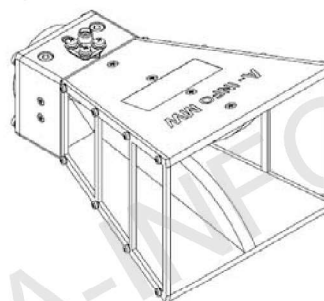
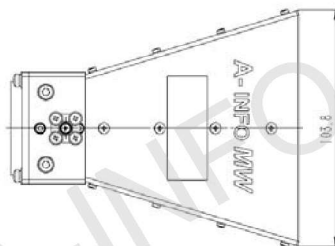
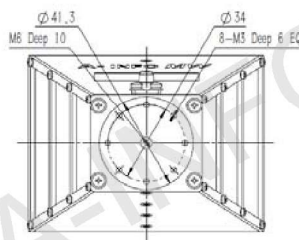
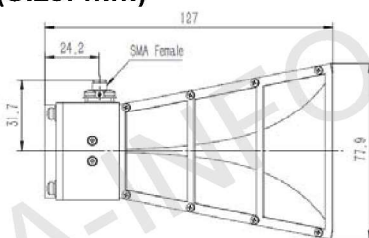
P/N: LB-20180



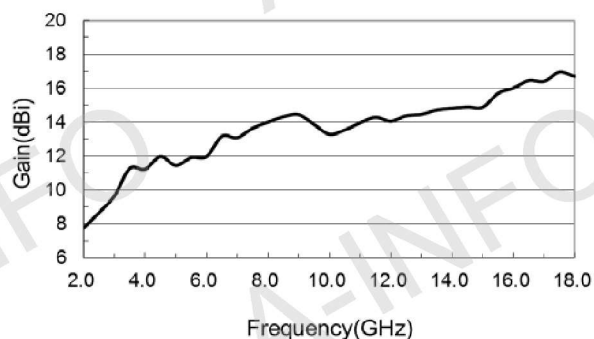
Technical Specification

Frequency Range(GHz)	2 - 18
Gain(dB)	12 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 85 - 19 H Plane: 77 - 18
Cross Pol. Isolation (dB)	25 Typ.
VSWR	1.5:1 Typ./ 2.5:1 Max
Connector	SMA-Female/N-Female
Power Handling(W) CW	SMA-Female: 50 Max N-Female: 150 Max
Material	Al
Size(mm)	103.8 x 77.9 x 127
Net Weight(Kg)	0.4 Around

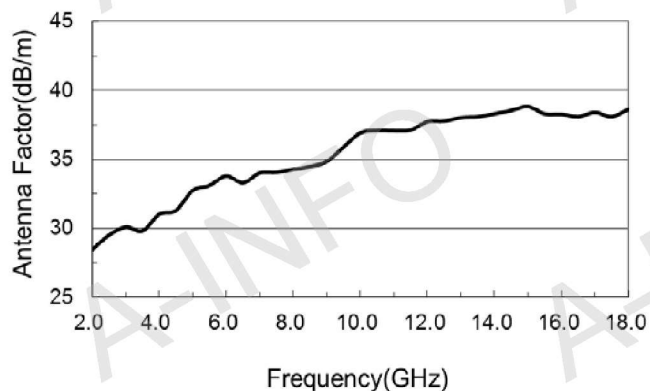
Outline Drawing(Size: mm)



Gain



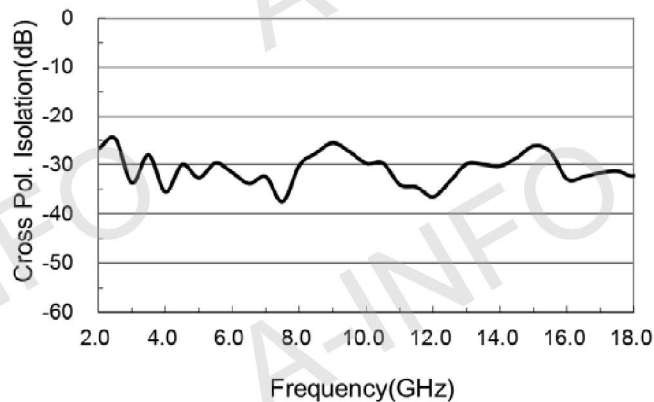
Antenna Factor



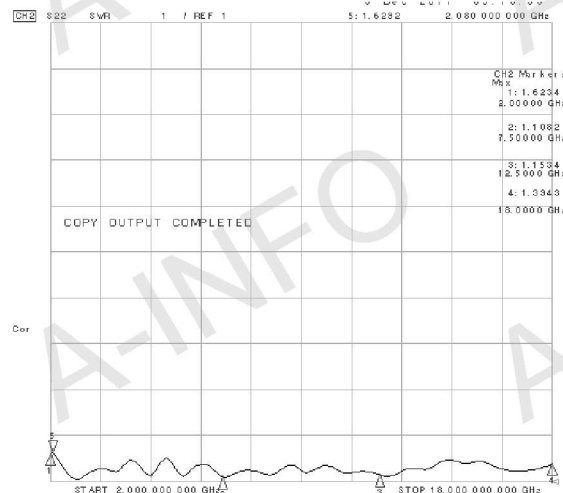
Broadband Horn Antenna 2.0~18.0GHz(continued)

P/N: LB-20180

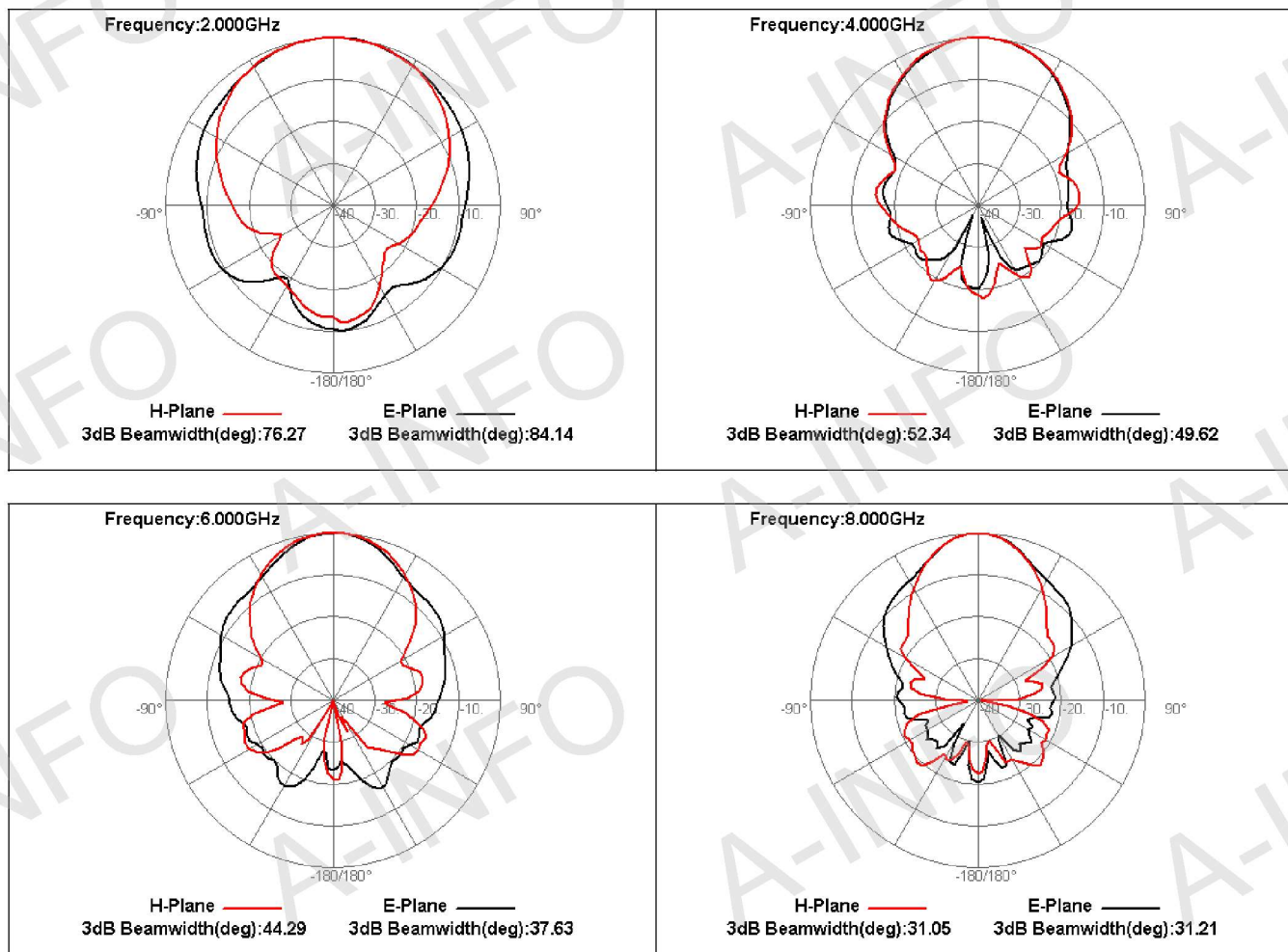
Cross Pol. Isolation



VSWR



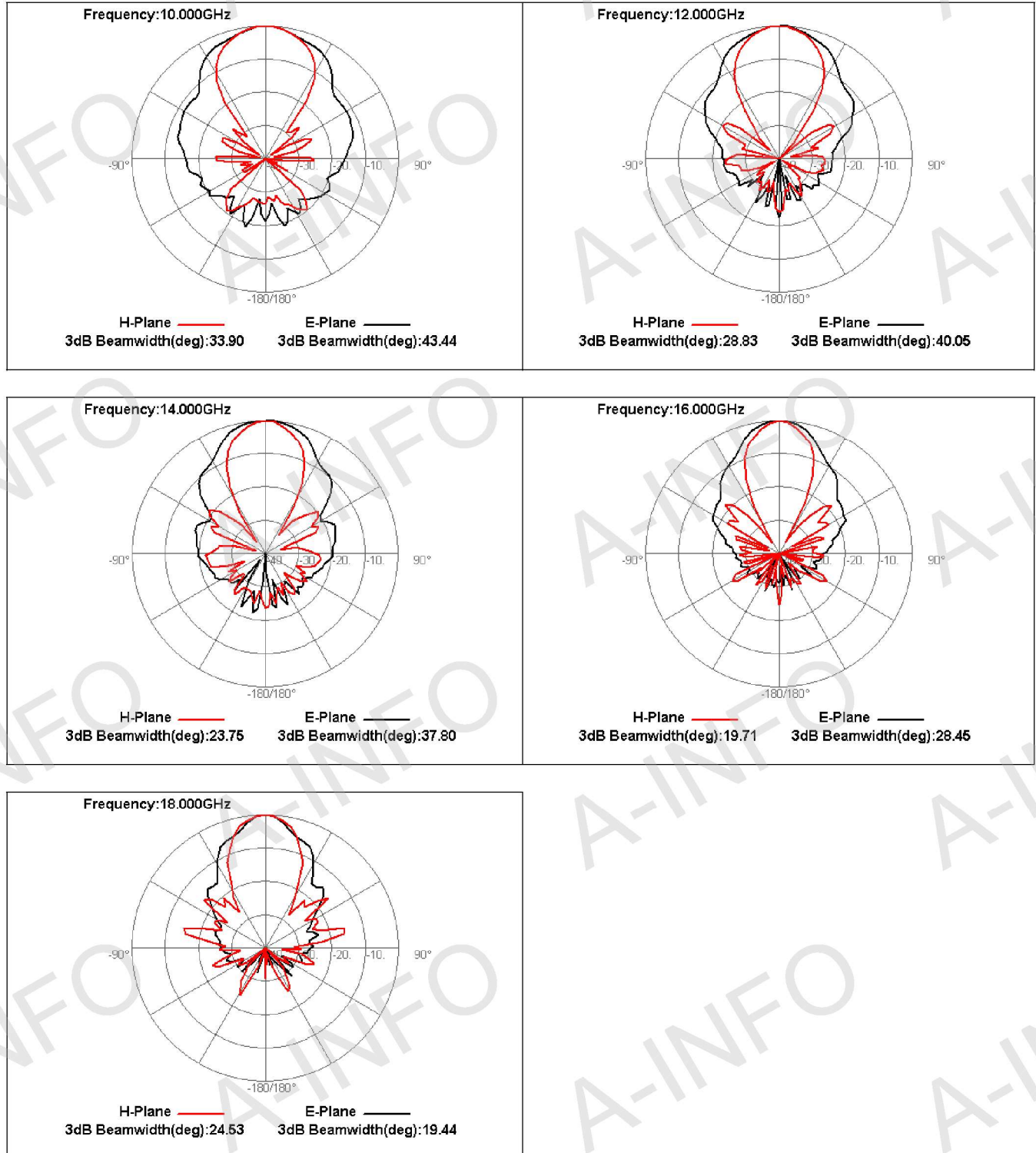
Pattern



Broadband Horn Antenna 2.0~18.0GHz(continued)

P/N: LB-20180

Pattern



Broadband Horn Antenna 2.0~18.0GHz, High Gain

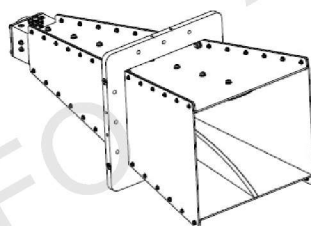
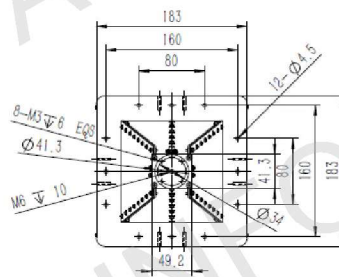
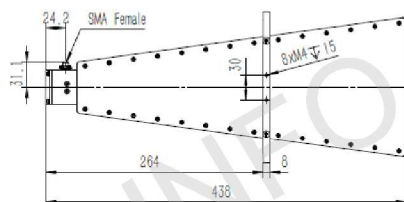
P/N: LB-20180H



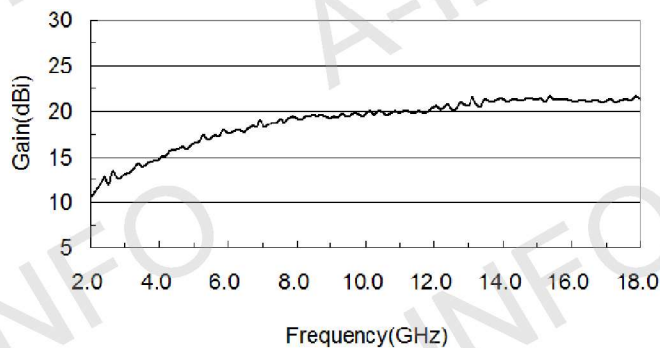
Outline Drawing(Size: mm)

Technical Specification

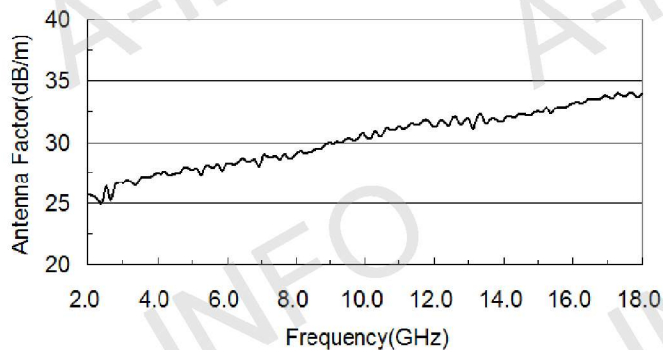
Frequency Range(GHz)	2 - 18
Gain(dB)	10-22 Typ.
Polarization	Linear
VSWR	1.5:1 Typ. 2.5:1 Max
Cross Pol. Isolation(dB)	-25 Typ.
Connector	SMA-Female/N-Female
Power Handling(W) CW	SMA-Female: 50 Max N-Female: 150 Max
Size(mm)	438x183x183
Net Weight(Kg)	2.12 Around



Gain



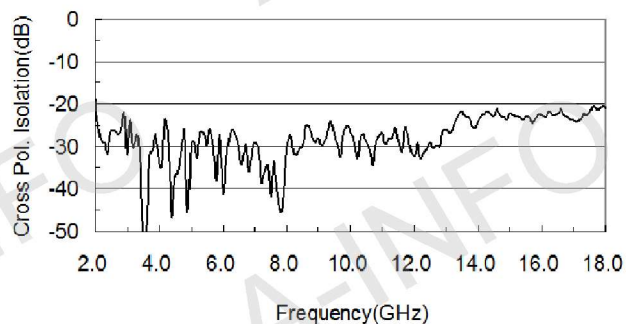
Antenna Factor



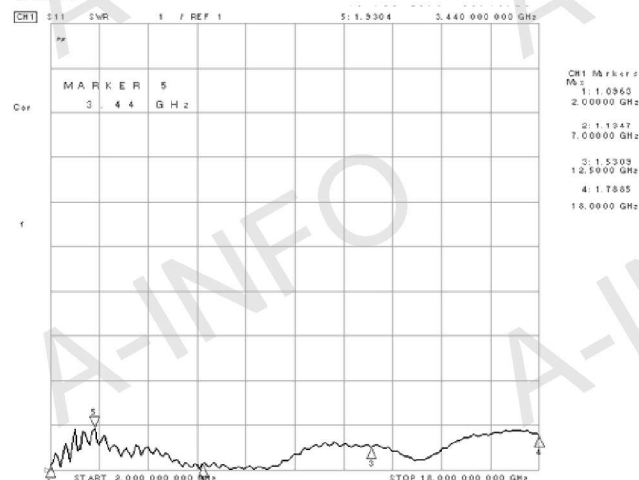
Broadband Horn Antenna 2.0~18.0GHz, High Gain (continued)

P/N: LB-20180H

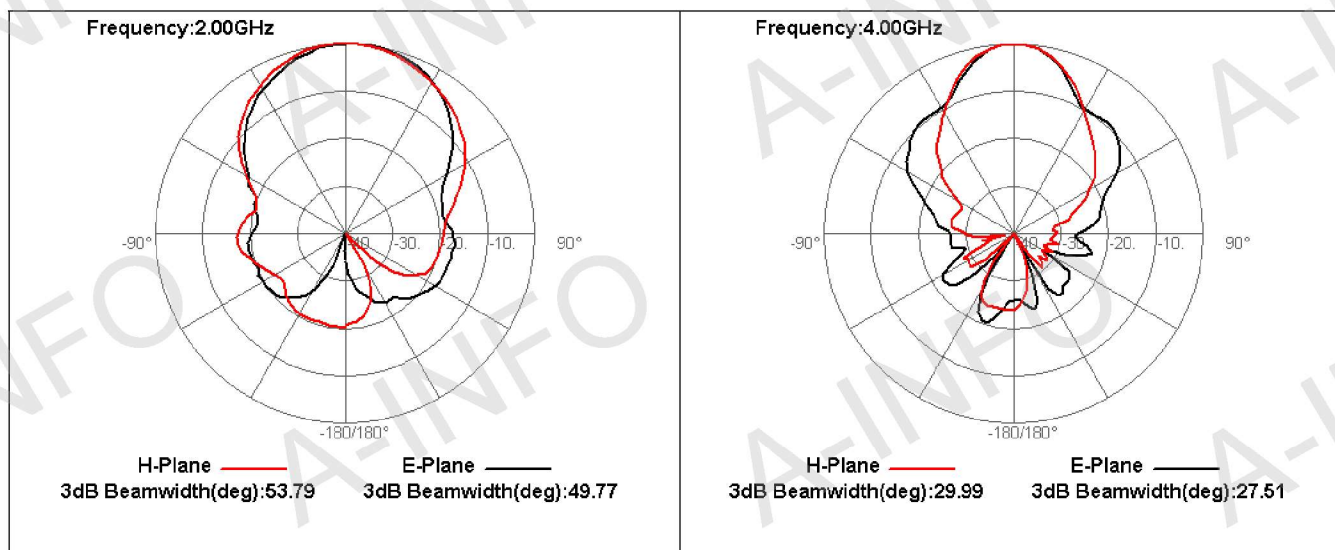
Cross Pol. Isolation



VSWR



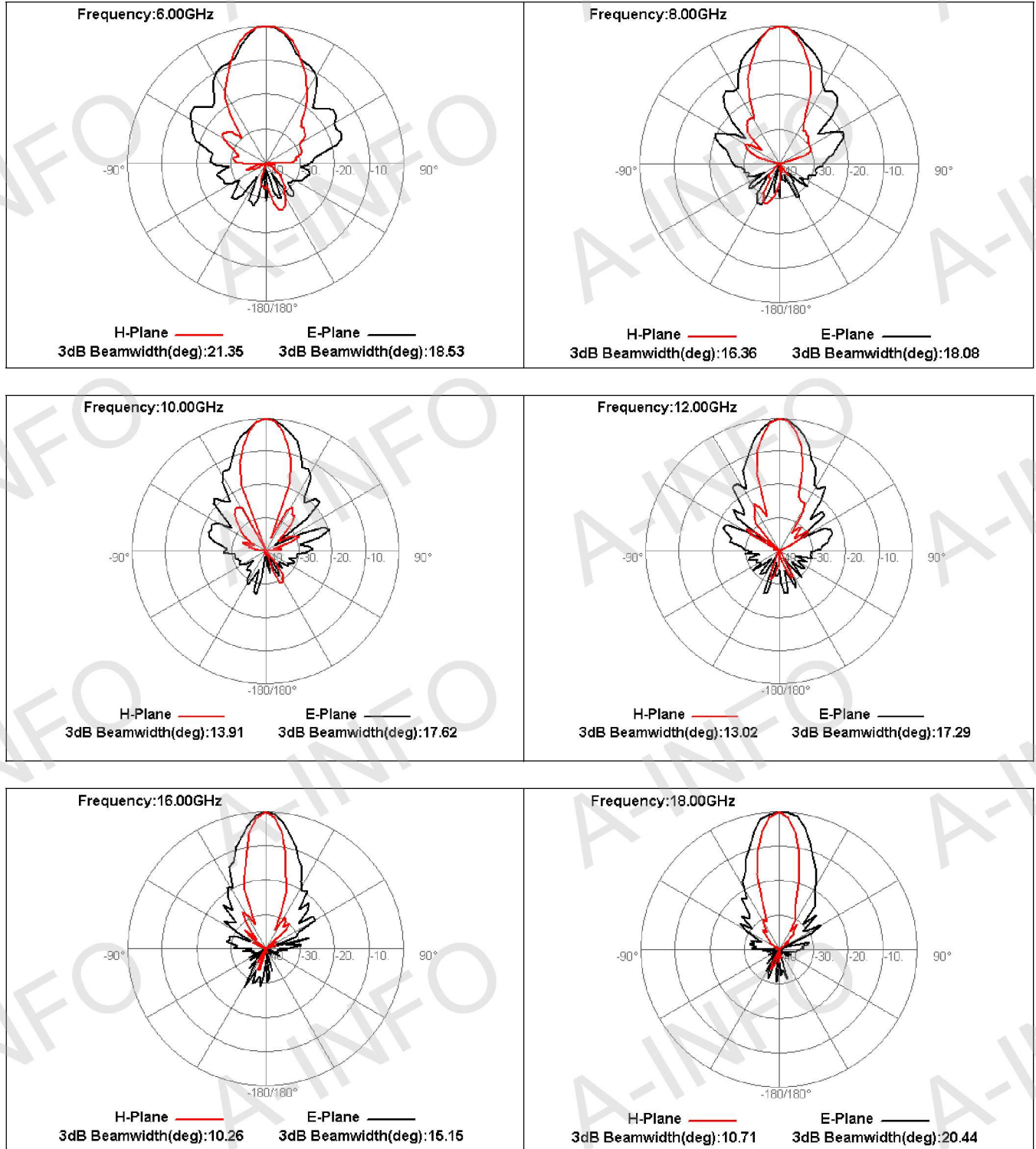
Pattern



Broadband Horn Antenna 2.0~18.0GHz, High Gain (continued)

P/N: LB-20180H

Pattern



Broadband Horn Antenna 2.0~24.5GHz

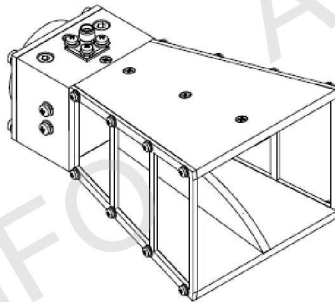
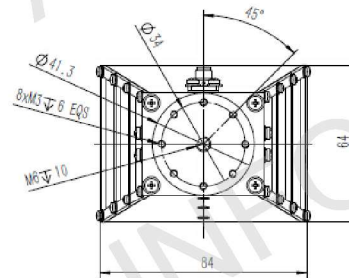
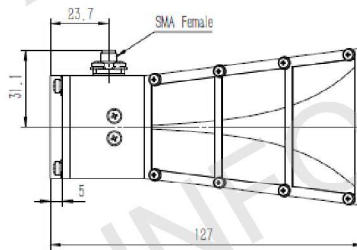
P/N: LB-20245



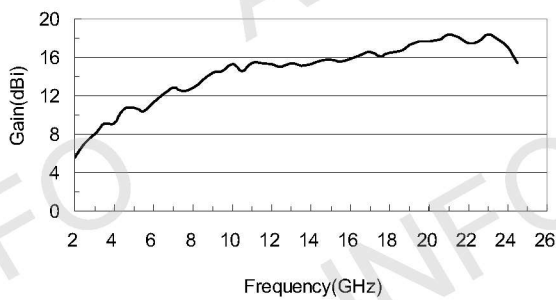
Technical Specification

Frequency Range(GHz)	2.0-24.5
Gain(dB)	13 Typ.
Polarization	Linear
VSWR	1.5:1 Typ. 3.0:1 Max
Connector	SMA-Female
Power Handling(W) CW	50 Max
Size(mm)	84x64x127
Net Weight(Kg)	0.35 Around

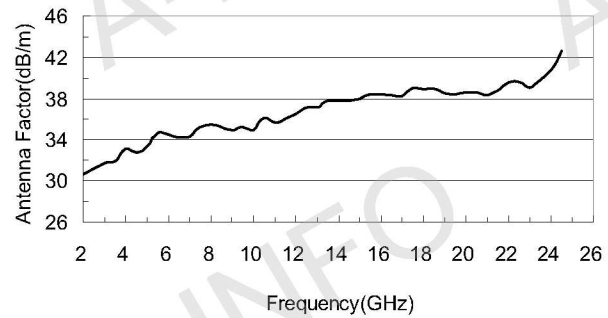
Outline Drawing(Size: mm)



Gain



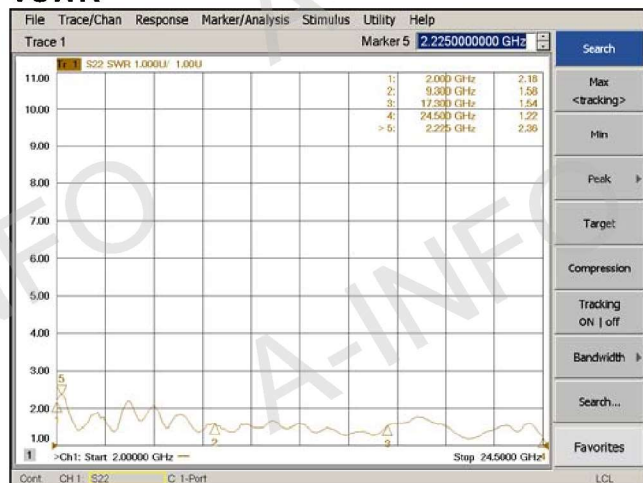
Antenna Factor



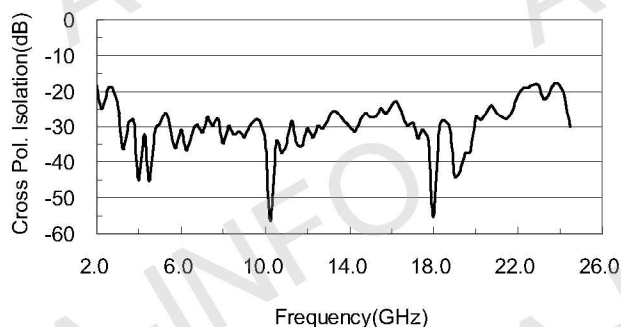
Broadband Horn Antenna 2.0~24.5GHz(continued)

P/N: LB-20245

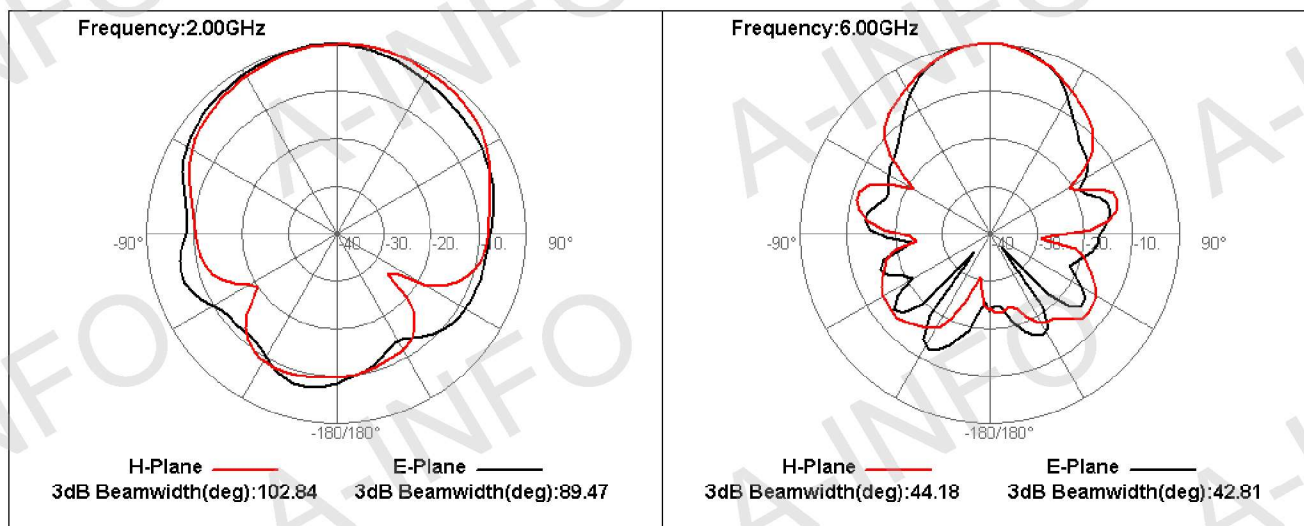
VSWR



Cross Pol. Isolation



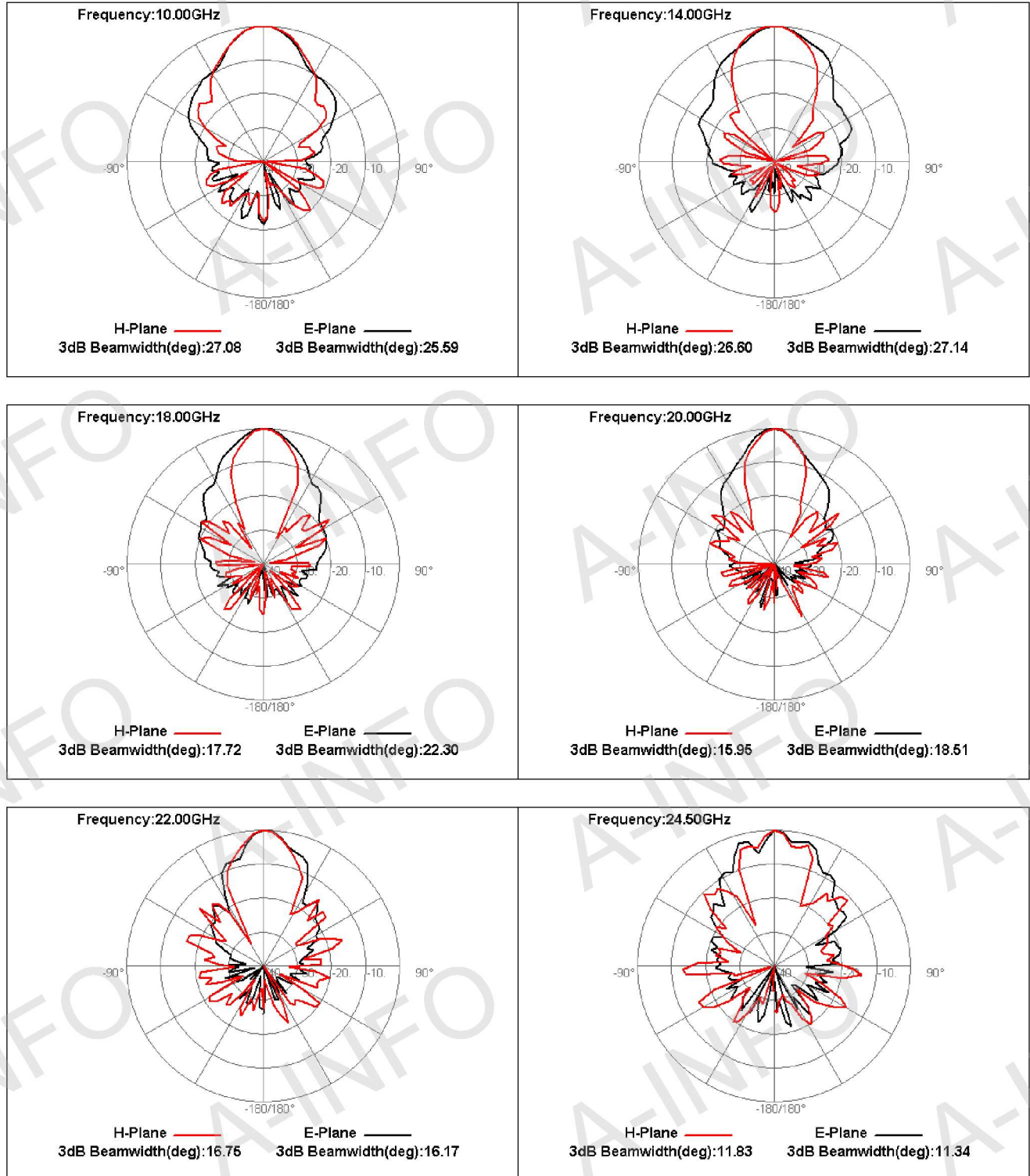
Pattern



Broadband Horn Antenna 2.0~24.5GHz(continued)

P/N: LB-20245

Pattern



Broadband Horn Antenna 2.0~26.5GHz

P/N: LB-20265

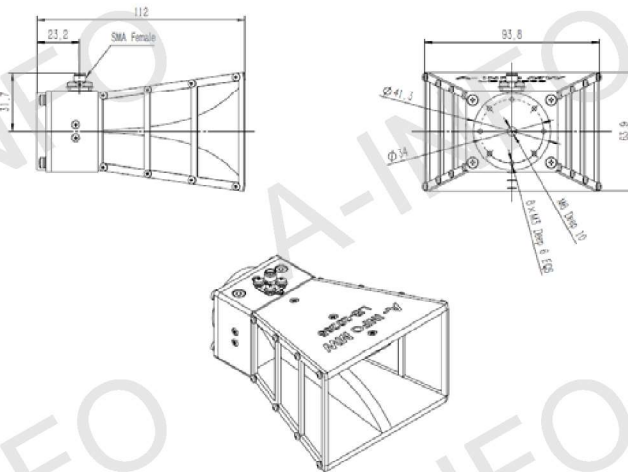


Technical Specification

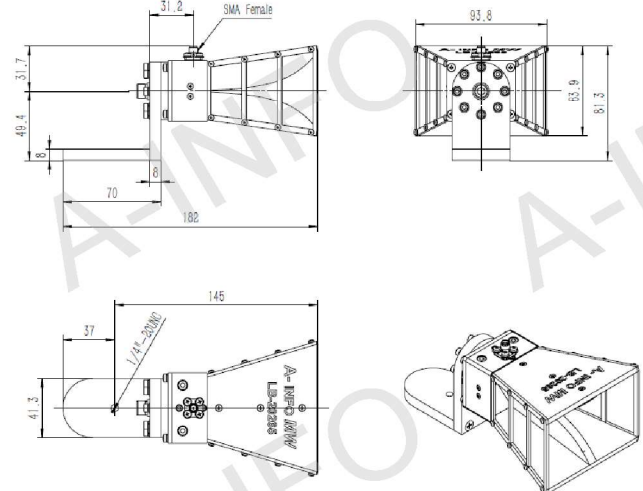
Frequency Range(GHz)	2.0~26.5
Gain(dBic)	13 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 111 - 24 H Plane: 86 - 18
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.5:1 Typ. 2.5:1 Max
Connector	SMA-Female
Power Handling(W) CW	50 Max.
Material	Al
Size(mm)	93.8 x 63.9 x 112
Net Weight(Kg)	0.34 Around

Outline Drawing (Size: mm)

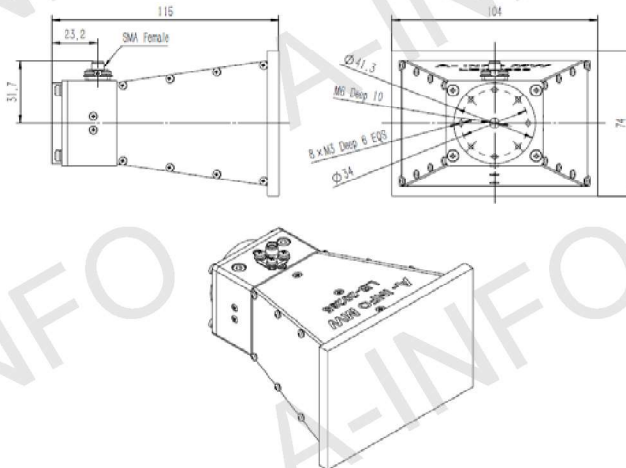
SMA Female Output



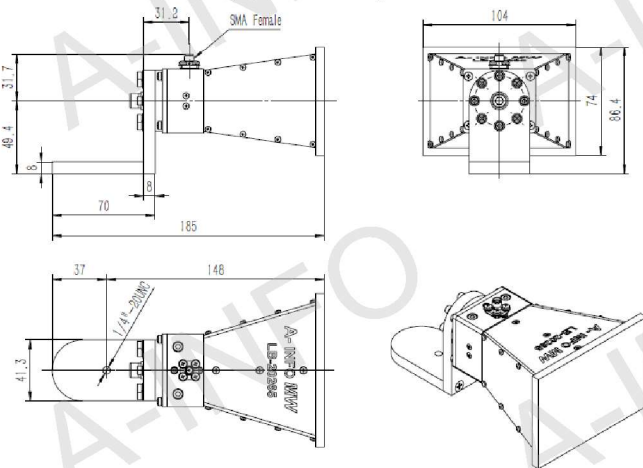
SMA Female Output w/ L type Mounting Bracket



SMA Female Output w/ Radome



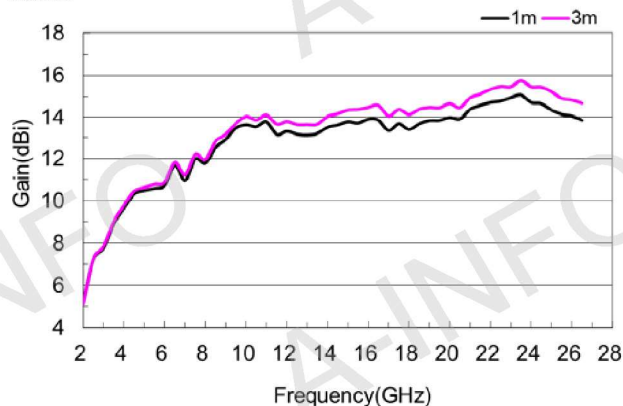
SMA-F Output w/ L type Mounting Bracket & Radome



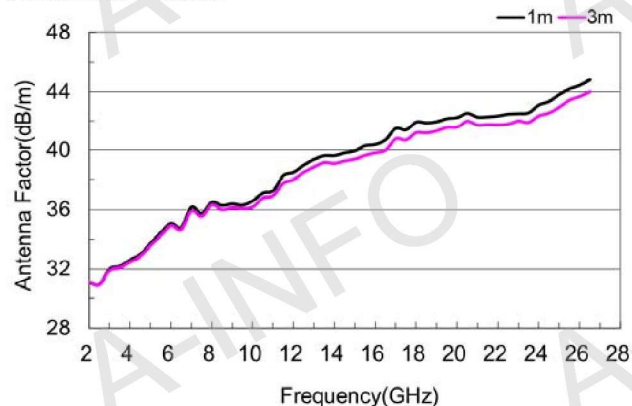
Broadband Horn Antenna 2.0~26.5GHz(continued)

P/N: LB-20265

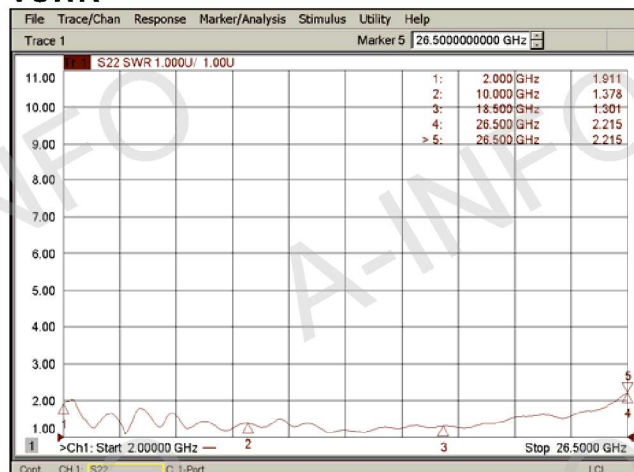
Gain



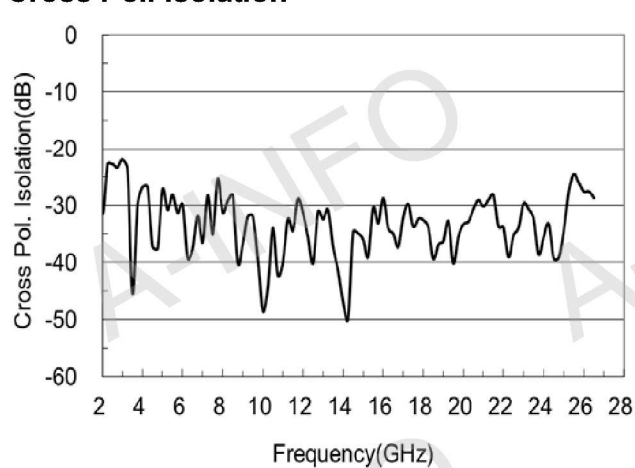
Antenna Factor



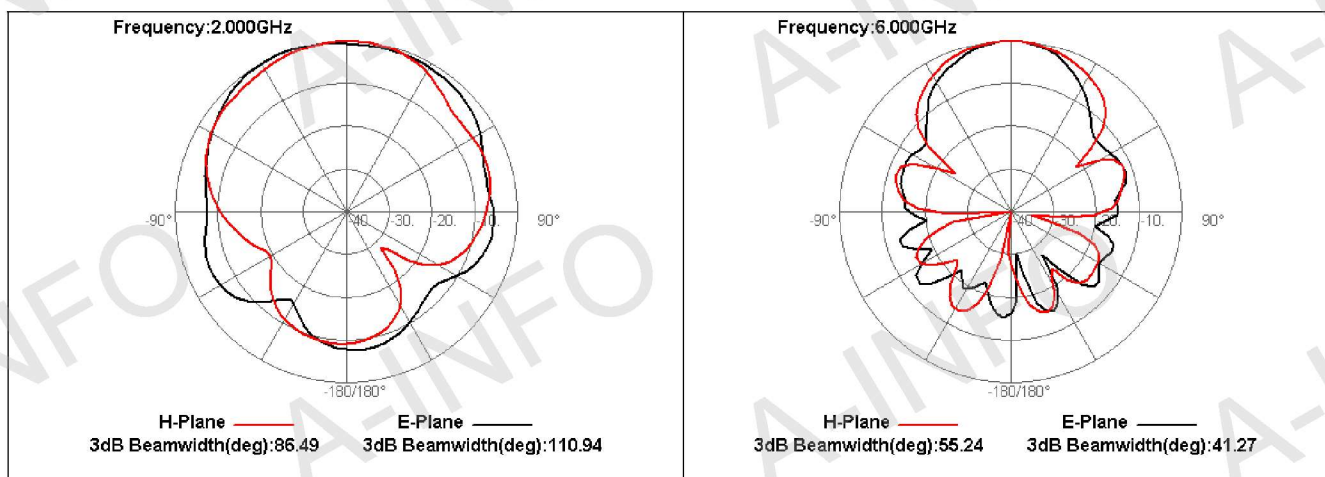
VSWR



Cross Pol. Isolation



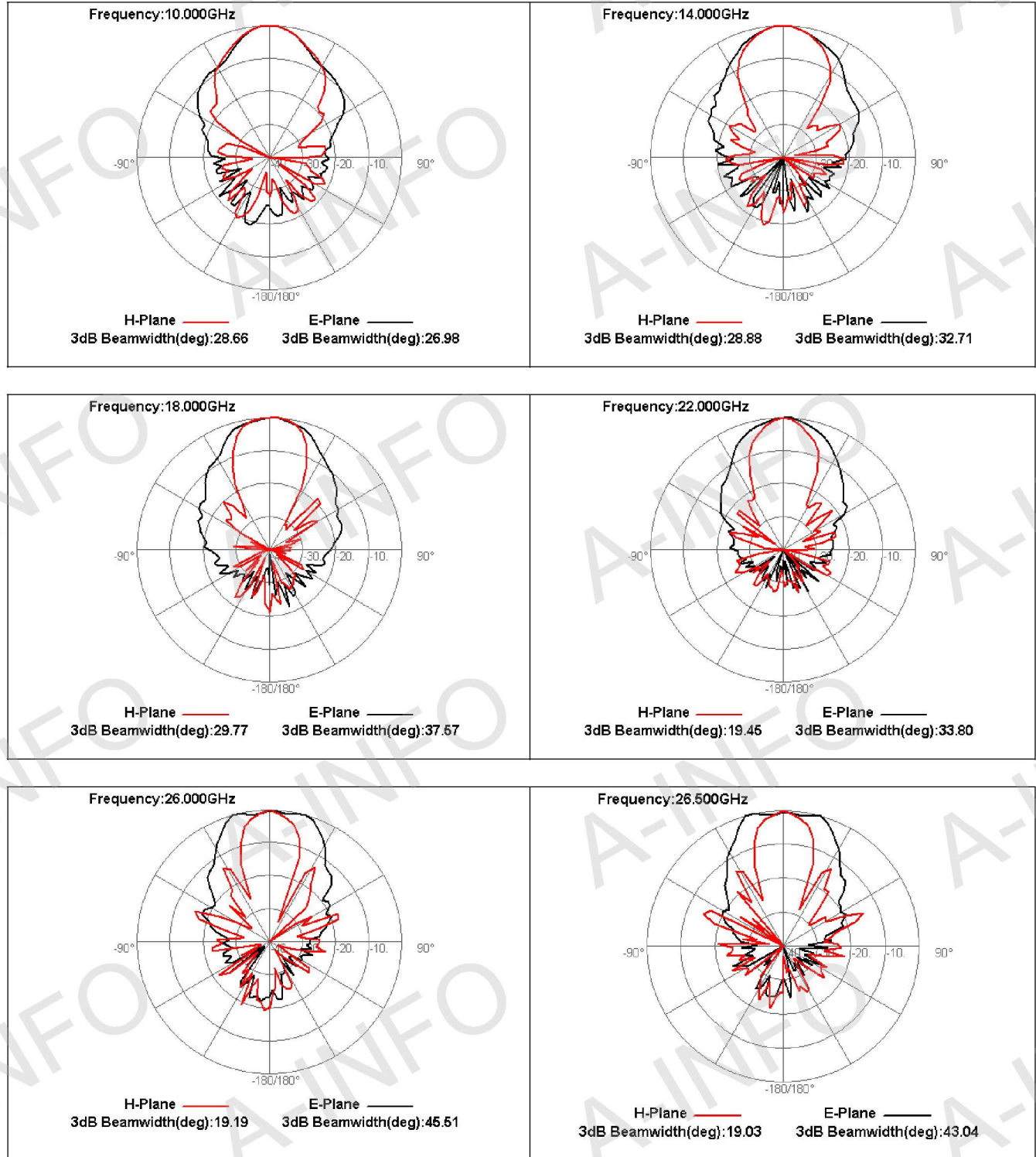
Pattern



Broadband Horn Antenna 2.0~26.5GHz(continued)

P/N: LB-20265

Pattern



Broadband Horn Antenna 4.0~40.0GHz

P/N: LB-40400

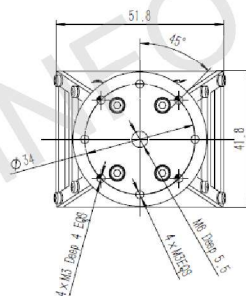
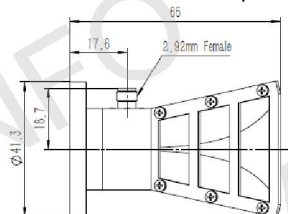


Technical Specification

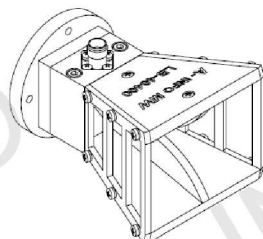
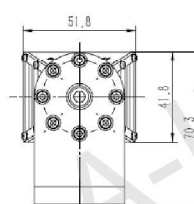
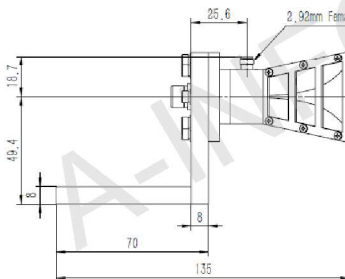
Frequency Range(GHz)	4.0~40.0
Gain(dB)	13 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 88 - 22 H Plane: 87 - 16
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.5:1 Typ. 2.0:1 Max.
Connector	2.92mm-Female or 2.4mm- Female
Power Handling(W) CW	2.92mm-Female: 20 Max. 2.4mm-Female: 10 Max.
Material	Al
Size(mm)	65 x 51.8 x 41.8
Net Weight(Kg)	0.1 Around

Outline Drawing (Size: mm) For 2.4mm-Female output outline drawing, please contact A-INFO.

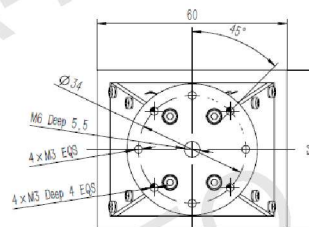
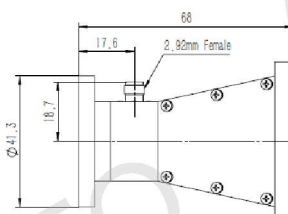
2.92mm Female Output



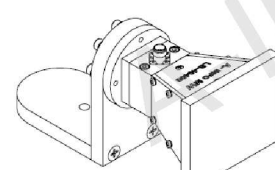
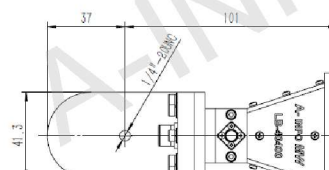
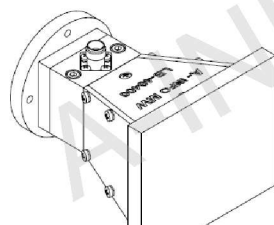
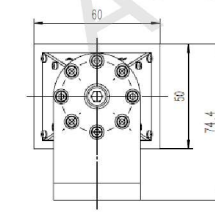
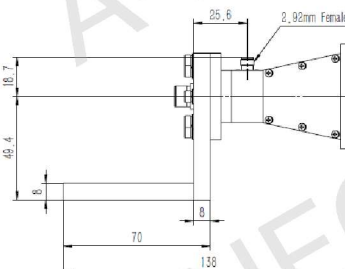
2.92mm Female Output w/ L type Mounting Bracket



2.92mm Female Output w/ Radome



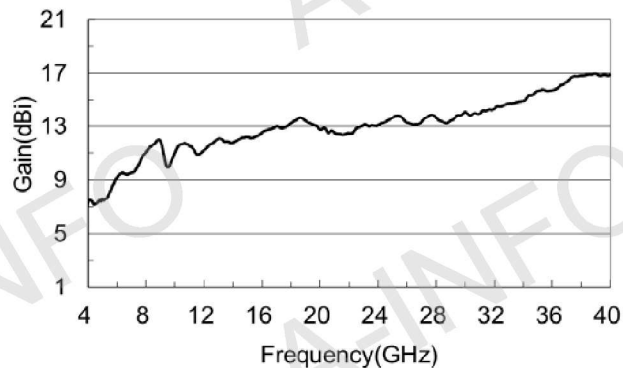
2.92mm-F Output w/ L type Mounting Bracket & Radome



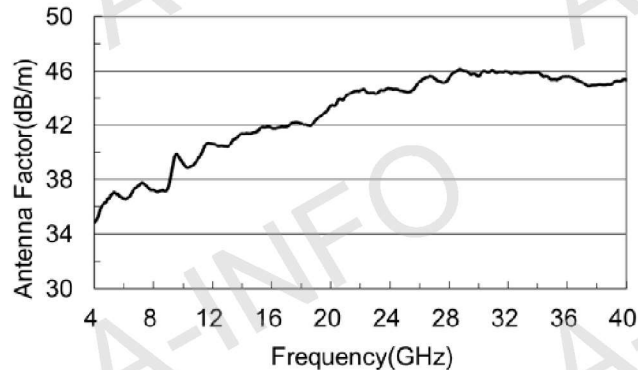
Broadband Horn Antenna 4.0~40.0GHz(continued)

P/N: LB-40400

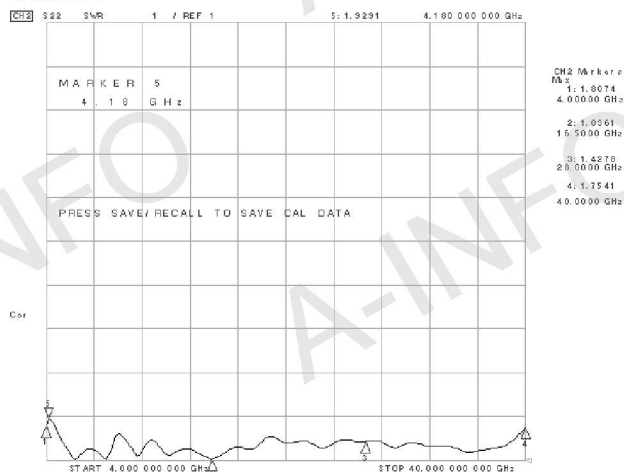
Gain



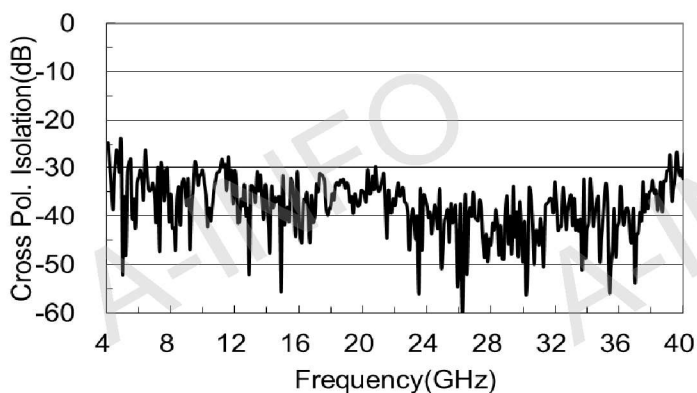
Antenna Factor



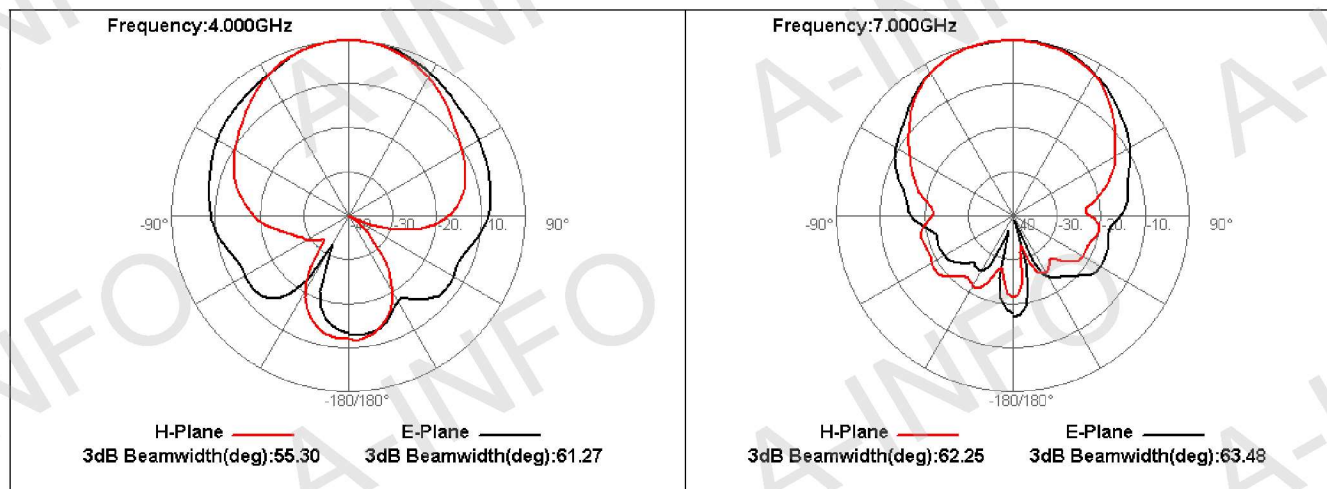
VSWR



Cross Pol. Isolation



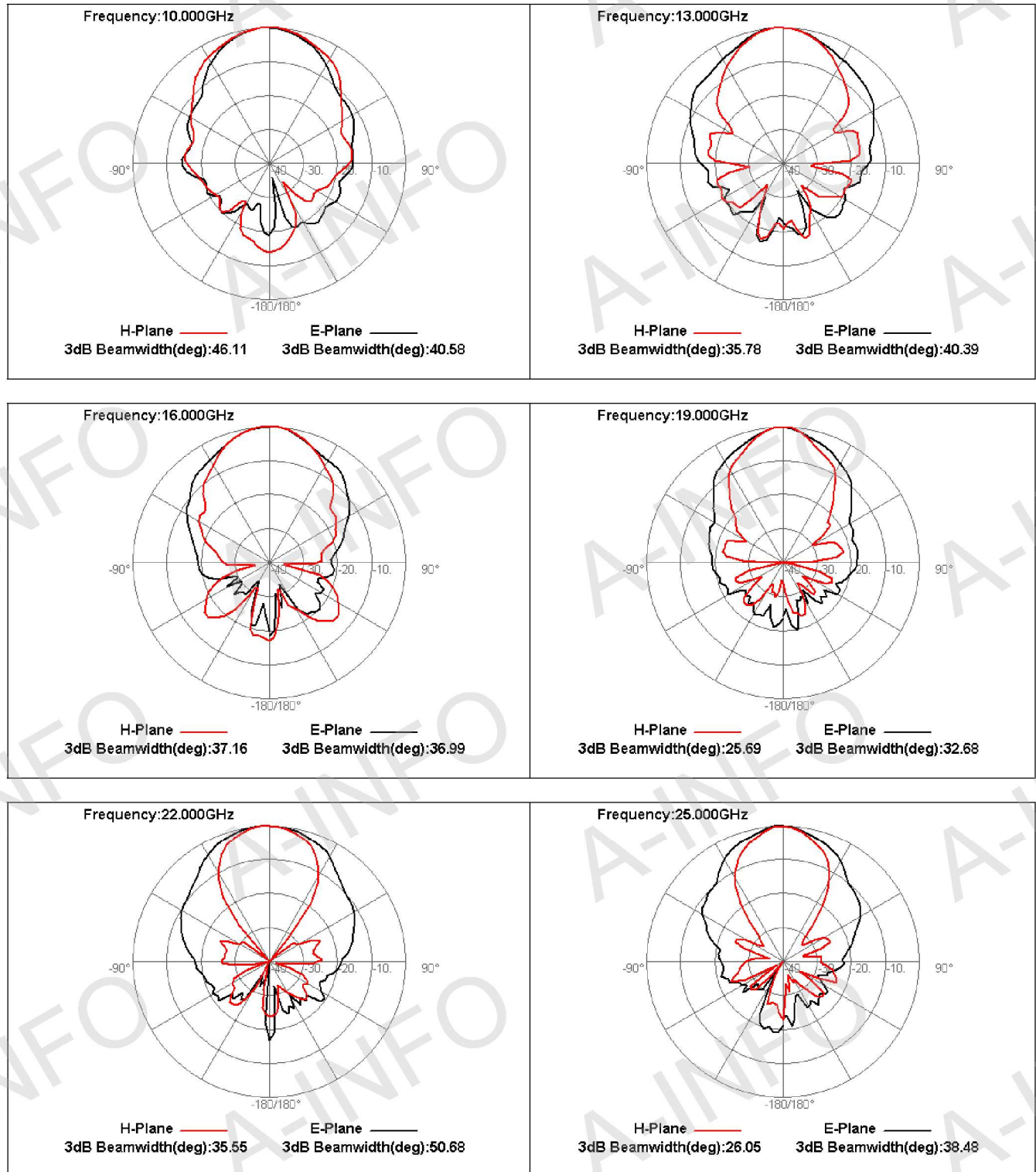
Pattern



Broadband Horn Antenna 4.0~40.0GHz(continued)

P/N: LB-40400

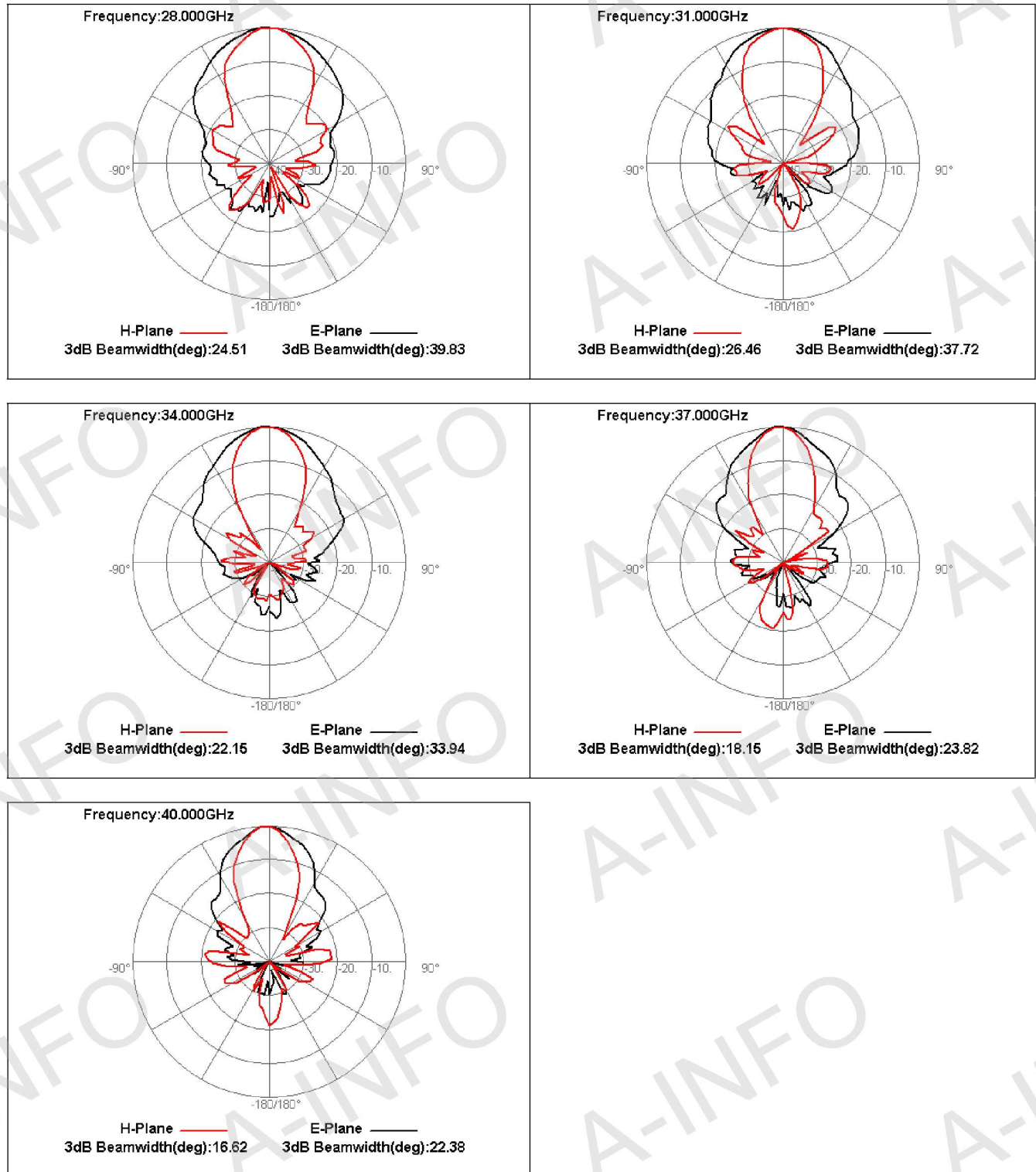
Pattern



Broadband Horn Antenna 4.0~40.0GHz(continued)

P/N: LB-40400

Pattern



Broadband Horn Antenna 6.0~67.0GHz

P/N: LB-60670

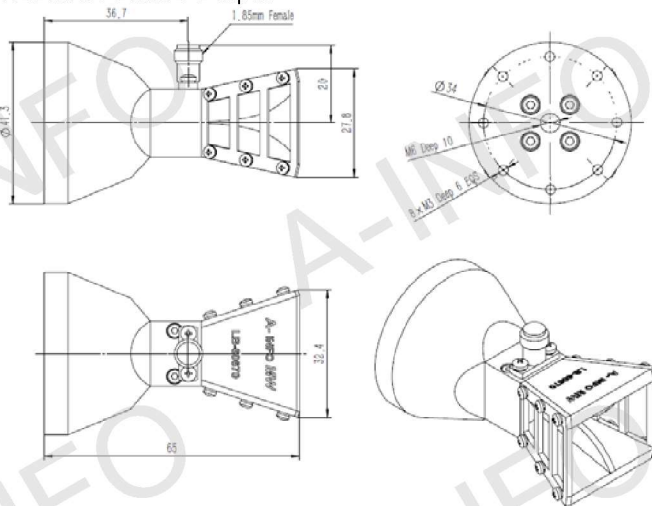


Technical Specification

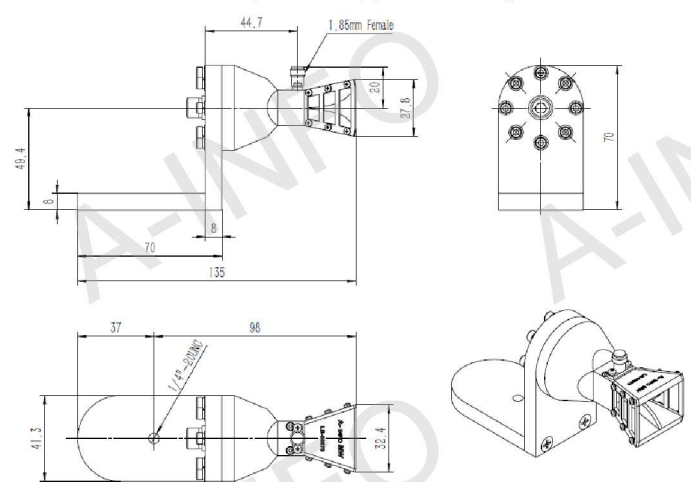
Frequency Range(GHz)	6.0~67.0	
Gain(dB)	13 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	105 - 10
	H Plane:	86 - 9
Cross Pol. Isolation(dB)	30 Typ.	
VSWR	1.5:1 Typ.	
	2.5:1 Max	
Connector	1.85mm-Female	
Power Handling(W) CW	5 Max.	
Material	Al	
Size(mm)	65 x 32.4 x 27.8	
Net Weight(Kg)	0.1 Around	

Outline Drawing (Size: mm)

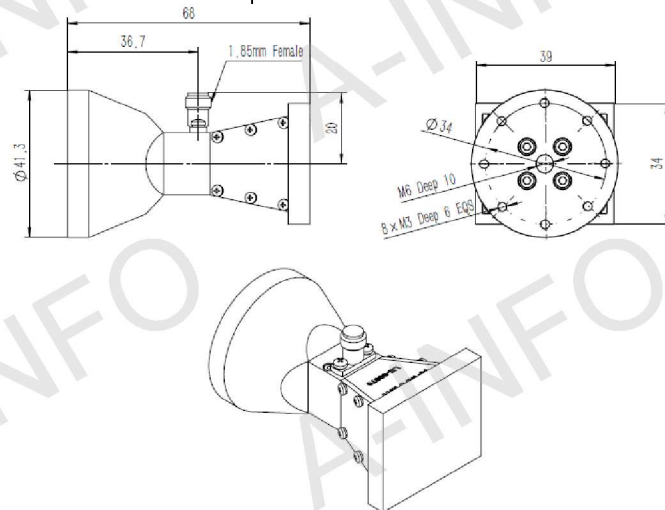
1.85mm Female Output



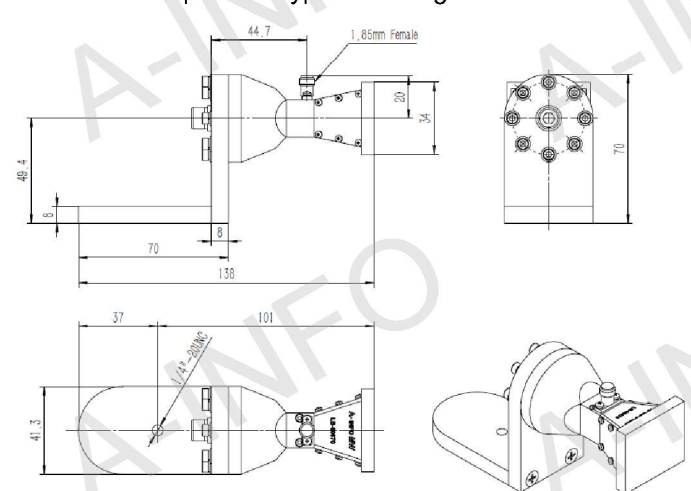
1.85mm Female Output w/ L type Mounting Bracket



1.85mm Female Output with Radome



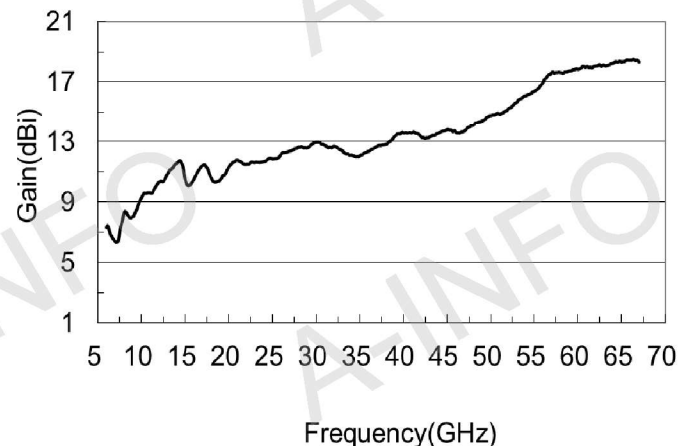
1.85mm-F Output w/ L type Mounting Bracket& Radome



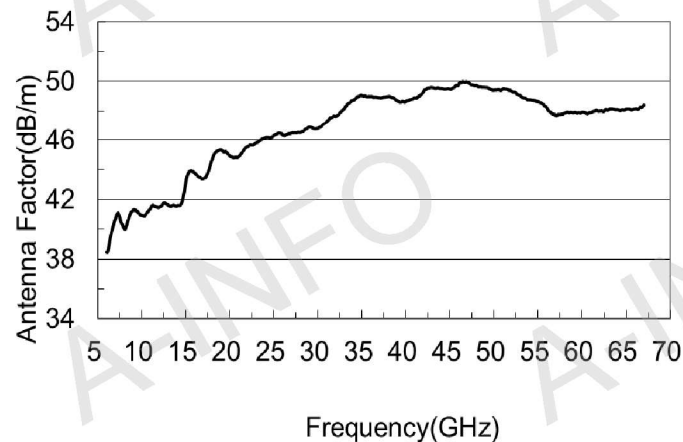
Broadband Horn Antenna 6.0~67.0GHz (continued)

P/N: LB-60670

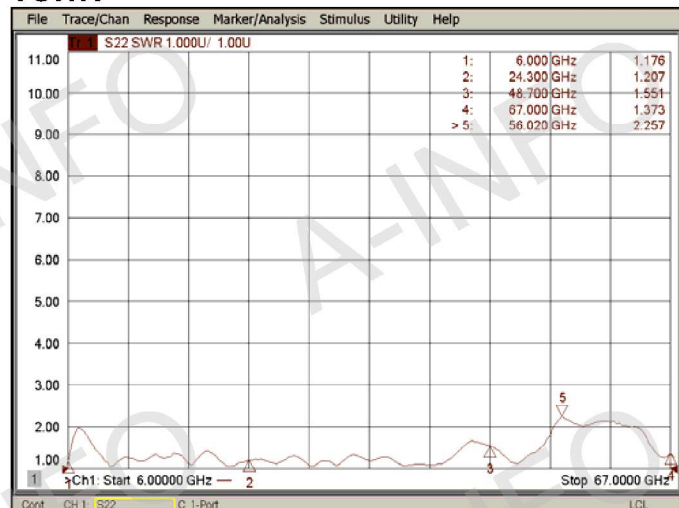
Gain



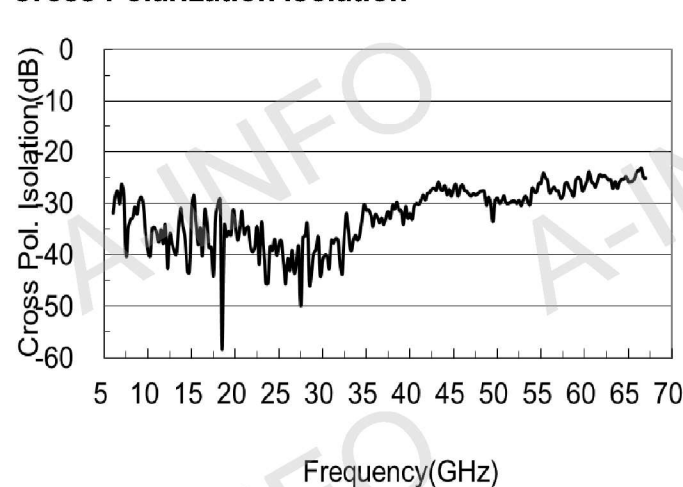
Antenna Factor



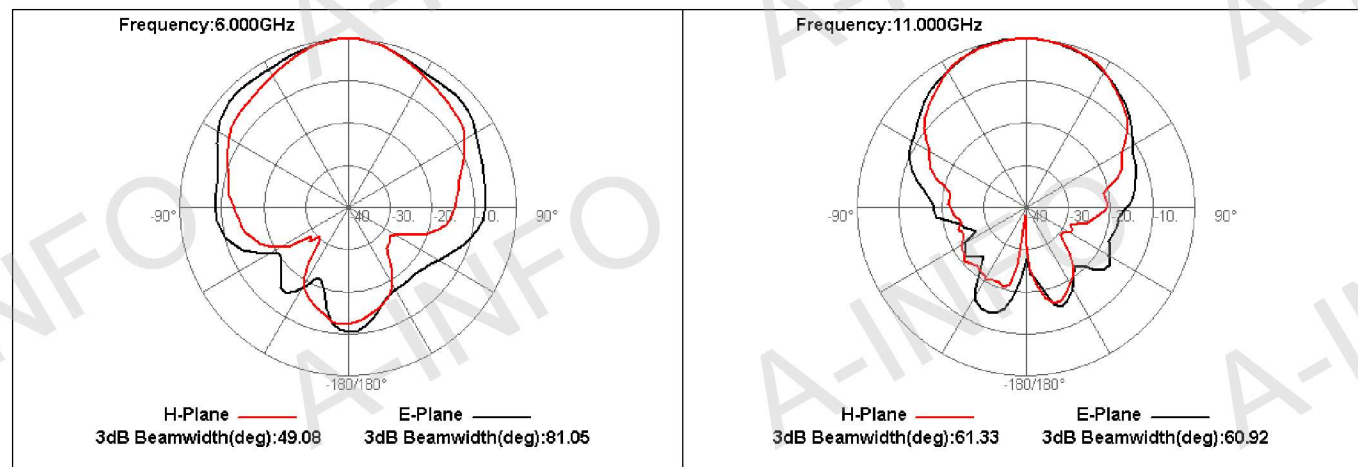
VSWR



Cross Polarization Isolation



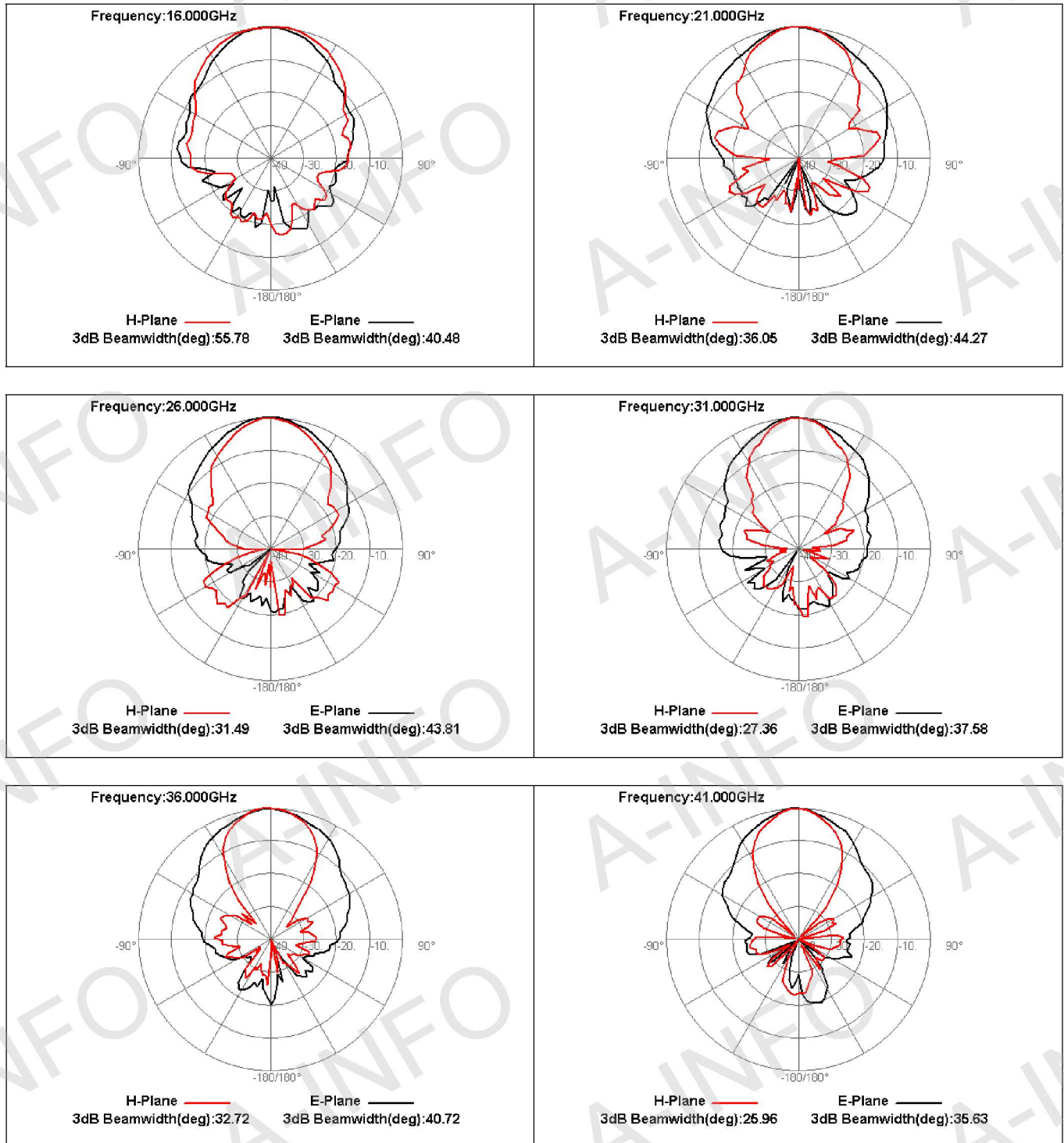
Pattern



Broadband Horn Antenna 6.0~67.0GHz(continued)

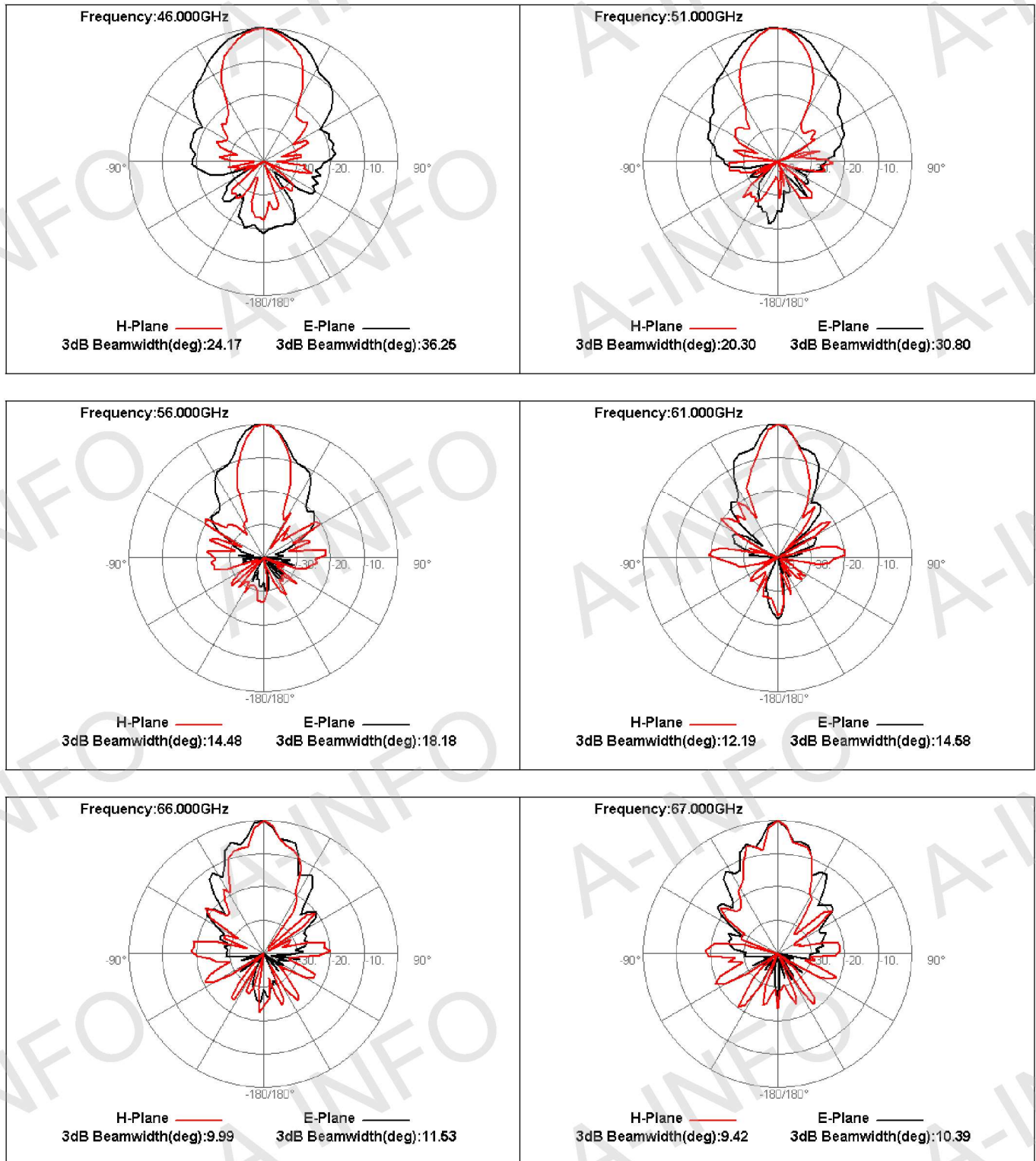
P/N: LB-60670

Pattern



Broadband Horn Antenna 6.0~67.0GHz(continued)

P/N: LB-60670



Broadband Horn Antenna 18.0~40.0GHz

P/N: LB-180400

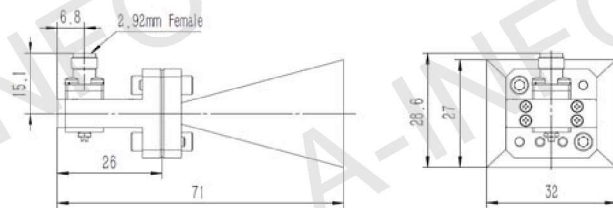


Technical Specification

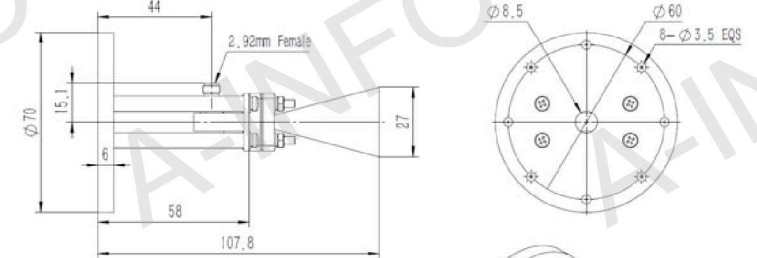
Frequency Range(GHz)	18-40
Gain(dBic)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 41 - 21 H Plane: 42 - 17
Cross Pol. Isolation(dB)	30 Typ.
VSWR	1.5:1 Typ. 2.0:1 Max
Connector	2.92mm(K)-Female Or 2.4mm-Female
Power Handling(W)	2.92mm(K)-Female: 20 Max. CW 2.4mm-Female: 10 Max. CW
Material	Cu
Size(mm)	32x28.6x71
Net Weight(Kg)	0.08 Around

Outline Drawing (Size: mm) (For 2.4mm-Female output outline drawing, please contact A-INFO.)

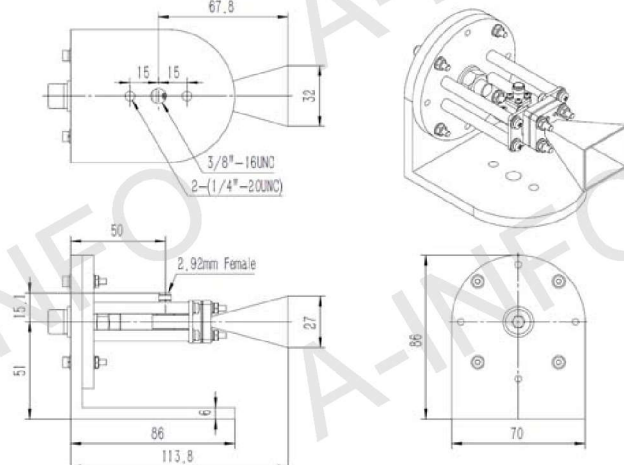
2.92mm-Female Output



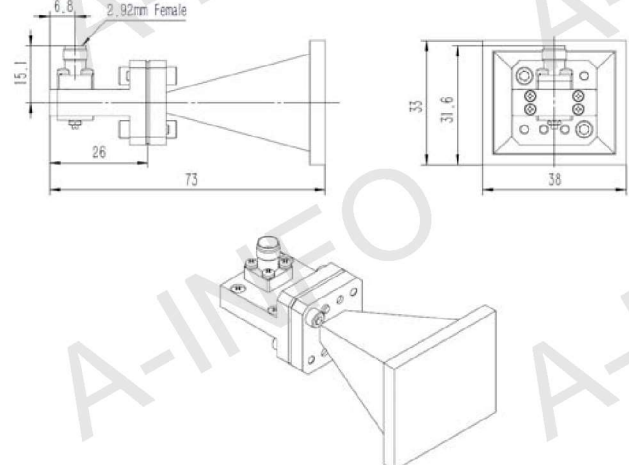
2.92mm-Female Output w/ Round Mounting Bracket



2.92mm-Female Output w/ L type Mounting Bracket



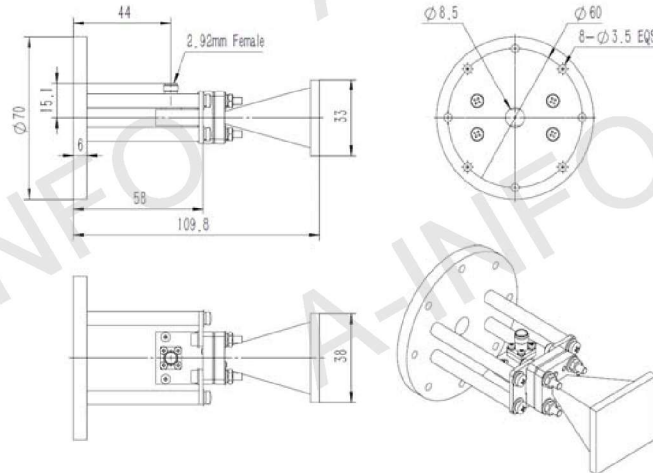
2.92mm-Female Output w/ Radome



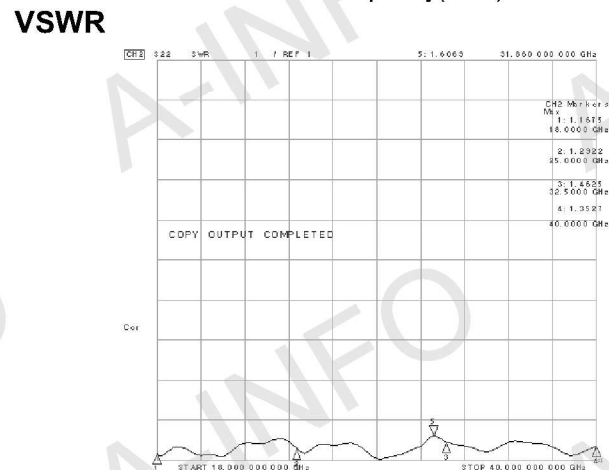
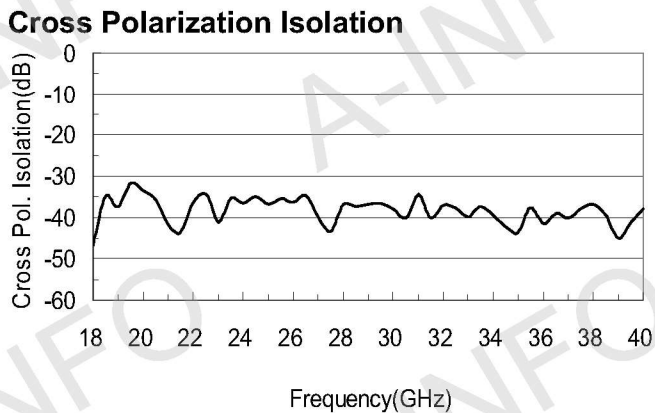
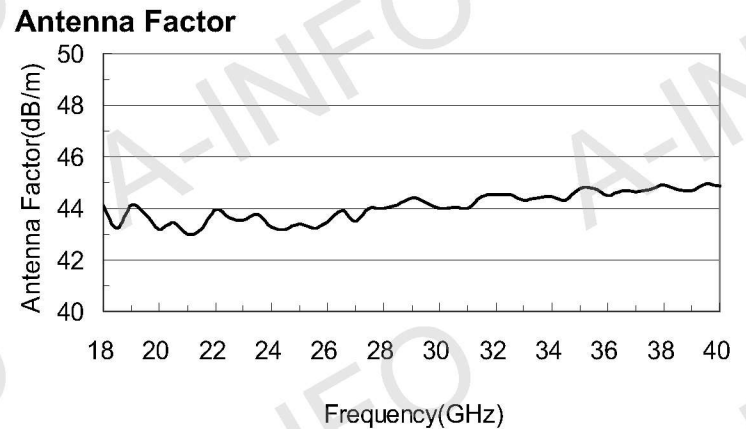
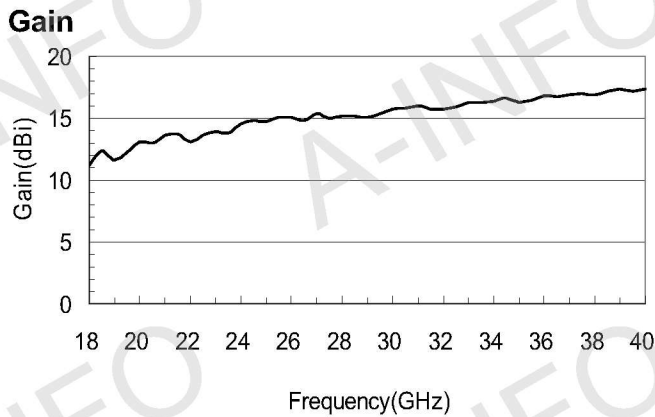
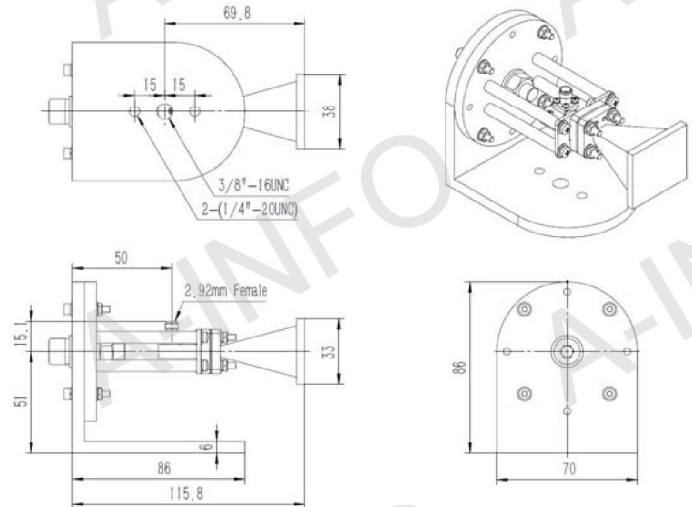
Broadband Horn Antenna 18.0~40.0GHz(continued)

P/N: LB-180400

2.92mm-Female Output w/ Round Mounting Bracket and Radome



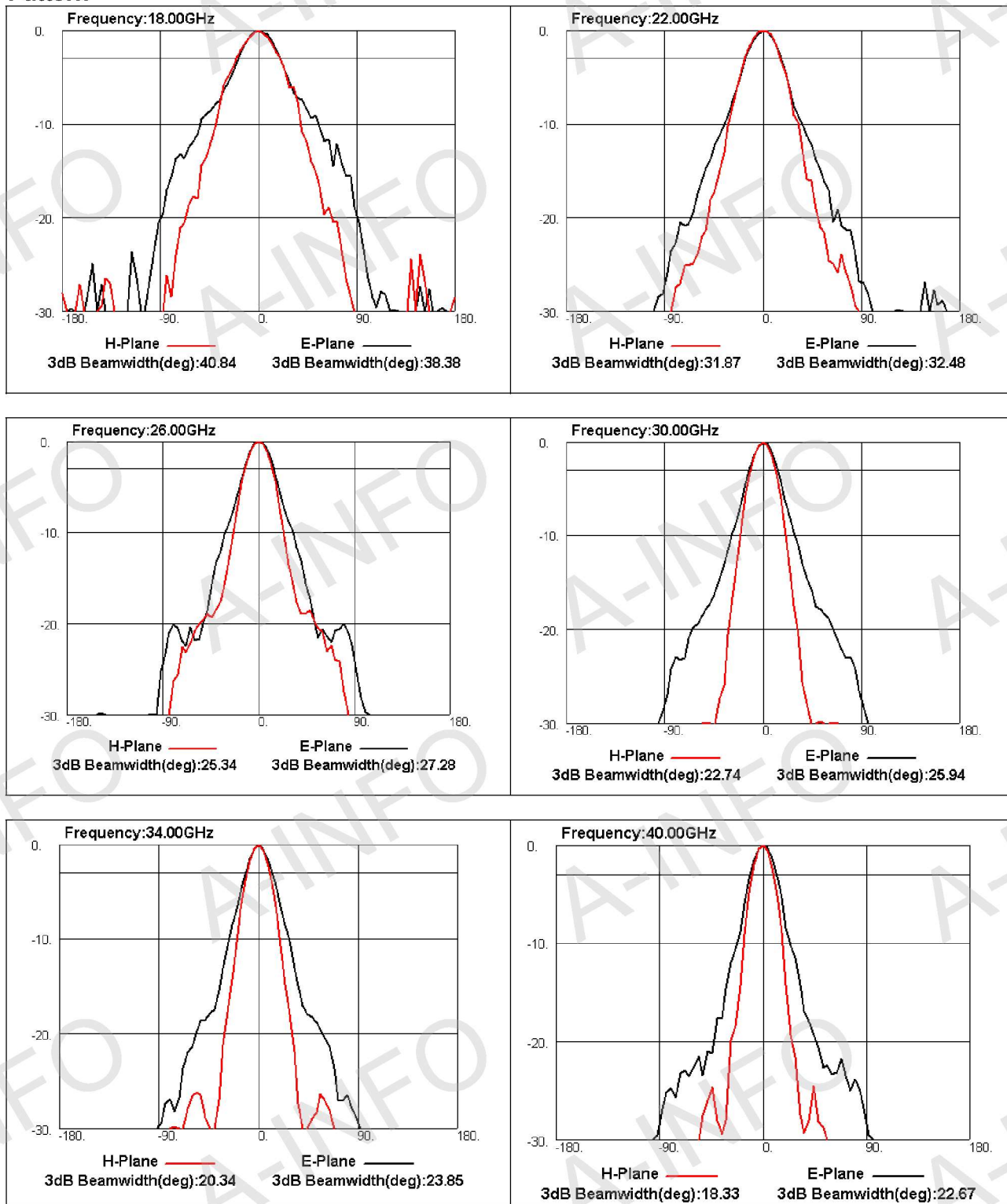
2.92mm-Female Output w/ L type Mounting Bracket and Radome



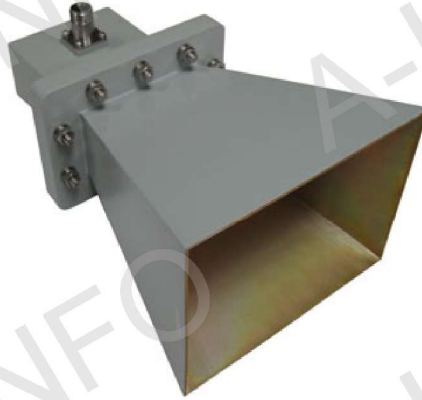
Broadband Horn Antenna 18.0~40.0GHz(continued)

P/N: LB-180400

Pattern



Octave Horn Antenna



The LB series octave horn antennas are linearly polarized and provide an efficient low cost means of making measurements. A-INFO's octave horn antenna can cover from 1GHz to 12GHz frequency range. These horns are ideally suited for EMI testing, direction finding, surveillance, antenna gain and pattern measurements and other applications.

For detailed test data, pls. Log on www.ainfoinc.com – Antenna –Octave Horn and download.

Model	Frequency (GHz)	Gain (dB)	Waveguide	Connector
LB-OH-650-10-NF	1.0-2.0	10	WR650	N-Female
LB-OH-650-10-SF	1.0-2.0	10	WR650	SMA-Female
LB-OH-650-15-NF	1.0-2.0	15	WR650	N-Female
LB-OH-650-15-SF	1.0-2.0	15	WR650	SMA-Female
LB-OH-320-10-NF	2.0-4.0	10	WR320	N-Female
LB-OH-320-15-NF	2.0-4.0	15	WR320	N-Female
LB-OH-159-10-SF	4.0-8.0	10	WR159	SMA -Female
LB-OH-159-10-NF	4.0-8.0	10	WR159	N -Female
LB-OH-159-15-SF	4.0-8.0	15	WR159	SMA -Female
LB-OH-159-15-NF	4.0-8.0	15	WR159	N -Female
LB-OH-159-20-SF	4.0-8.0	20	WR159	SMA -Female
LB-OH-159-20-NF	4.0-8.0	20	WR159	N -Female
LB-OH-112-10-SF	6.0-12.0	10	WR112	SMA -Female
LB-OH-112-10-NF	6.0-12.0	10	WR112	N -Female
LB-OH-112-15-SF	6.0-12.0	15	WR112	SMA -Female
LB-OH-112-15-NF	6.0-12.0	15	WR112	N -Female
LB-OH-112-20-SF	6.0-12.0	20	WR112	SMA -Female
LB-OH-112-20-NF	6.0-12.0	20	WR112	N -Female

Octave Horn Antenna 4.0~8.0GHz

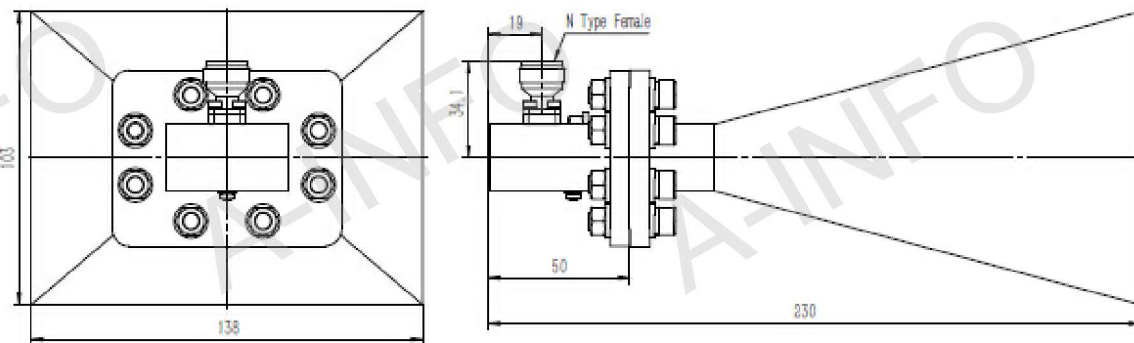
P/N: LB-OH-159-15



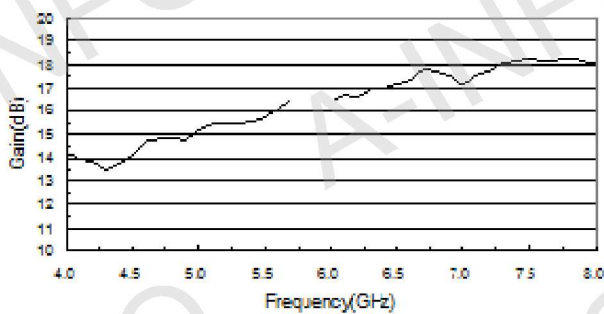
Technical Specification

Frequency Range(GHz)	4.0-8.0
Gain(dB)	15 typ.
Polarization	Linear
Connector	N-F or SMA-F
Size(mm)	138 x 103 x230
Net Weight(Kg)	0.5 Around

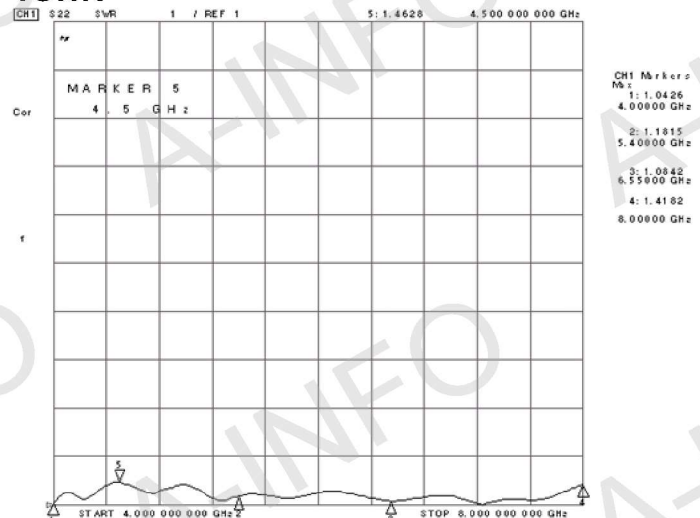
Outline Drawing (Size: mm)



Gain



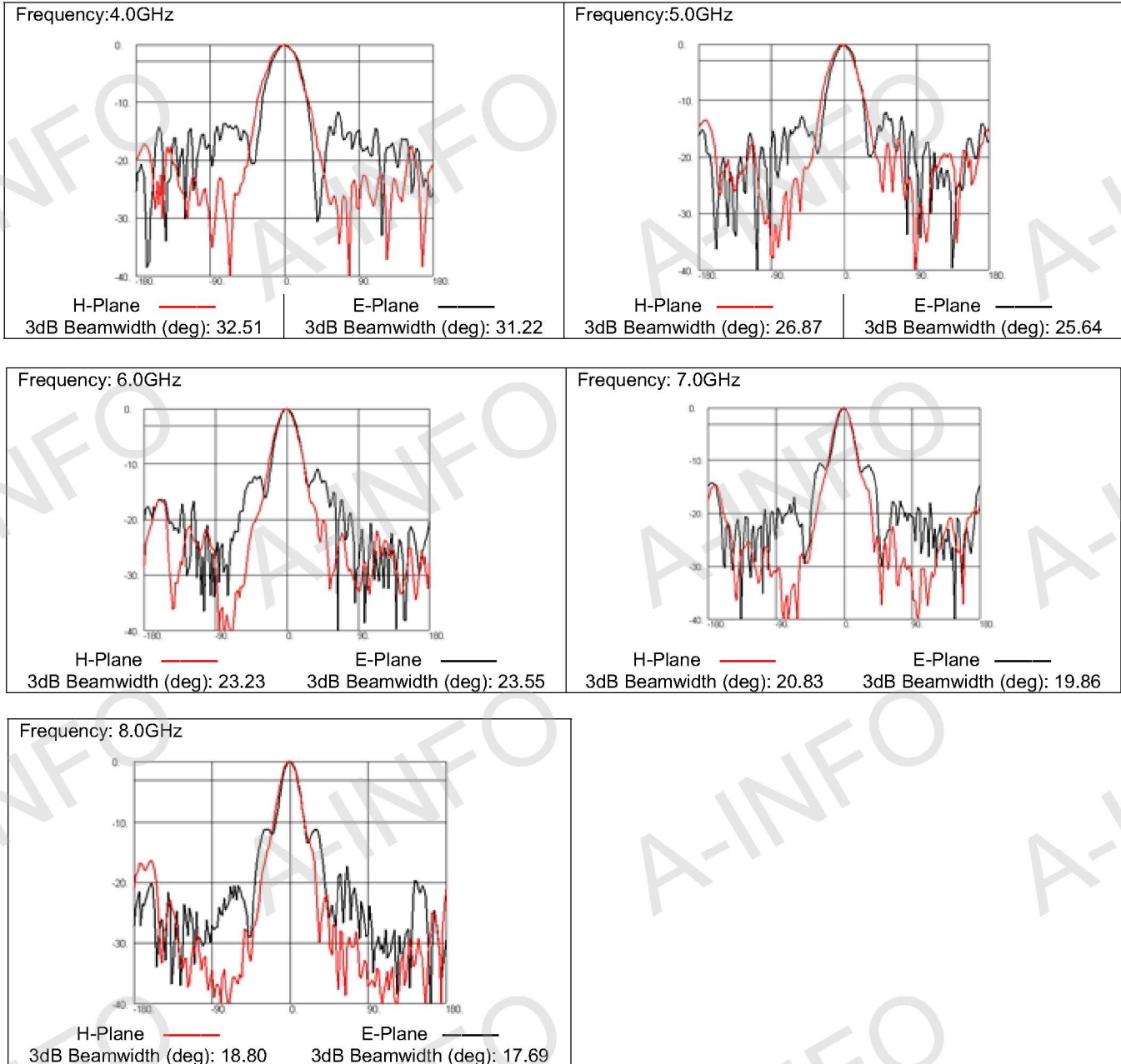
VSWR



Octave Horn Antenna 4.0~8.0GHz(continued)

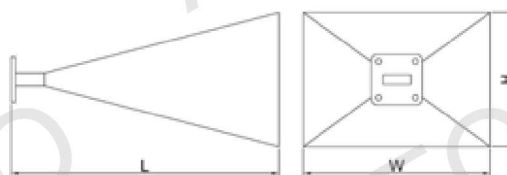
P/N: LB-OH-159-15

Pattern



Multi Octave Horn Antenna

A Type:



C Type:



Model Information				
Example Part Number: LB -08420 -15 -C -SF				
Product Code				
Frequency Range: 0.84 - 2.0GHz				
Gain in dB, Standard gain is 10dB, 15dB, 20dB, 25dB				
Figure Type:				
-A: Waveguide Output				
-C: Coaxial Output. Connector type below needs to be specified				
Figure C Connector Type Option:				
7/16F=7/16 DIN Female;				
NF=N Type-Female; NM=N Type-Male;				
SF=SMA-Female; SM=SMA-Male;				
3.5F=3.5mm-Female; 3.5M=3.5mm-Male;				
KF=2.92mm-Female; KM=2.92mm-Male;				
2.4F=2.4mm-Female; 2.4M=2.4mm-Male;				
1.85F=1.85mm-Female; 1.85M=1.85mm-Male				

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Multi Octave Horn Antenna and download.

Model	Freq. Range (GHz)	Pol.	Gain (dB) Typ.	Figure	Waveguide	Size(mm)			VSWR Max.
						W	H	L	
LB-08420-10-A	0.84-2.0	Linear	10	A	WRD84D24	-	-	-	-
LB-08420-10-C-XX				C	NF/SF	-	-	-	2.0
LB-08420-15-A			15	A	WRD84D24	586	436	550	-
LB-08420-15-C-XX				C	NF/SF	586	436	769	2.0
LB-1536-10-A	1.5-3.6	Linear	10	A	WRD150D24	-	-	-	-
LB-1536-10-C-XX				C	NF/SF	-	-	-	2.0
LB-1536-15-A			15	A	WRD150D24	-	-	-	-
LB-1536-15-C-XX				C	NF/SF	-	-	-	2.0
LB-2048-10-A	2.0-4.8	Linear	10	A	WRD200D24	164	134	195	-
LB-2048-10-C-XX				C	NF/SF	164	134	292	2.0
LB-2048-15-A			15	A	WRD200D24	245	195	310	-
LB-2048-15-C-XX				C	NF/SF	245	195	407	2.0
LB-2678-10-A	2.6-7.8	Linear	10	A	WRD250D30	124	104	150	-
LB-2678-10-C-XX				C	NF/SF	124	104	217	2.0
LB-2678-15-A			15	A	WRD250D30	228	158	313	-
LB-2678-15-C-XX				C	NF/SF	228	158	380	2.0
LB-3582-10-A	3.5-8.2	Linear	10	A	WRD350D24	103	83	147	-
LB-3582-10-C-XX				C	NF/SF	103	83	205	2.0
LB-3582-15-A			15	A	WRD350D24	157	131	227	-
LB-3582-15-C-XX				C	NF/SF	157	131	285	2.0
LB-475110-10-A	4.75-11.0	Linear	10	A	WRD475D24	73	58	105	-
LB-475110-10-C-XX				C	NF/SF	73	58	150	2.0
LB-475110-15-A			15	A	WRD475D24	116	97	171	-
LB-475110-15-C-XX				C	NF/SF	116	97	216	2.0
LB-58160-10-A	5.8-16.0	Linear	10	A	WRD580D28	65	51	98	-
LB-58160-10-C-XX				C	NF/SF	65	51	141	2.0
LB-58160-15-A			15	A	WRD580D28	84	71	124	-
LB-58160-15-C-XX				C	NF/SF	84	71	167	2.0
LB-58160-20-A			20	A	WRD580D28	134	112	243	-
LB-58160-20-C-XX				C	NF/SF	134	112	286	2.0
LB-65180-10-A	6.5-18.0	Linear	10	A	WRD650D28	55	44	73	-
LB-65180-10-C-XX				C	NF/SF	55	44	109	2.0
LB-65180-15-A			15	A	WRD650D28	78	66	110	-
LB-65180-15-C-XX				C	NF/SF	78	66	146	2.0
LB-65180-20-A			20	A	WRD650D28	124	104	226	-
LB-65180-20-C-XX				C	NF/SF	124	104	262	2.0

Model	Freq. Range (GHz)	Pol.	Gain (dB) Typ.	Figure	Output	Size(mm)			VSWR Max.
						W	H	L	
LB-75180-10-A	7.5-18.0	Linear	10	A	WRD750D24	48	39	65	-
LB-75180-10-C-XX				C	NF/SF	48	39	96.7	2.0
LB-75180-15-A			15	A	WRD750D24	74.5	62.4	112	-
LB-75180-15-C-XX				C	NF/SF	74.5	62.4	143.7	2.0
LB-75180-20-A			20	A	WRD750D24	108	90	206	-
LB-75180-20-C-XX				C	NF/SF	108	90	238	2.0
LB-110265-10-A	11.0-26.5	Linear	10	A	WRD110C24	32	26	47	-
LB-110265-10-C-XX				C	SF	32	26	71.6	2.0
LB-110265-15-A			15	A	WRD110C24	52	43	88	-
LB-110265-15-C-XX				C	SF	52	43	112	2.0
LB-110265-20-A			20	A	WRD110C24	75	63	139	-
LB-110265-20-C-XX				C	SF	75	63	163	2.0
LB-180400-10-A	18.0-40.0	Linear	10	A	FPWRD180C24	22.4	22.4	29.8	-
LB-180400-10-C-XX				C	KF/2.4F	22.4	26.3	55.8	2.0
LB-180400-15-A			15	A	FPWRD180C24	32	27	45	-
LB-180400-15-C-XX				C	KF/2.4F	32	28.6	71	2.0
LB-180400-20-A			20	A	FPWRD180C24	55	55	87	-
LB-180400-20-C-XX				C	KF/2.4F	55	55	113	2.0
LB-180400-25-A			25	A	FPWRD180C24	95	95	263	-
LB-180400-25-C-XX				C	KF/2.4F	95	95	289	2.0

Multi Octave Horn Antenna 0.84~2.0GHz

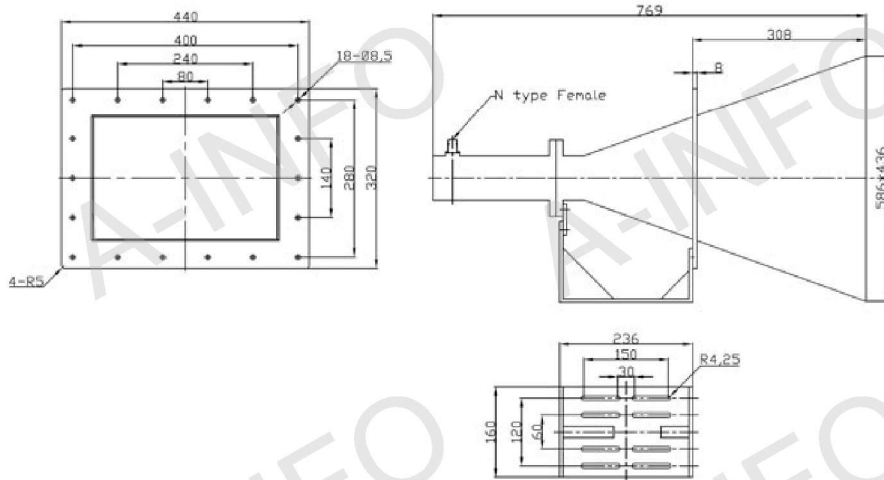
P/N: LB-08420-15



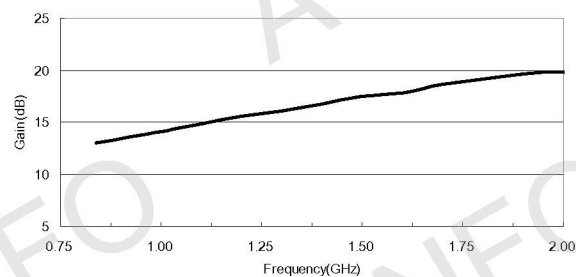
Technical Specification

Frequency Range(GHz)	0.84 - 2.0
Gain(dB)	15 Typ.
Polarization	Linear
VSWR	2.0 Max
Waveguide(A Type)	WRD84D24
Adapter(C Type)	84DRWCAN
Connector(C Type)	N-Female
Size(mm)	586 x 436 x 769 (Including Adapter)
Net Weight(Kg)	10.5 Around (Including Adapter)

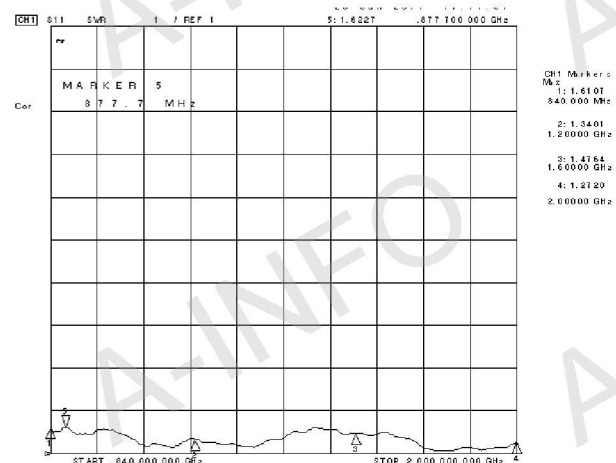
Outline Drawing (Size: mm)



Gain



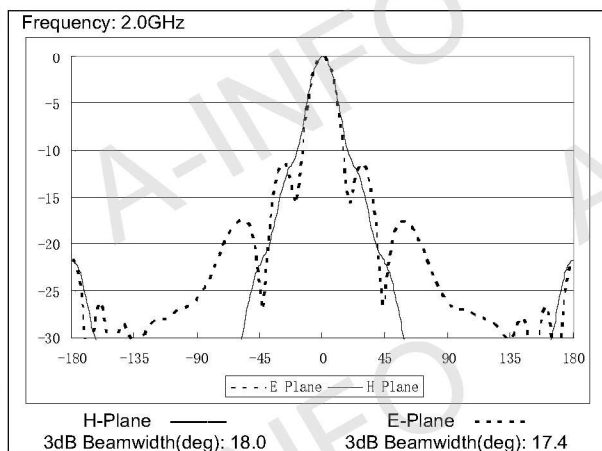
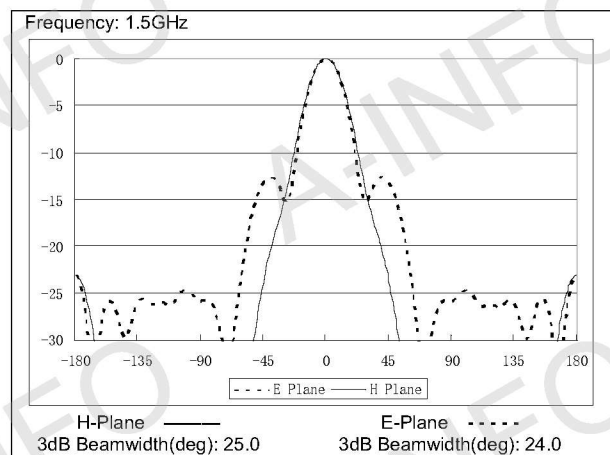
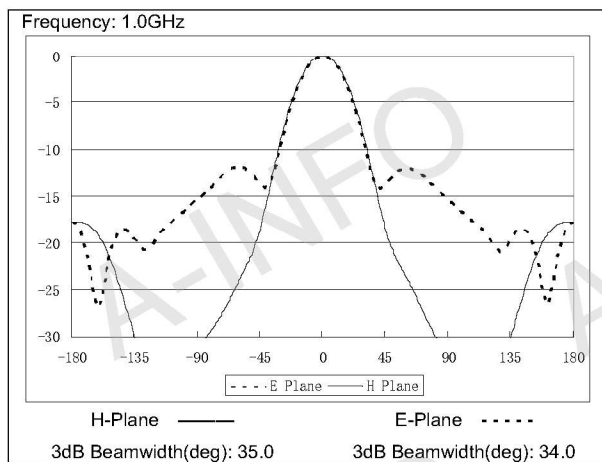
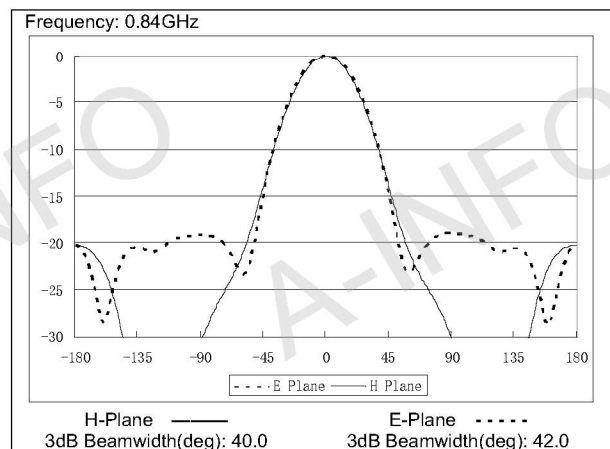
VSWR



Multi Octave Horn Antenna 0.84~2.0GHz(continued)

P/N: LB-08420-15

Pattern



Multi Octave Horn Antenna 2.0~4.8GHz

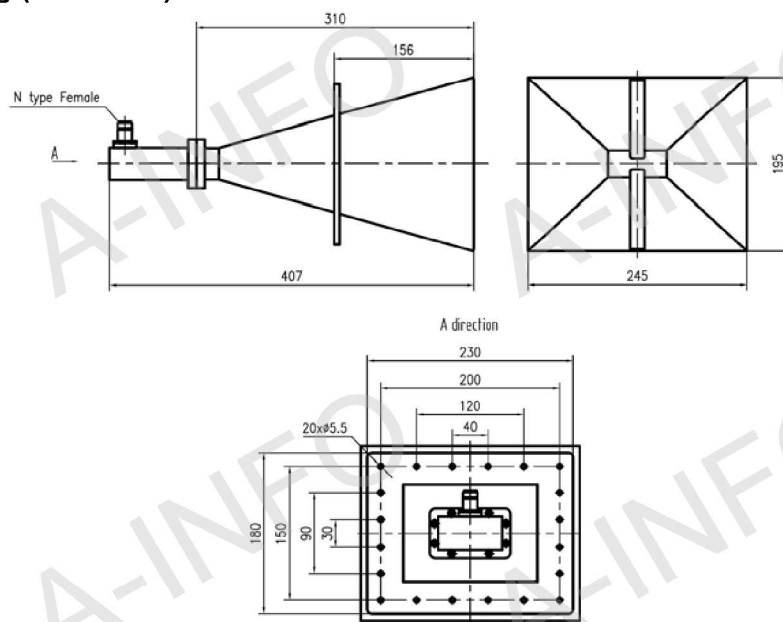
P/N: LB-2048-15



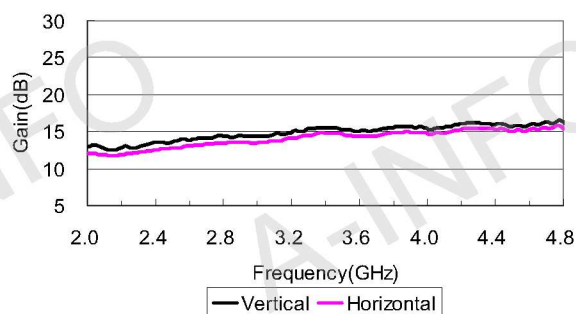
Technical Specification

Frequency Range(GHz)	2.0-4.8
Gain(dB)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	40-20
VSWR	2.0 Max
Waveguide(A Type)	WRD200D24
Adapter(C Type)	200DRWCAN or 200DRWCAS
Connector(C Type)	N-Female or SMA-Female
Size(mm)	A Type: 245x195x310 / C Type: 245x195x407
Net Weight(Kg)	A Type: 2.0 Around / C Type: 2.6 Around

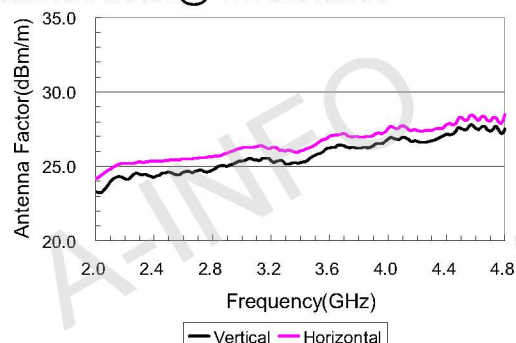
Outline Drawing (Size: mm)



Gain@ 1m distance



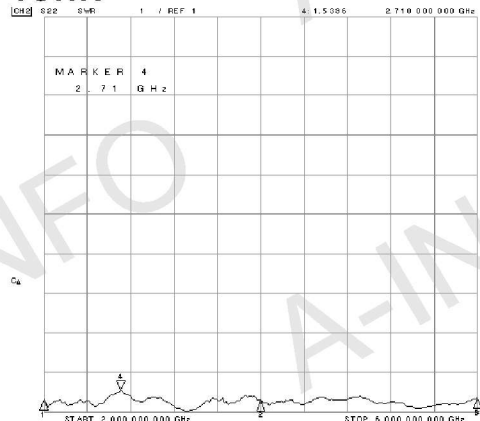
Antenna Factor@ 1m distance



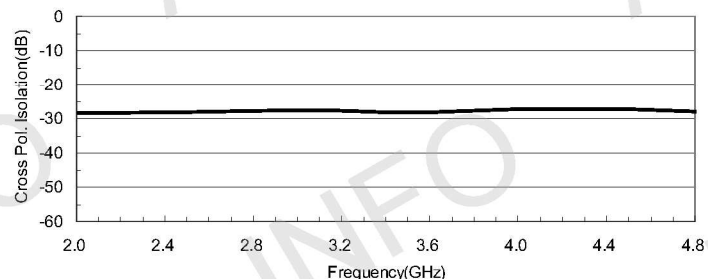
Multi Octave Horn Antenna 2.0~4.8GHz(continued)

P/N: LB-2048-15

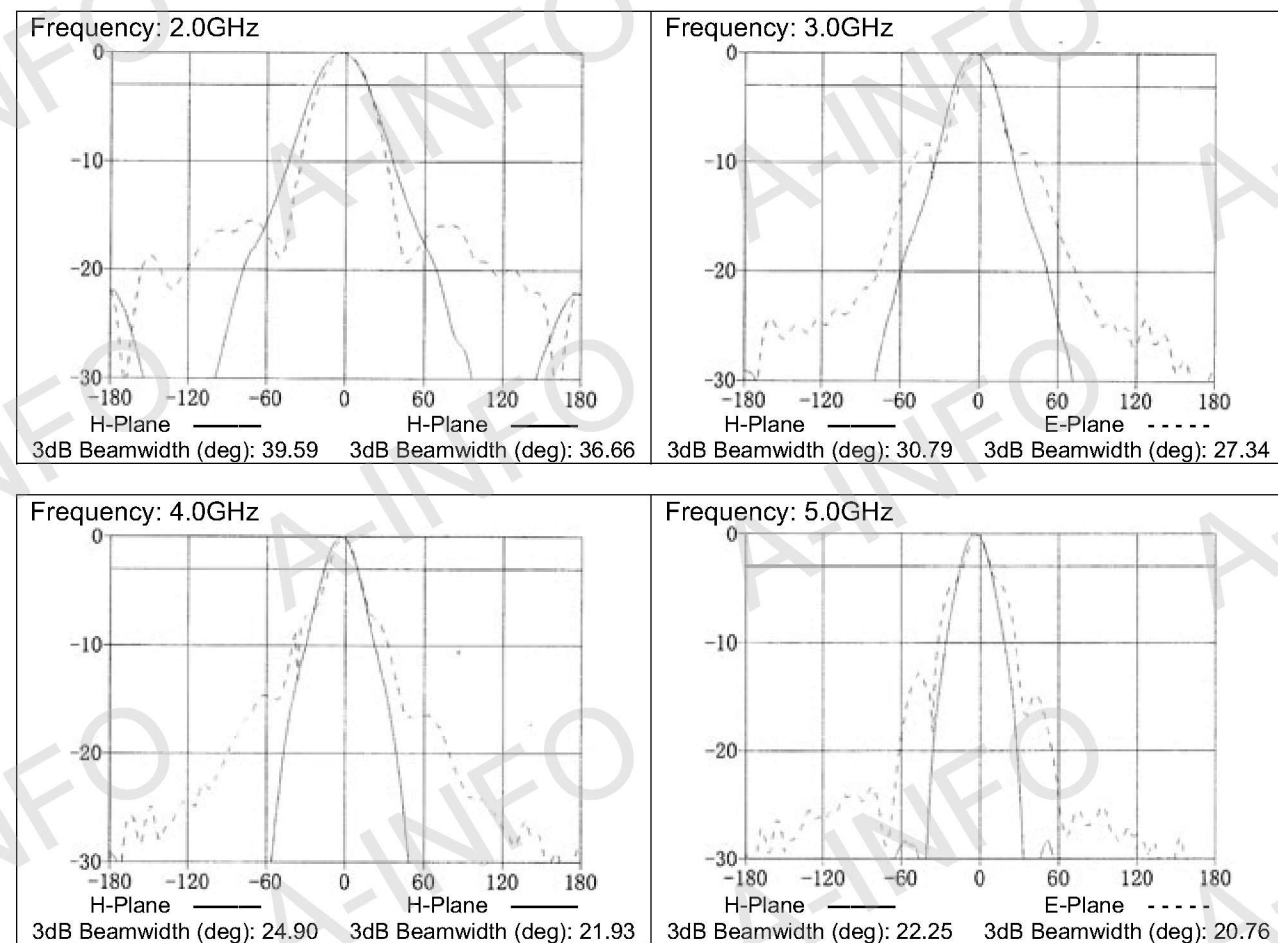
VSWR



Cross Polarization Isolation

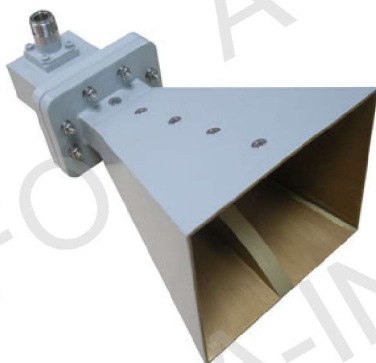


Pattern



Multi Octave Horn Antenna 2.6~7.8GHz

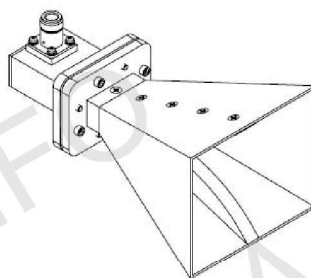
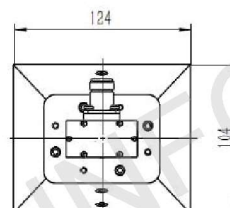
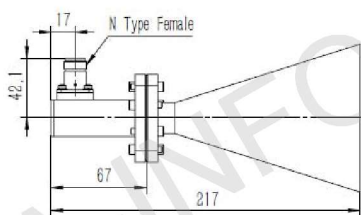
P/N: LB-2678-10



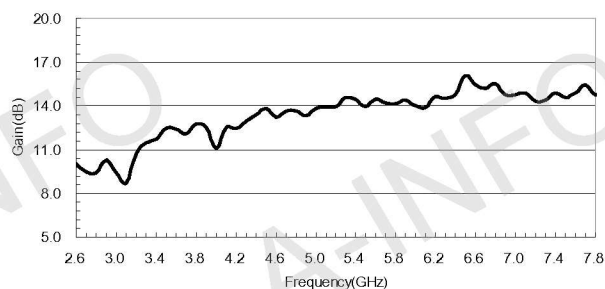
Technical Specification

Frequency Range(GHz)	2.6-7.8
Gain(dB)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	60-20
VSWR	2.0 Max
Waveguide(A Type)	WRD250D30
Adapter(C Type)	250DRWCAN or 250DRWCAS
Connector(C Type)	N-Female or SMA-Female
Size(mm)	A Type: 124x104x150 / C Type: 124x104x217
Net Weight(Kg)	A Type: 0.5 Around / C Type: 0.8 Around

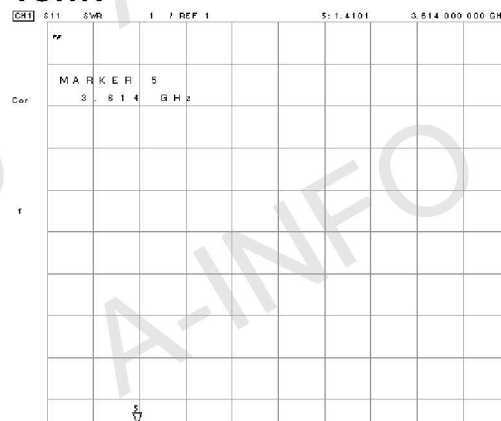
Outline Drawing (Size: mm)



Gain



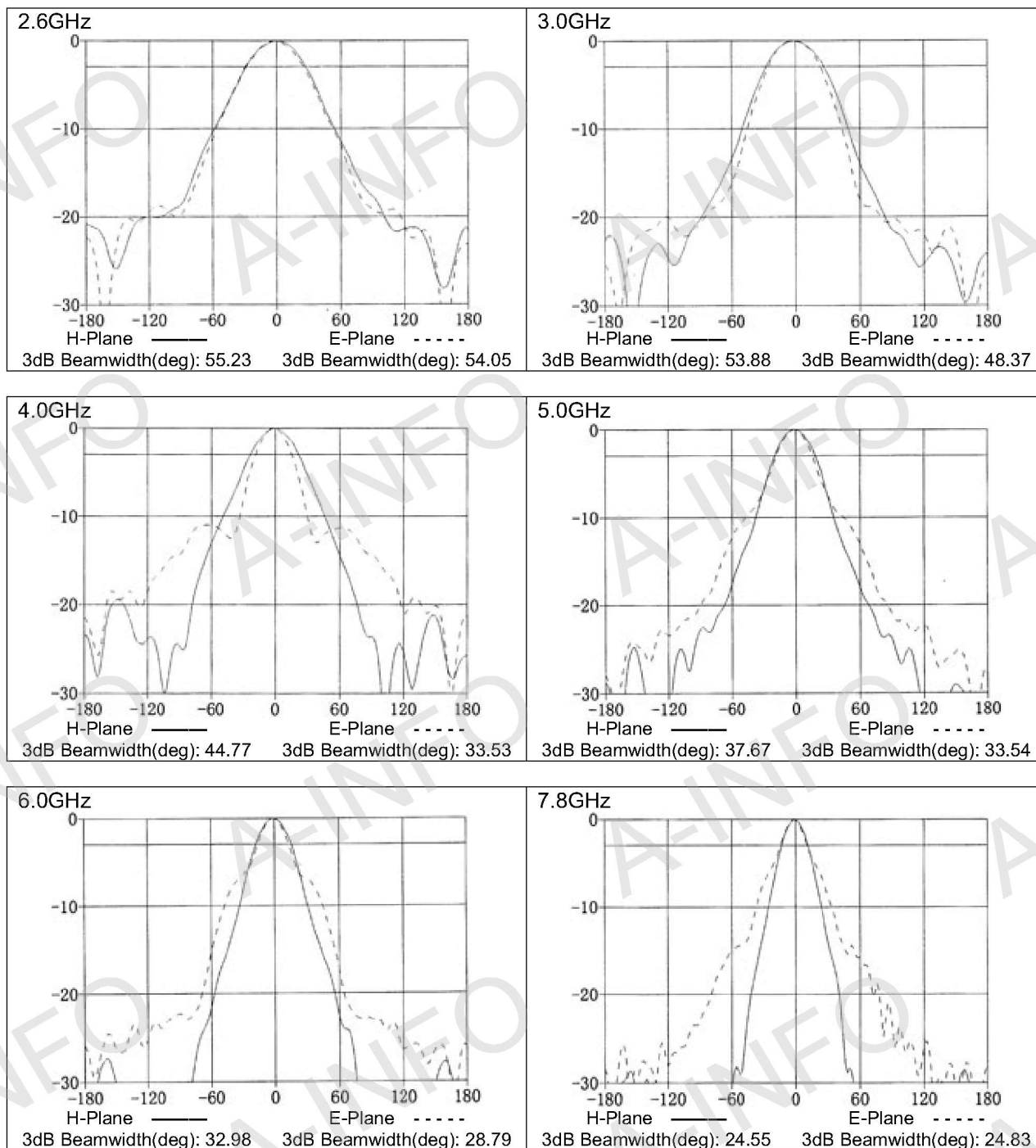
VSWR



Multi Octave Horn Antenna 2.6~7.8GHz(continued)

P/N: LB-2678-10

Pattern



Multi Octave Horn Antenna 4.75~11.0GHz

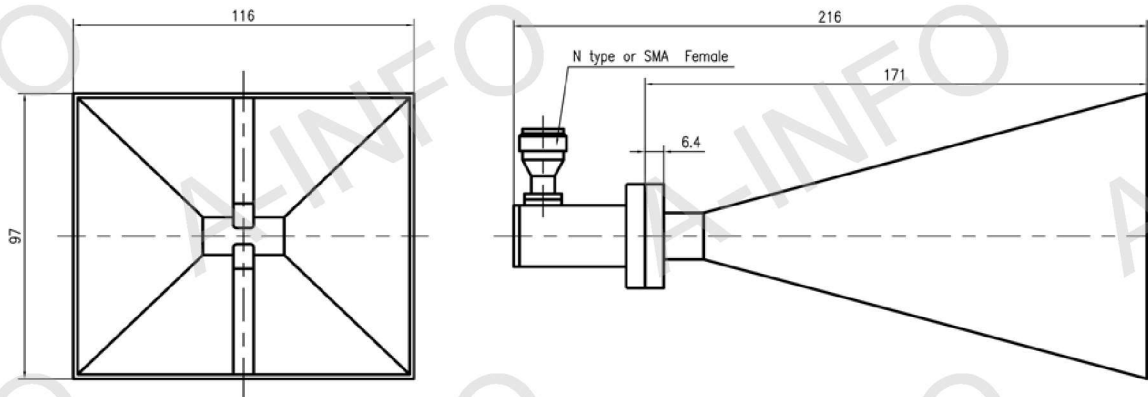
P/N: LB-475110-15



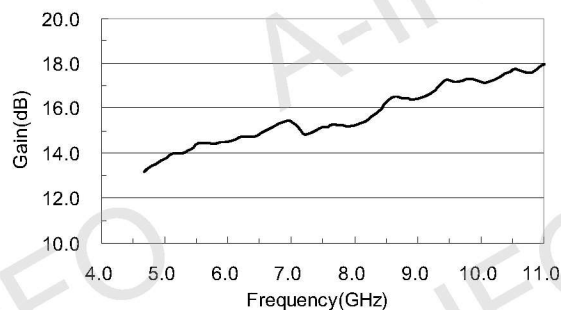
Technical Specification

Frequency Range(GHz)	4.75-11.0
Gain(dB)	15 Typ.
Polarization	Linear
VSWR	2.0 Max
Cross Pol. Isolation(dB)	35 Typ.
Waveguide(A Type)	WRD475D24
Adapter(C Type)	475DRWCAN or 475DRWCAS
Connector(C Type)	N-Female or SMA-Female
Size(mm)	A Type: 116x97x171 / C Type: 116x97x216
Net Weight(Kg)	A Type: 0.3 Around / C Type: 0.4 Around

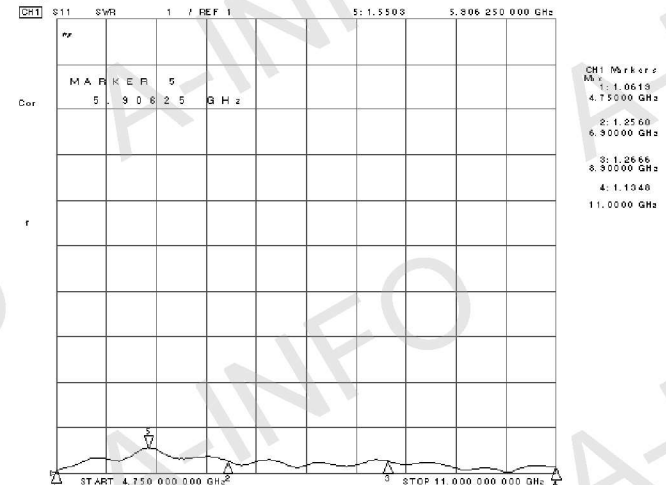
Outline Drawing (Size: mm)



Gain



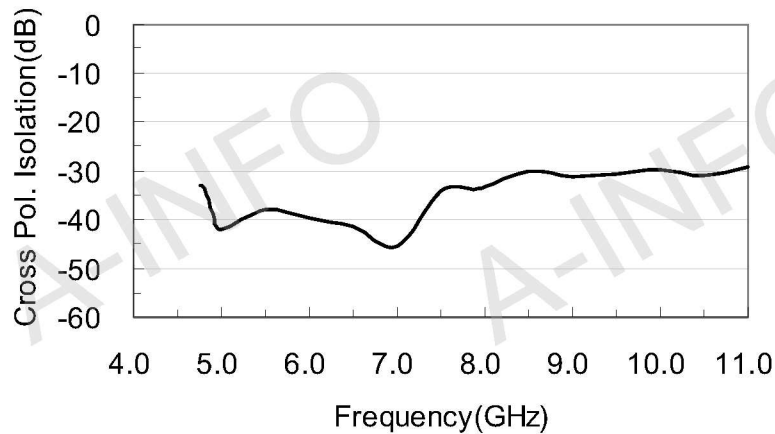
VSWR



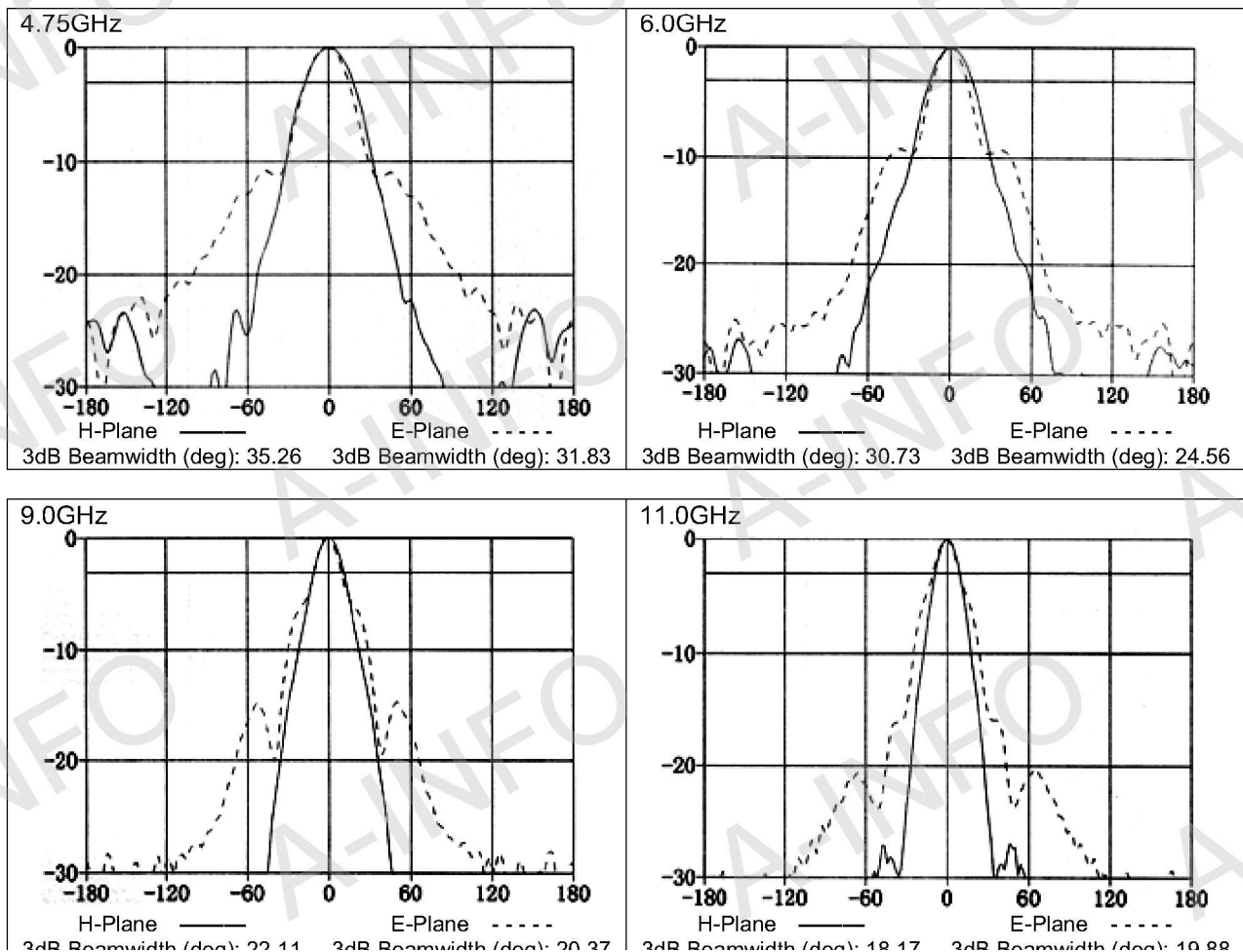
Multi Octave Horn Antenna 4.75~11.0GHz(continued)

P/N: LB-475110-15

Cross Pol. Isolation



Pattern



Multi Octave Horn Antenna 6.5~18.0GHz

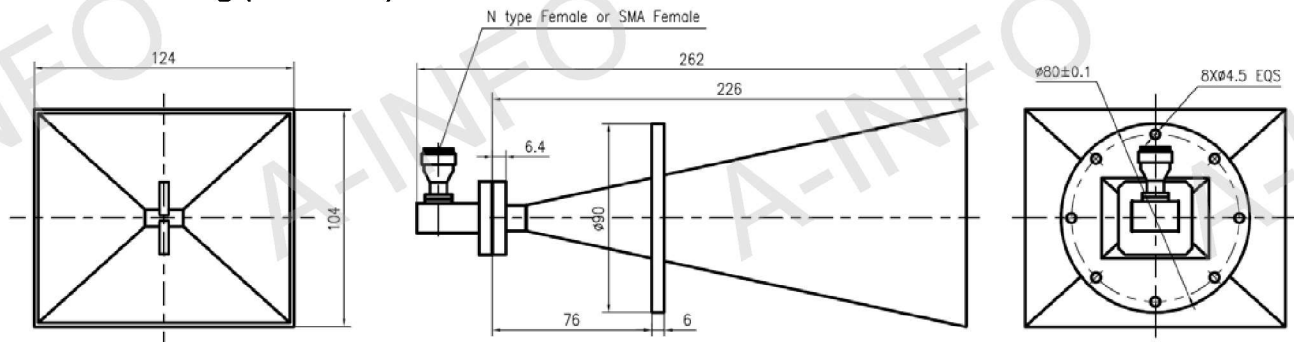
P/N: LB-65180-20



Technical Specification

Frequency Range(GHz)	6.5-18.0
Gain(dB)	20 Typ.
Polarization	Linear
VSWR	2.0 Max
Cross Pol. Isolation(dB)	30 Typ.
Waveguide(A Type)	WRD650D28
Adapter(C Type)	650DRWCAN or 650DRWCAS
Connector(C Type)	N-Female or SMA-Female
Size(mm)	A Type: 124x104x226 / C Type: 124x104x262
Net Weight(Kg)	A Type: 0.6 Around / C Type: 0.8 Around

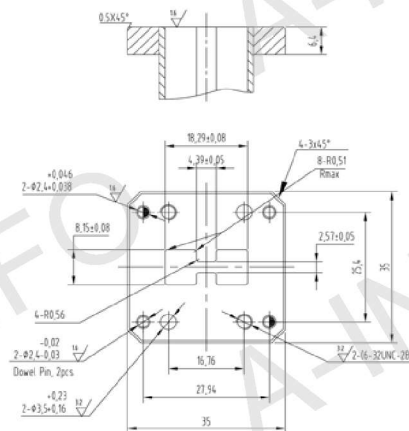
Outline Drawing (Size: mm)



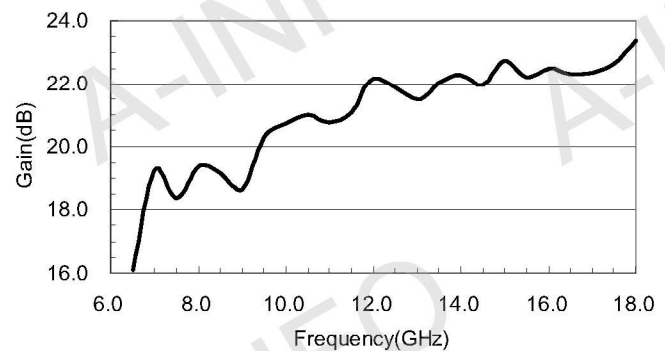
Flange Drawing (Size: mm)

FPWRD650D28

(With two through mounting holes
and two screws holes)



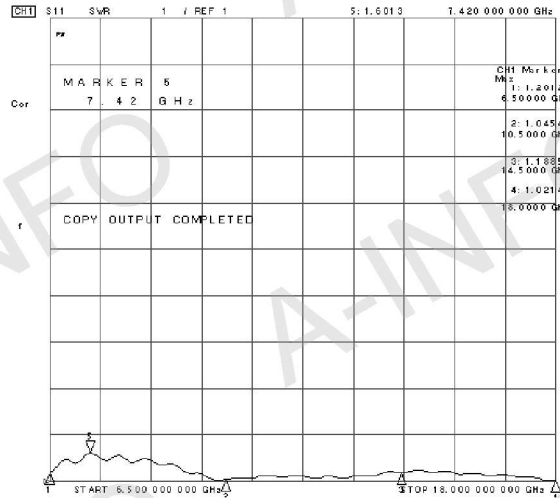
Gain



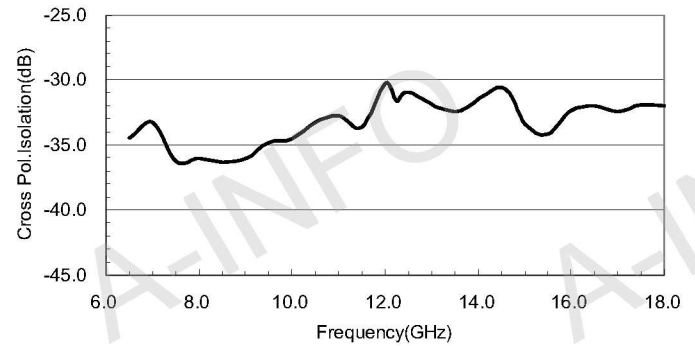
Multi Octave Horn Antenna 6.5~18.0GHz(continued)

P/N: LB-65180-20

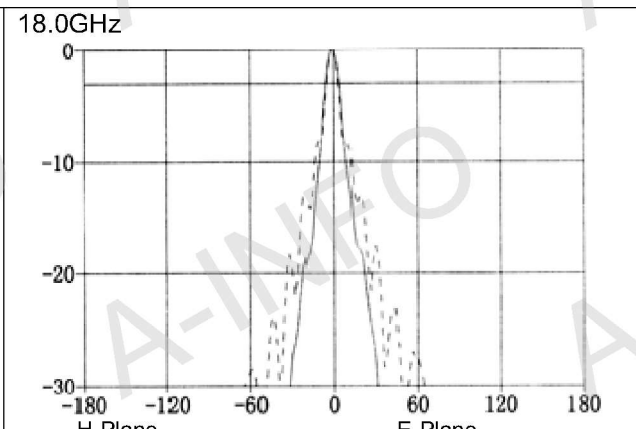
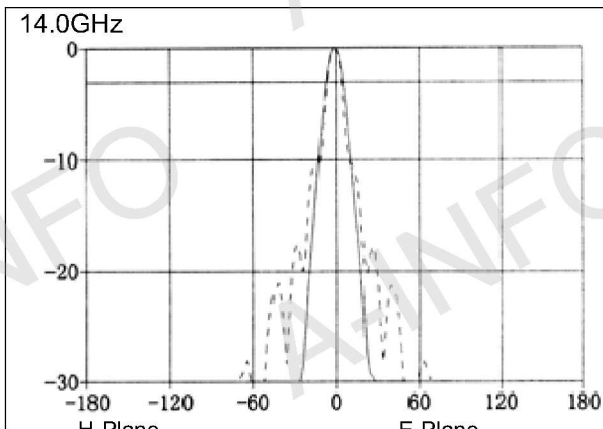
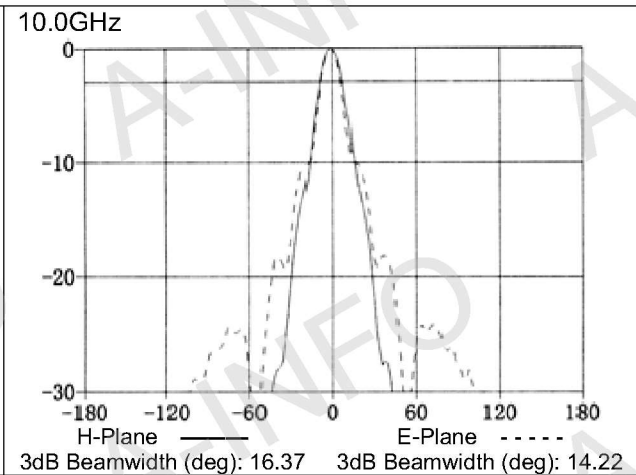
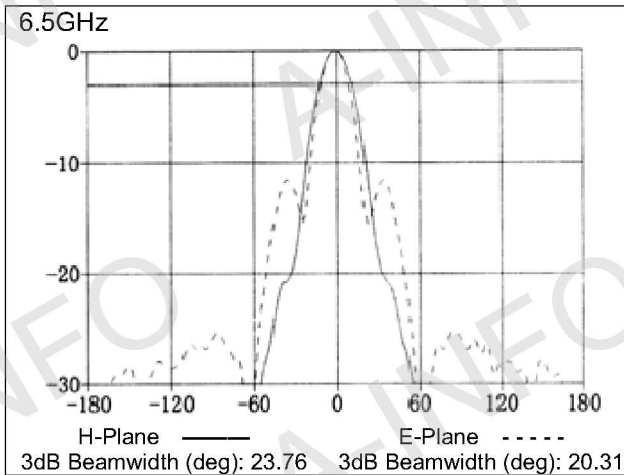
VSWR



Cross Pol. Isolation



Pattern



Multi Octave Horn Antenna 7.5~18.0GHz

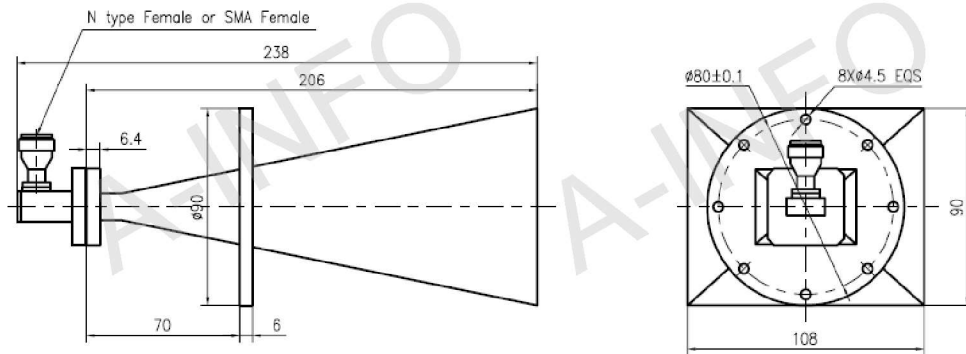
P/N: LB-75180-20



Technical Specification

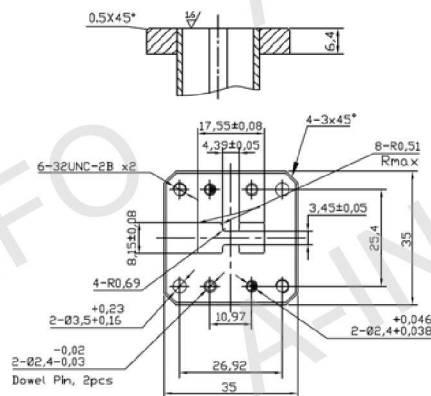
Frequency Range(GHz)	7.5-18.0
Gain(dB)	20 Typ.
Polarization	Linear
VSWR	2.0 Max
Cross Pol. Isolation(dB)	30 Typ.
Waveguide(A Type)	WRD750D24
Adapter(C Type)	750DRWCAN or 750DRWCAS
Connector(C Type)	N-Female or SMA-Female
Size(mm)	A Type: 108x90x206 / C Type: 108x90x238
Net Weight(Kg)	A Type: 0.4 Around / C Type: 0.5 Around

Outline Drawing (Size: mm)

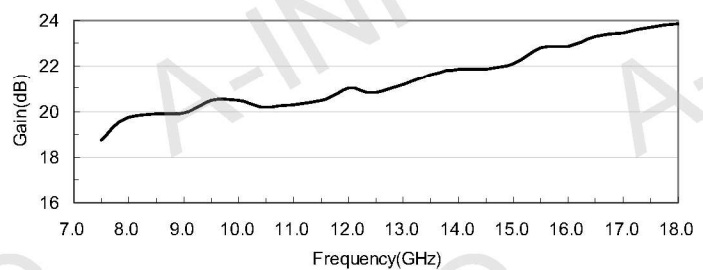


Flange Drawing (Size: mm)

FPWRD750D24
(With two through mounting holes
and two screws holes)



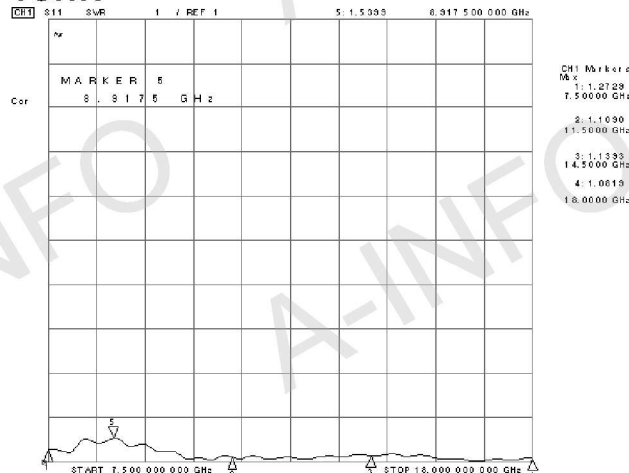
Gain



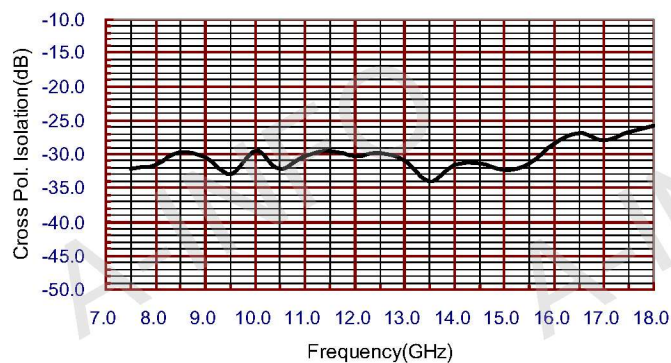
Multi Octave Horn Antenna 7.5~18.0GHz(continued)

P/N: LB-75180-20

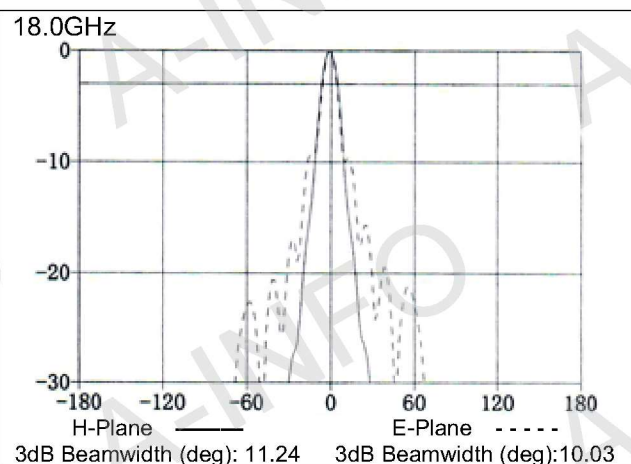
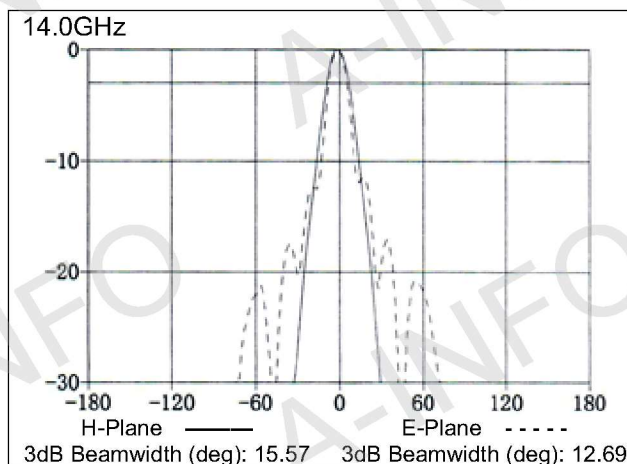
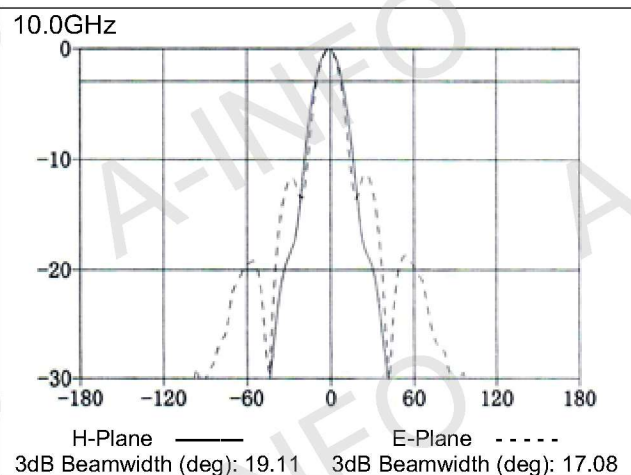
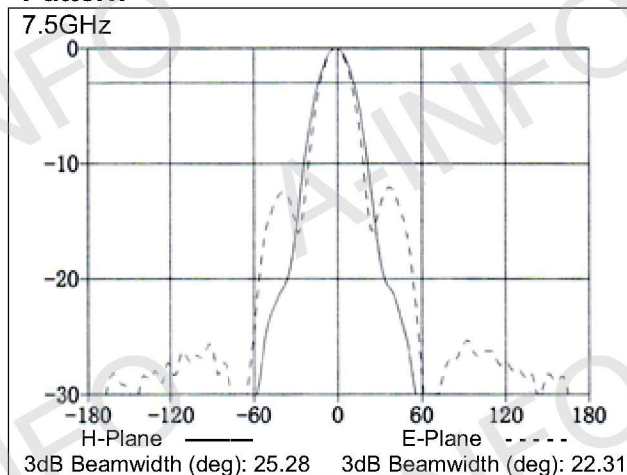
VSWR



Cross Pol. Isolation



Pattern



Multi Octave Horn Antenna 18.0~40.0GHz

P/N: LB-180400-25



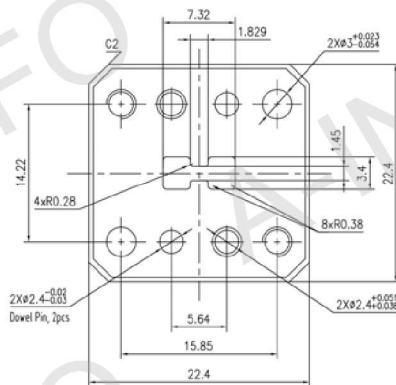
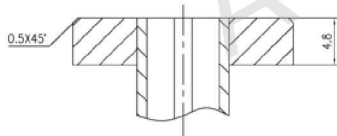
Technical Specification

Frequency Range(GHz)	18.0-40.0
Gain(dBic)	25 Typ.
Polarization	Linear
Cross Pol. Isolation(dB)	40 Typ.
VSWR	2.0:1 Max.
Output	A Type: FPWRD180C24 C Type: 2.92mm (K)-Female or 2.4mm-Female
Power Handling(W) CW	10 Max.
Material	Cu
Size(mm)	A Type: 95x95x263 C Type: 95x95x289
Net Weight(Kg)	A Type: 0.54 Around C Type: 0.58 Around

Flange Drawing (Size: mm)

FPWRD180C24

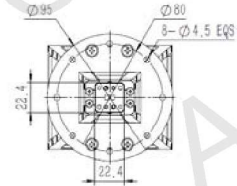
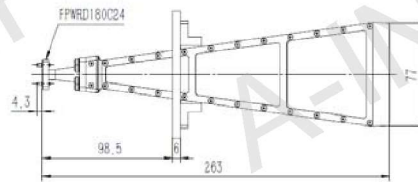
(With two through mounting holes and two screws holes)



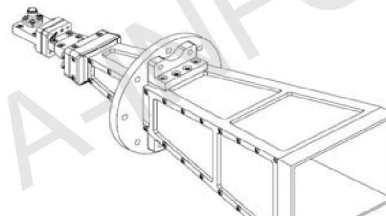
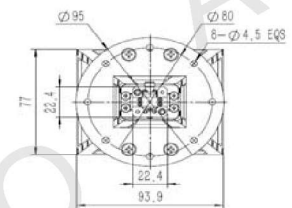
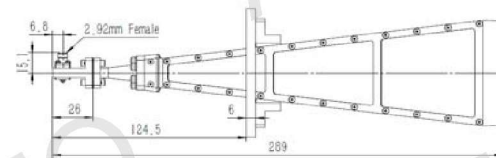
Outline Drawing (Size: mm)

(For 2.4mm-Female output outline drawing, please contact A-INFO.)

A Type(W/ FPWRD180C24 Output)



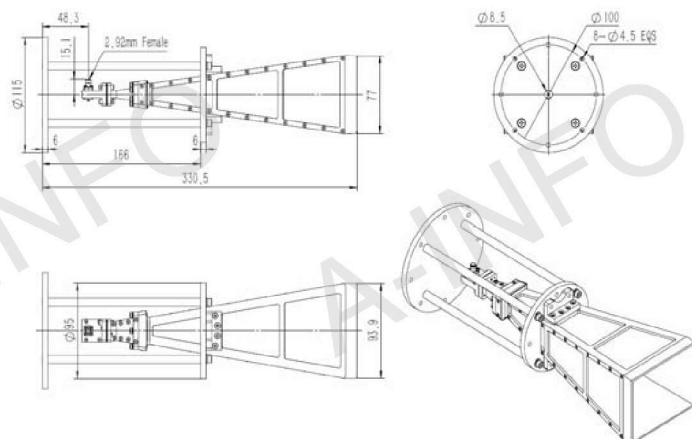
C Type (W/ 2.92mm-Female Output)



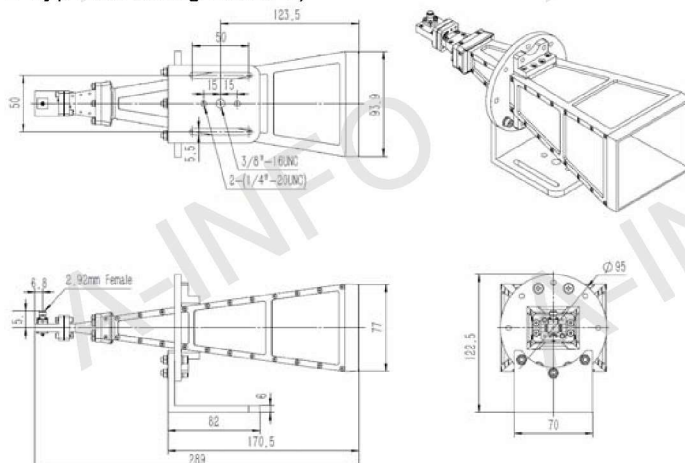
Multi Octave Horn Antenna 18.0~40.0GHz(continued)

P/N: LB-180400-25

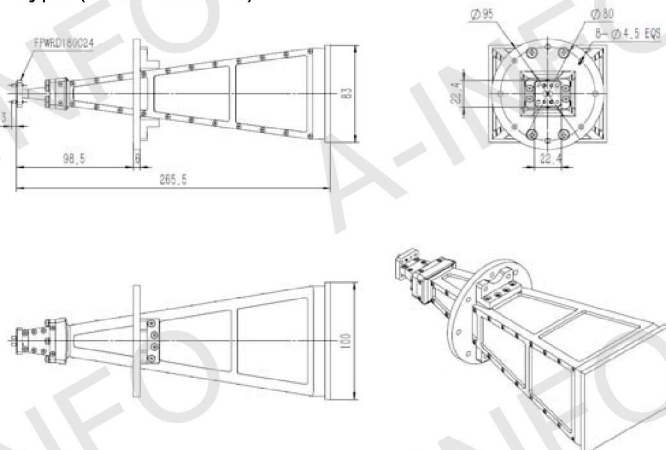
C Type (W/ 2.92mm-Female Output & Round Mounting Bracket)



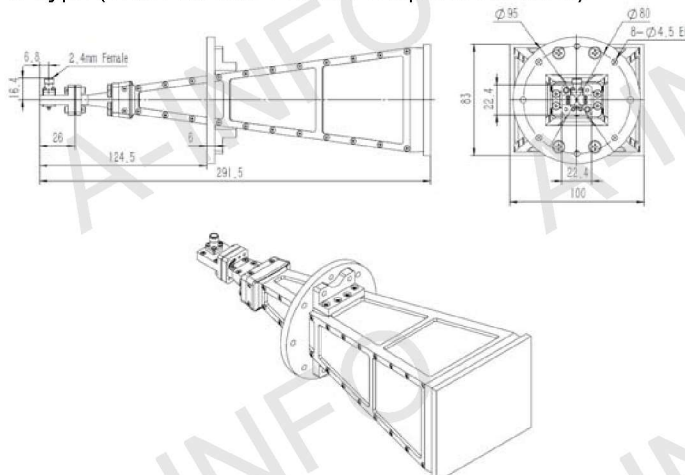
C Type (W/ 2.92mm-Female Output & L Type Mounting Bracket)



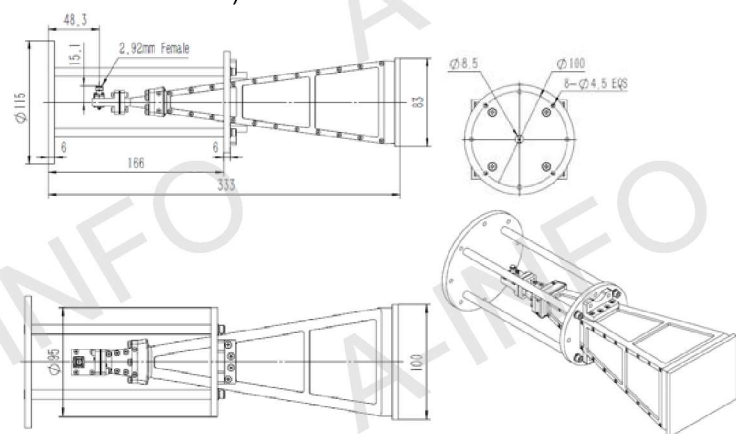
A Type (With Radome)



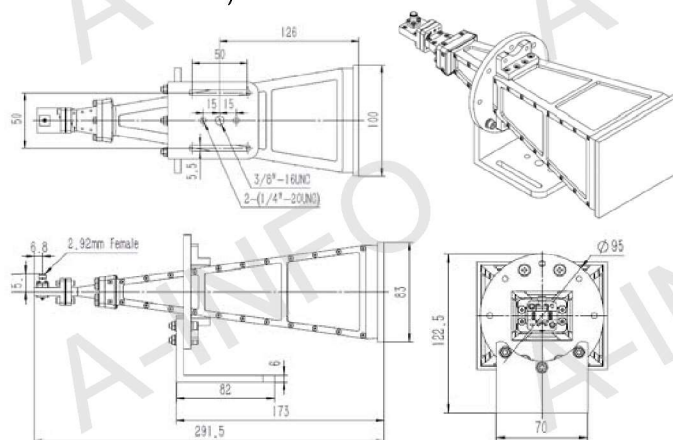
C Type (With 2.92mm-Female Output & Radome)



C Type (With 2.92mm-Female Output & Round Mounting Bracket & Radome)



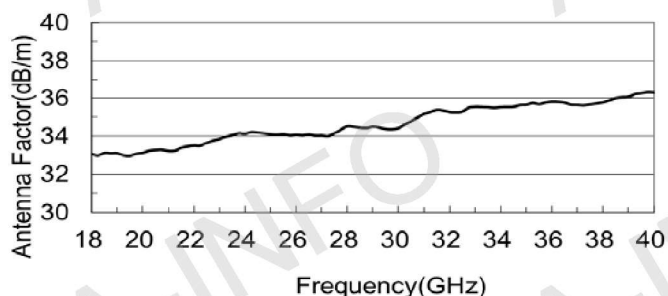
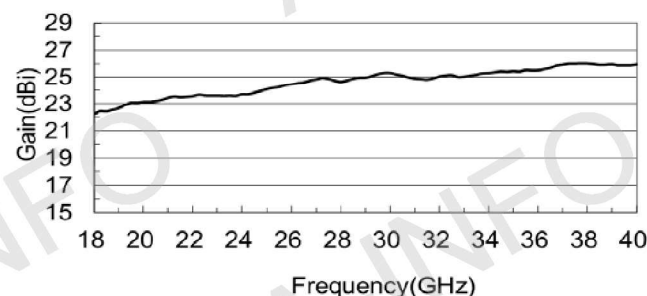
C Type (With 2.92mm-Female Output & Round Mounting Bracket & Radome)



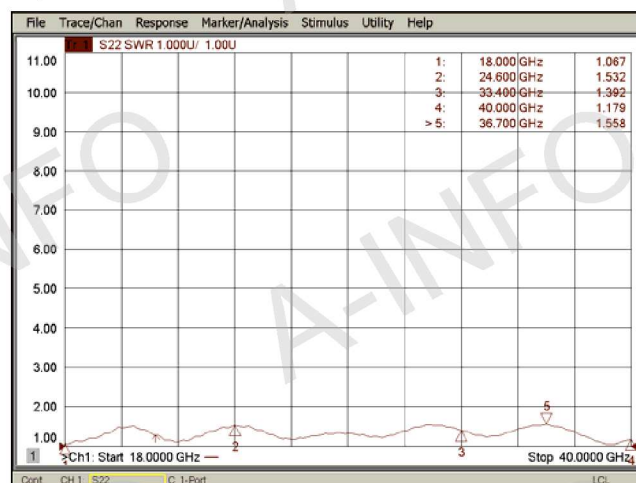
Multi Octave Horn Antenna 18.0~40.0GHz(continued)

P/N: LB-180400-25

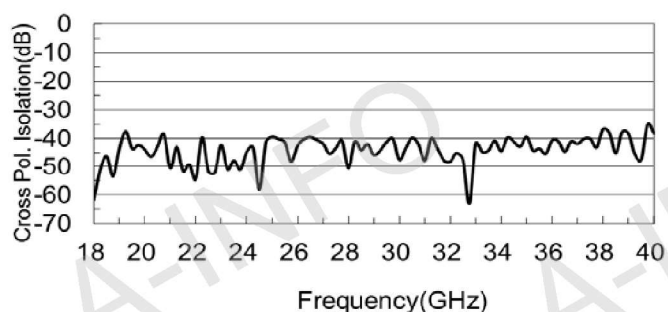
Gain & Antenna Factor



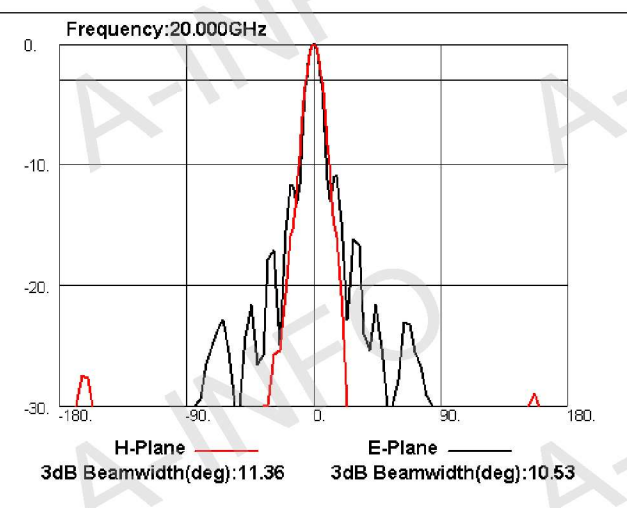
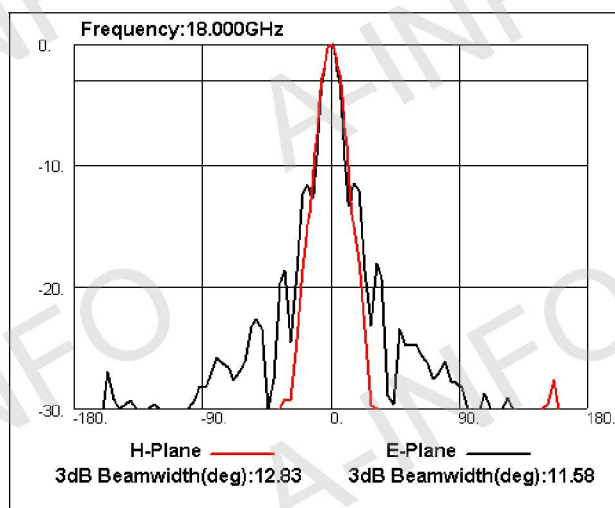
VSWR



Cross Pol. Isolation

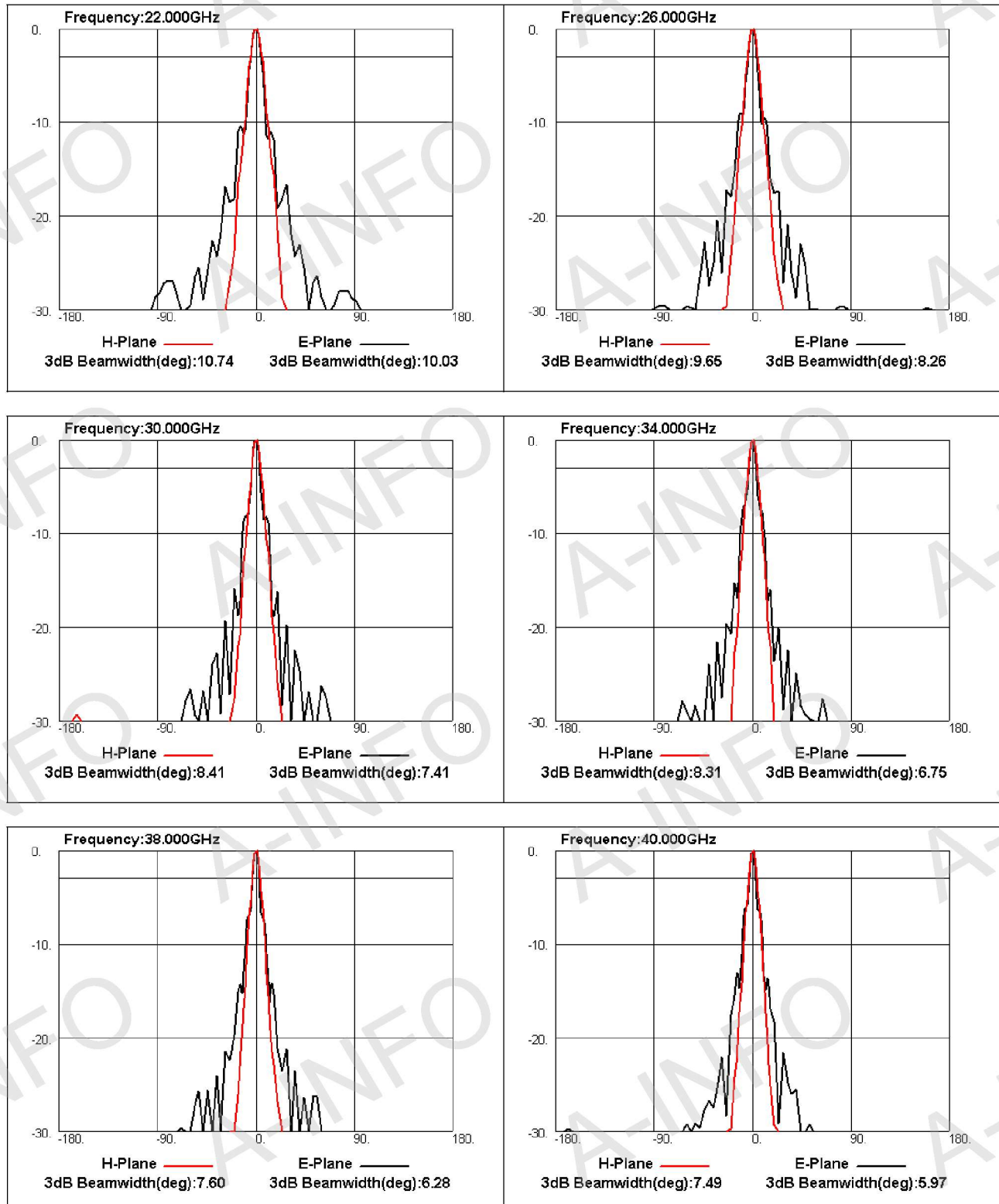


Pattern



Multi Octave Horn Antenna 18.0~40.0GHz(continued)

P/N: LB-180400-25



Dual Polarization Horn Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Dual Pol. Horn Antenna and download.

Model	Freq. (GHz)	Pol.	Gain (dB) Typ.	VSWR Typ.	Cross Pol. Isolation (dB) Min	Connector	Power Handling (W) CW Max	Size (mm) Approx.
LB-SJ-10100-SF	1.0-10.0	Dual	10	1.5	20	SMA-F	50	204x204x211
LB-SJ-10100-NF	1.0-10.0	Dual	10	1.5	20	N-F	50	204x204x211
LB-SJ-20180-SF	2.0-18.0	Dual	15	2.0	20	SMA-F	25	112x112x187
LB-SJ-40180-SF	4.0-18.0	Dual	15	2.0	20	SMA-F	25	118x118x187
LB-SJ-50500-2.4F	5.0-50.0	Dual	12	1.5	20	2.4mm-F	10	77.6x44.5x44.5
LB-SJ-50500-1.85F	5.0-50.0	Dual	12	1.5	20	1.85mm-F	5	77.6x44.5x44.5
LB-SJ-60180-SF	6.0-18.0	Dual	12	2.0	20	SMA-F	25	43.1x43.1x79.5
LB-SJ-60245-SF	6.0-24.5	Dual	14	2.0	20	SMA-F	25	43x43x79.5
LB-SJ-180400-KF	18.0-40.0	Dual	15	2.0	20	2.92mm(K)-F	10	34.9x34.9x61.5
LB-SJ-180400-2.4F	18.0-40.0	Dual	15	2.0	20	2.4mm-F	10	34.9x34.9x61.5

Dual Polarization Horn Antenna 1.0~10.0GHz

P/N: LB-SJ-10100

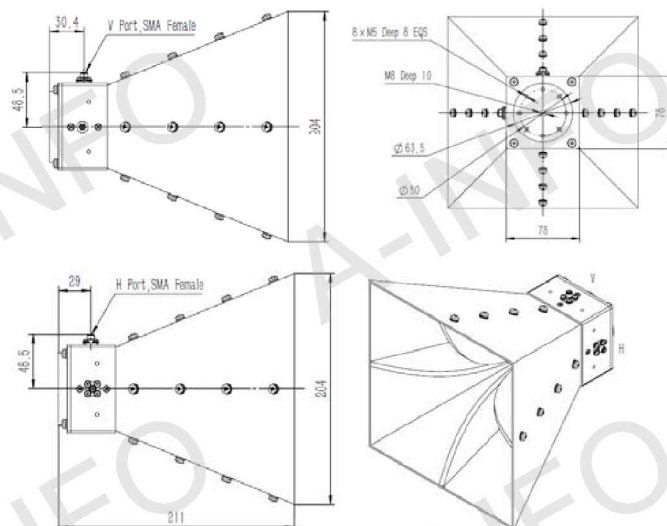


Technical Specification

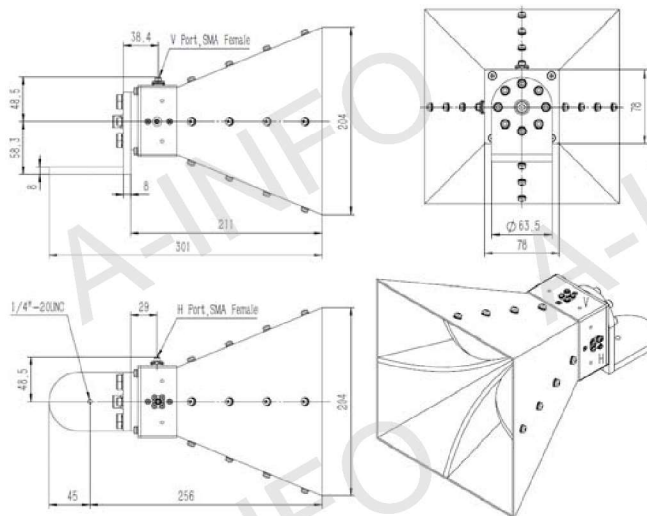
Frequency Range(GHz)	1 - 10
Gain(dBi)	10 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	80-10
Cross Pol. Isolation(dB)	18 Min.
Port to Port Isolation(dB)	20 Min
VSWR	1.5 :1 Typ. / 2.5 :1 Max
Output	SMA-Female/N-Female
Power Handling(W) CW	SMA-Female: 50 Max. CW N-Female: 50 Max. CW
Material	Al
Size(mm)	204 x 204 x 211
Net Weight(Kg)	1.7 Around

Outline Drawing (Size: mm) For N type Female output outline drawing, please contact A-INFO.

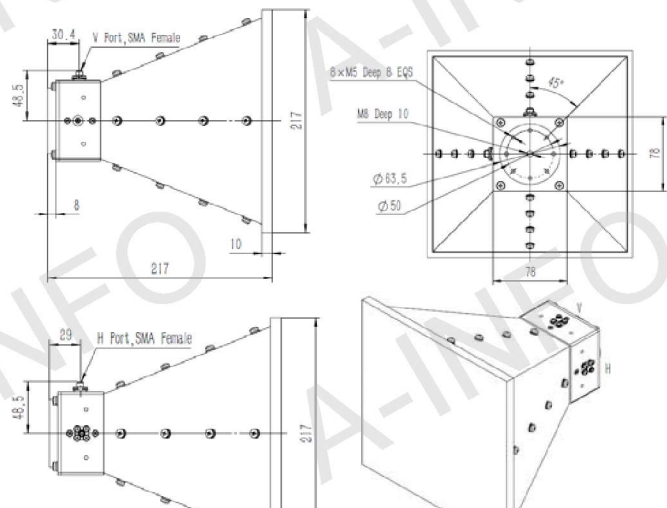
SMA Female Output



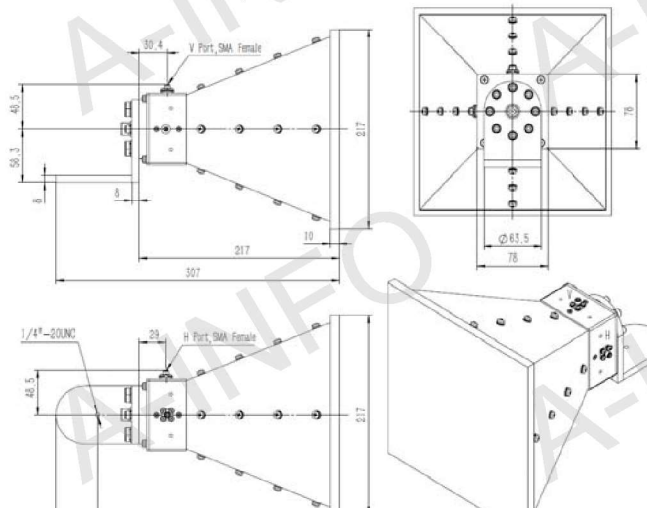
SMA Female Output with L type mounting bracket



SMA Female Output with Radome



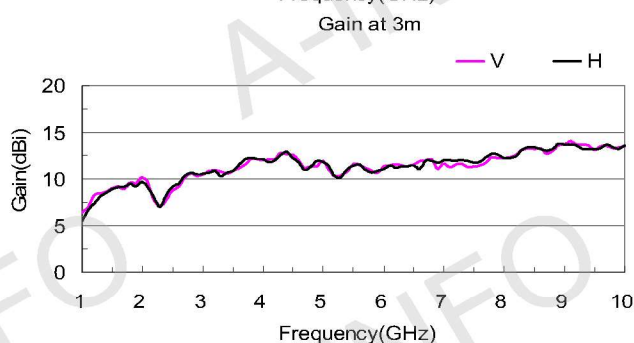
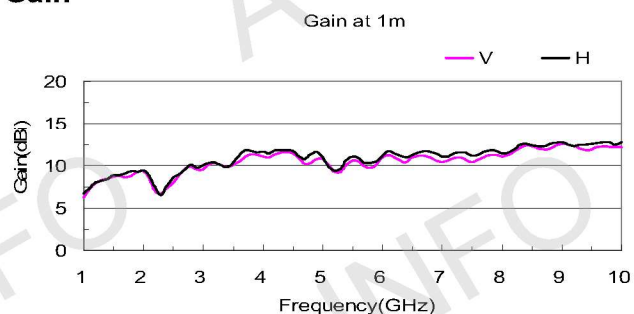
SMA-F Output w/ L type mounting bracket & Radome



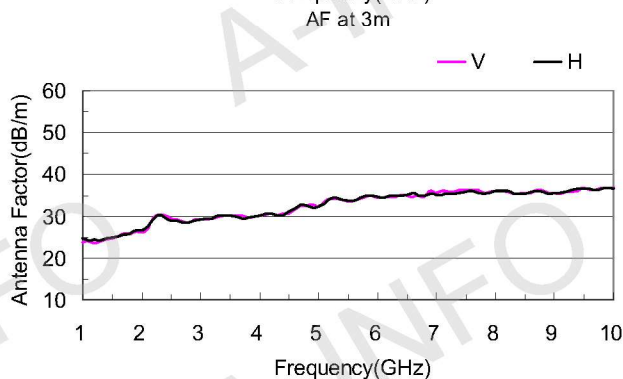
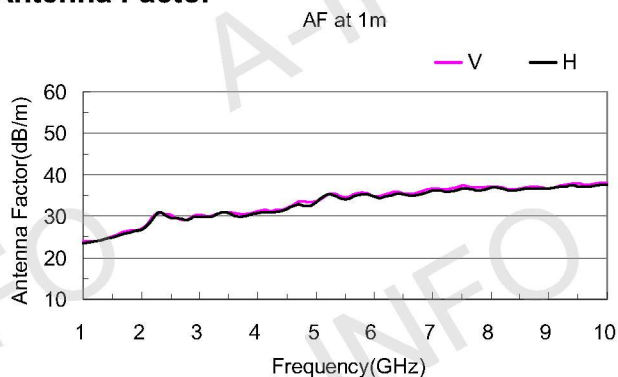
Dual Pol. Horn Antenna 1.0-10.0GHz(continued)

P/N: LB-SJ-10100

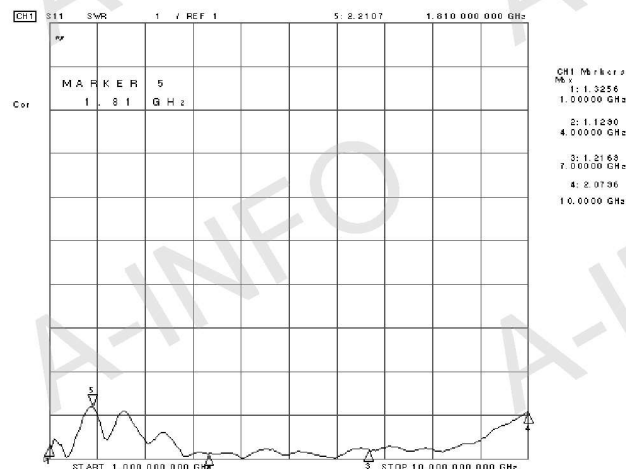
Gain



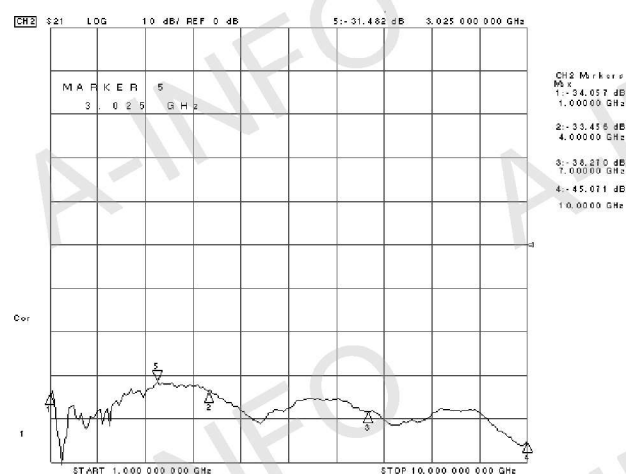
Antenna Factor



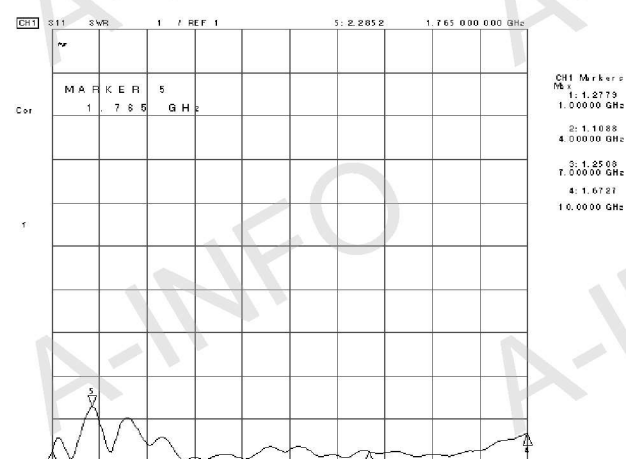
VSWR(Port-V)



VSWR(Port-H)



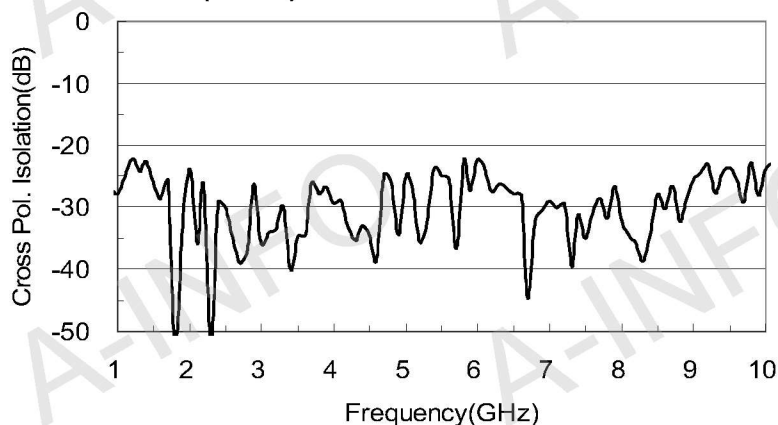
Port to Port Isolation



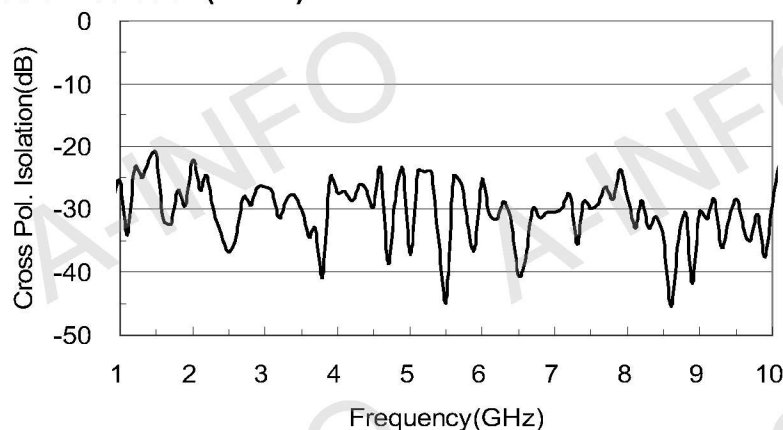
Dual Pol. Horn Antenna 1.0-10.0GHz(continued)

P/N: LB-SJ-10100

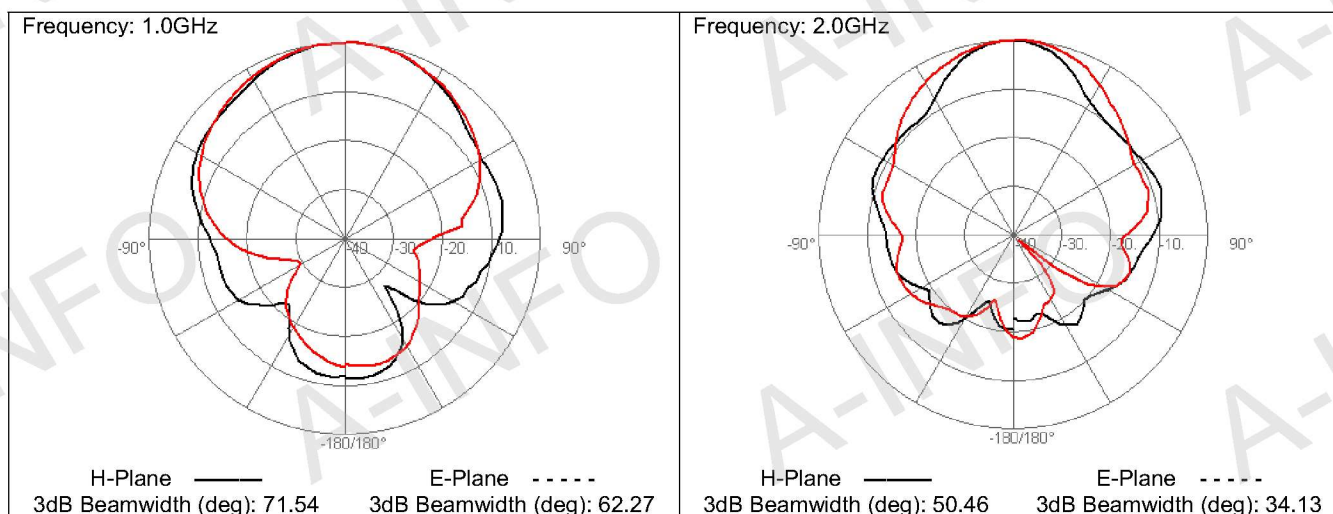
Cross Polarization Isolation(Port-V)



Cross Polarization Isolation(Port-H)



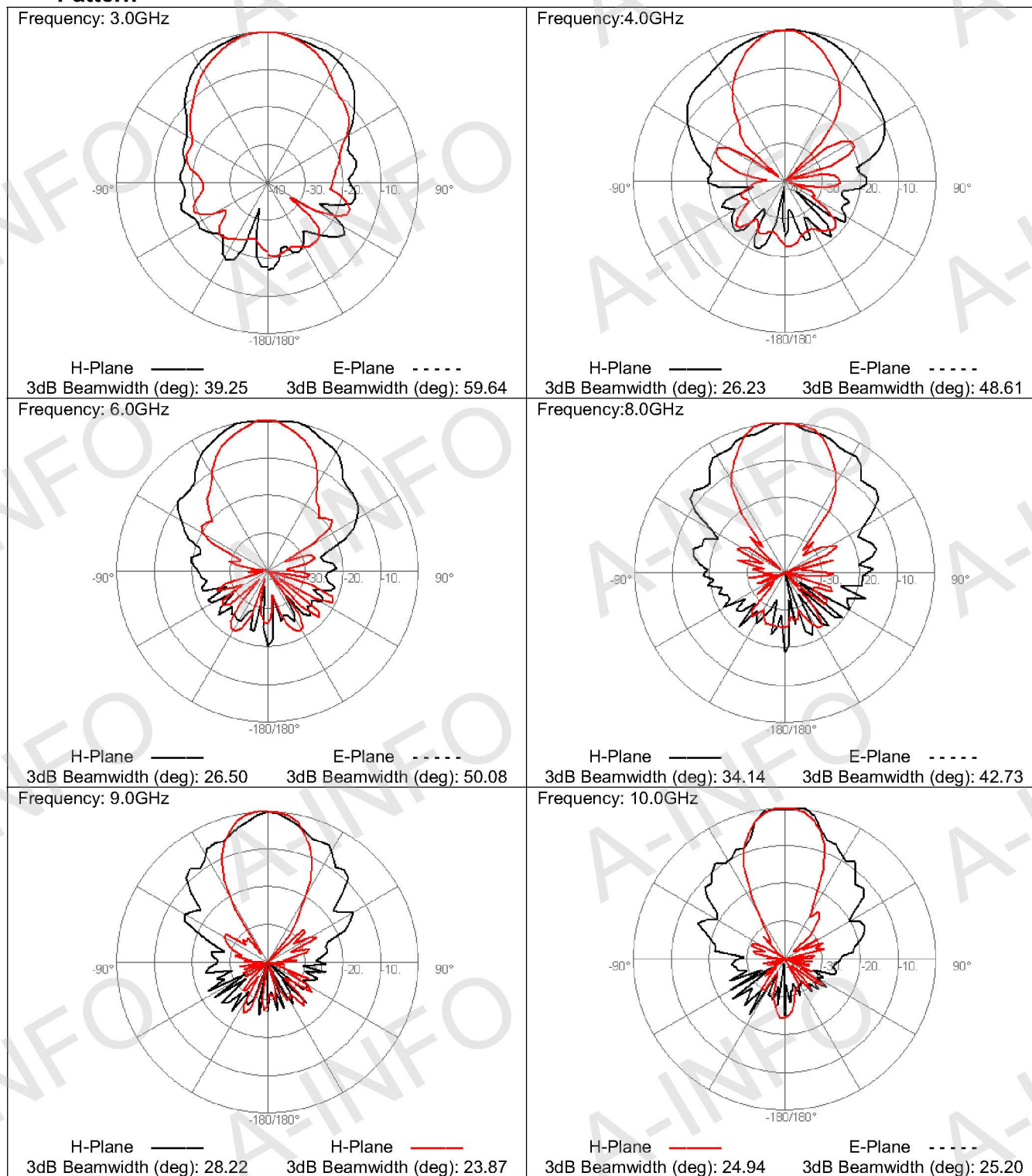
Pattern



Dual Pol. Horn Antenna 1.0-10.0GHz(continued)

P/N: LB-SJ-10100

Pattern



Dual Polarization Horn Antenna 2.0~18.0GHz

P/N: LB-SJ-20180

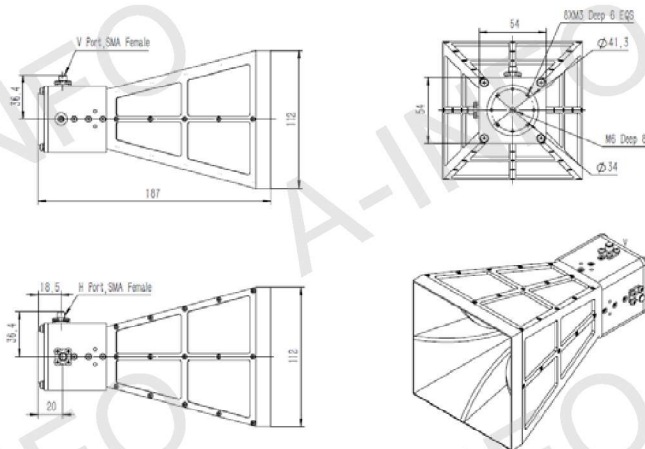


Technical Specification

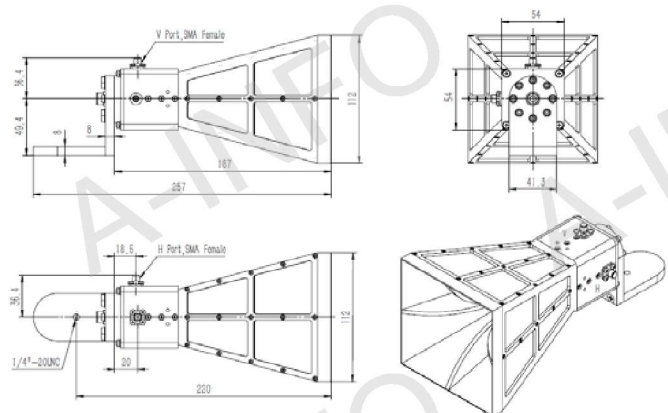
Frequency Range(GHz)	2 - 18
Gain(dB)	15 Typ.
Polarization	Dual Pol.
VSWR	2.0:1 Typ. 3.0:1 Max
3dB Beamwidth(deg)	80-10
Port to Port Isolation(dB)	30 Min
Cross Pol. Isolation(dB)	20 Min
Connector	SMA -Female
Power Handling(W) CW	25 Max
Size(mm)	112 x 112 x 187
Net Weight(Kg)	0.68 Around

Outline Drawing (Size:mm)

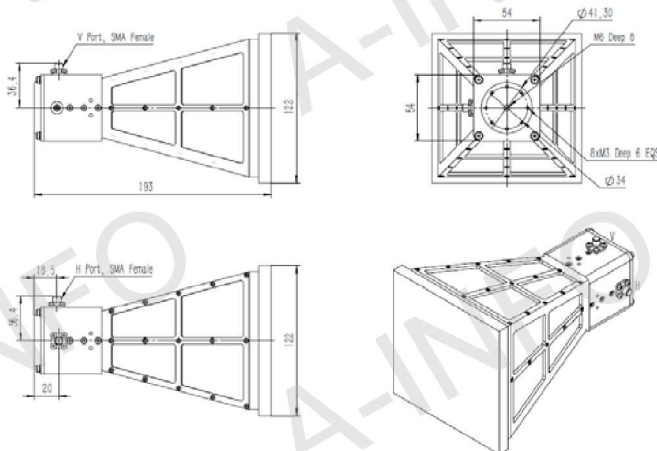
With SMA Female Output



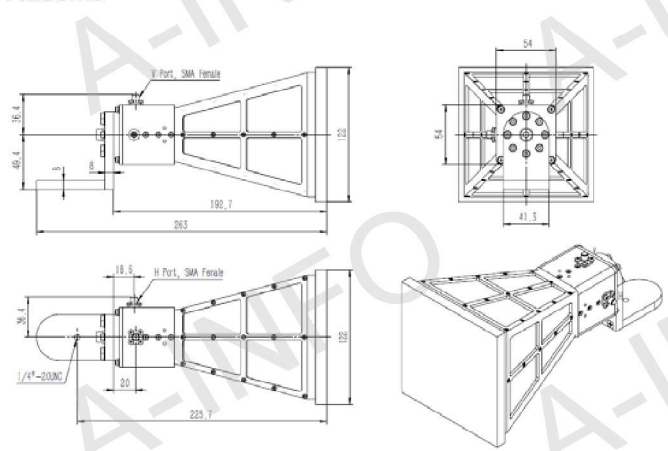
With SMA Female Output & L Type Mounting Bracket



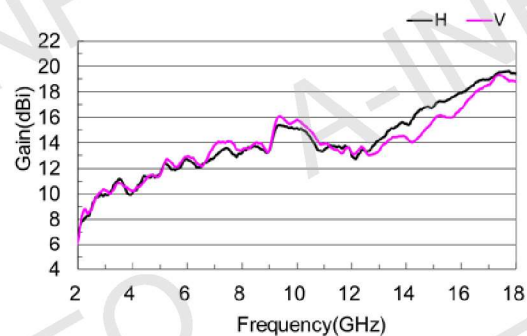
With SMA Female Output & Radome



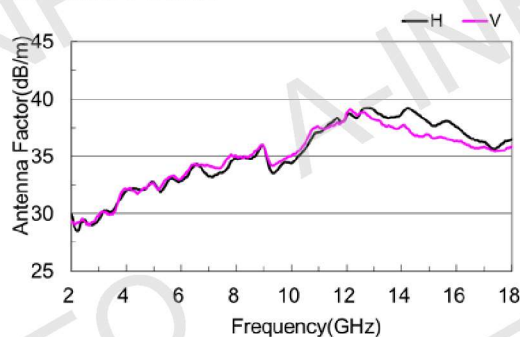
With SMA Female Output, L Type Mounting Bracket & Radome



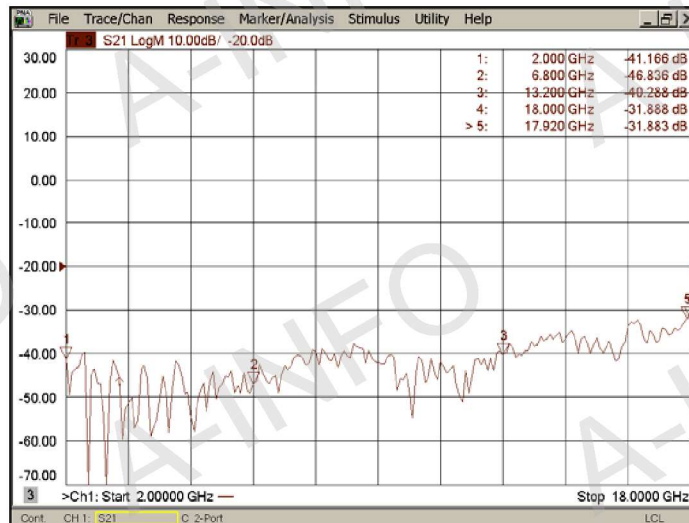
Gain



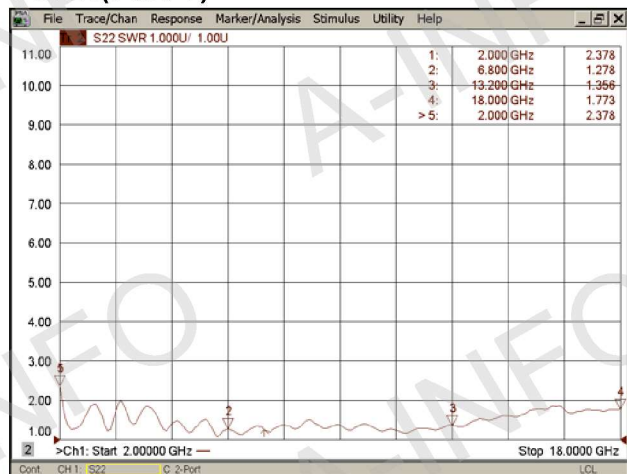
Antenna Factor



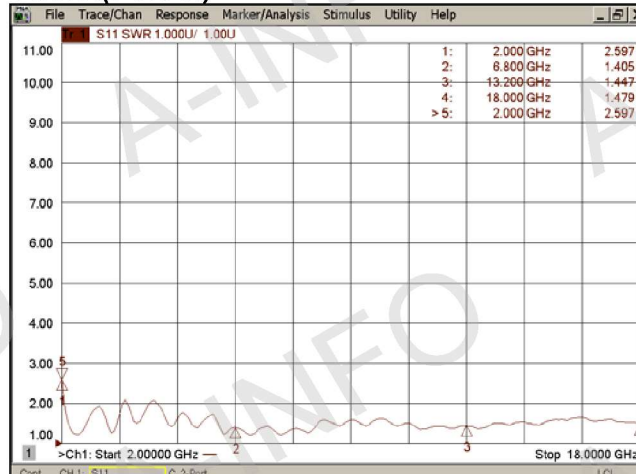
Port to Port Isolation



VSWR(Port-V)

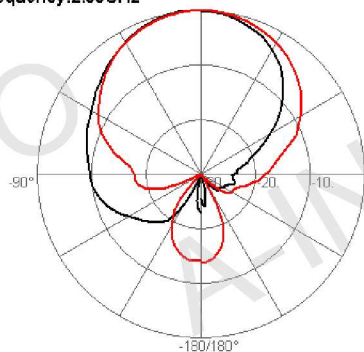


VSWR(Port-H)

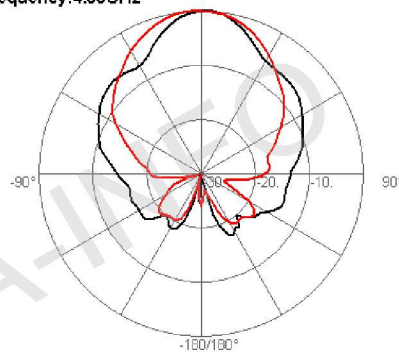


Pattern

Frequency:2.00GHz



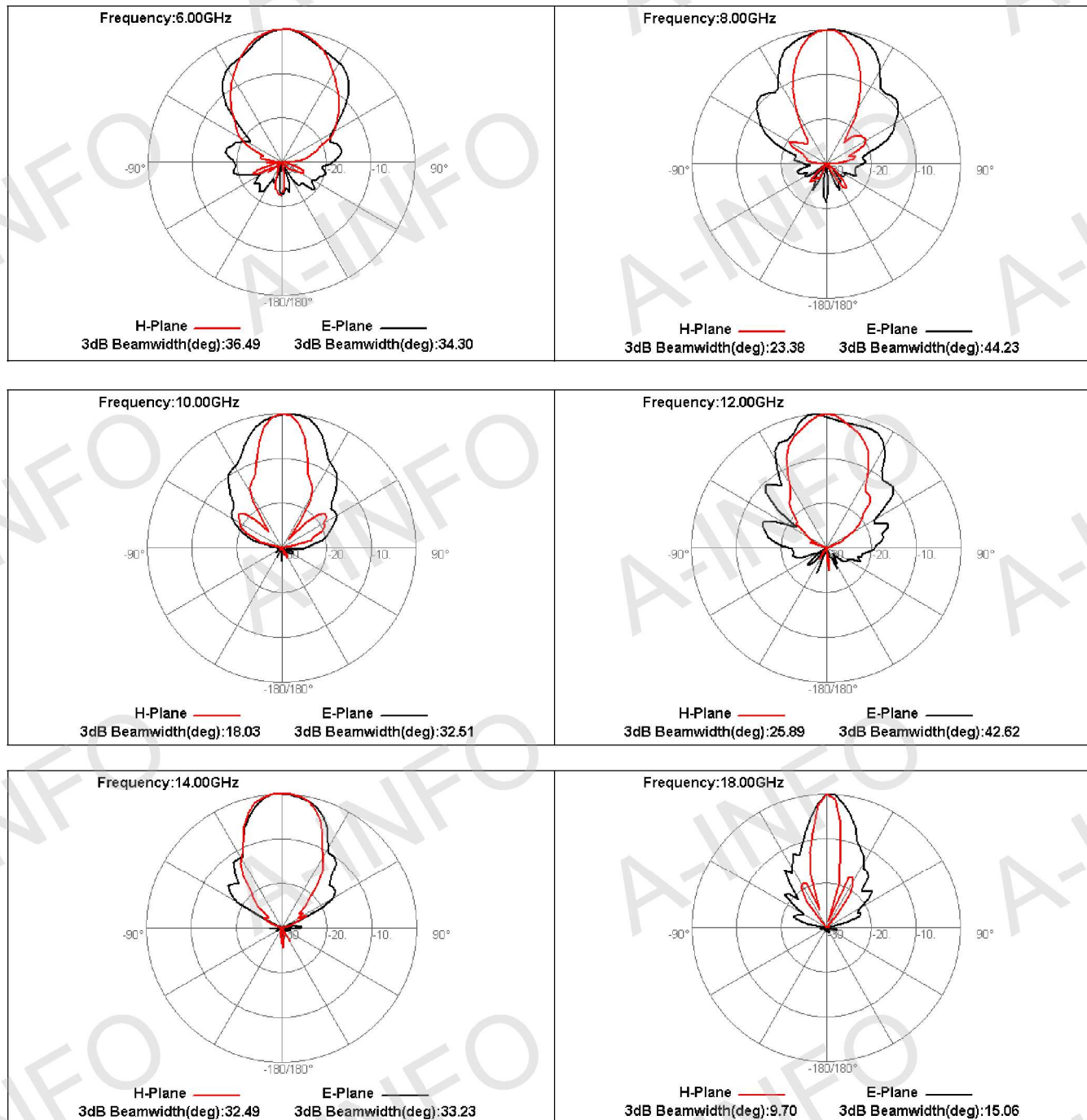
Frequency:4.00GHz



Dual Pol. Horn Antenna 2.0-18.0GHz(continued)

P/N: LB-SJ-20180

Pattern



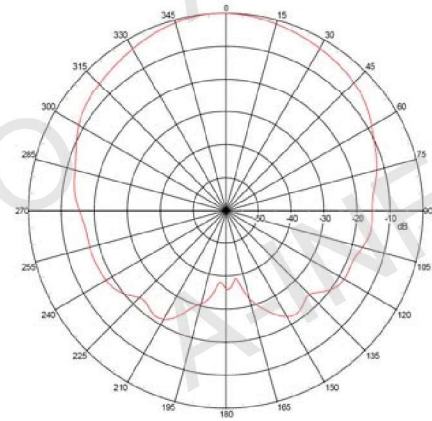
Dual Pol. Horn Antenna 2.0-18.0GHz(continued)

P/N: LB-SJ-20180

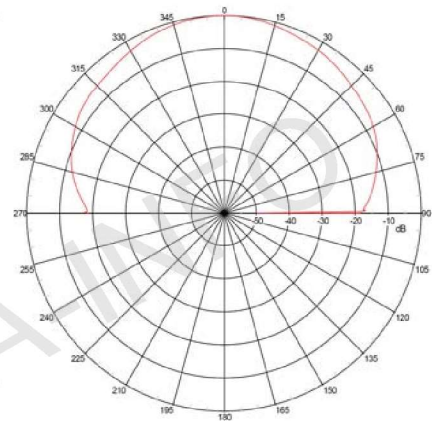
Pattern (Tested by NSI)

Frequency: 2GHz

H-Plane

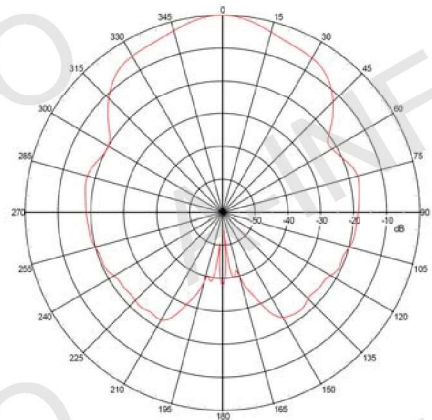


E-Plane

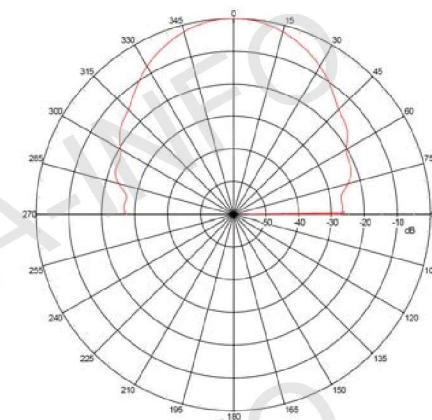


Frequency: 6GHz

H-Plane

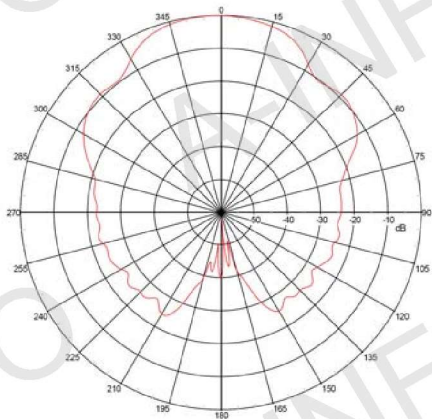


E-Plane

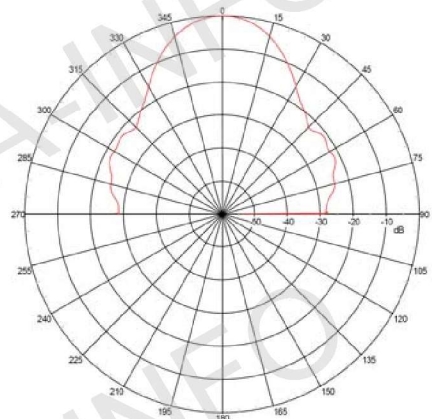


Frequency: 8GHz

H-Plane



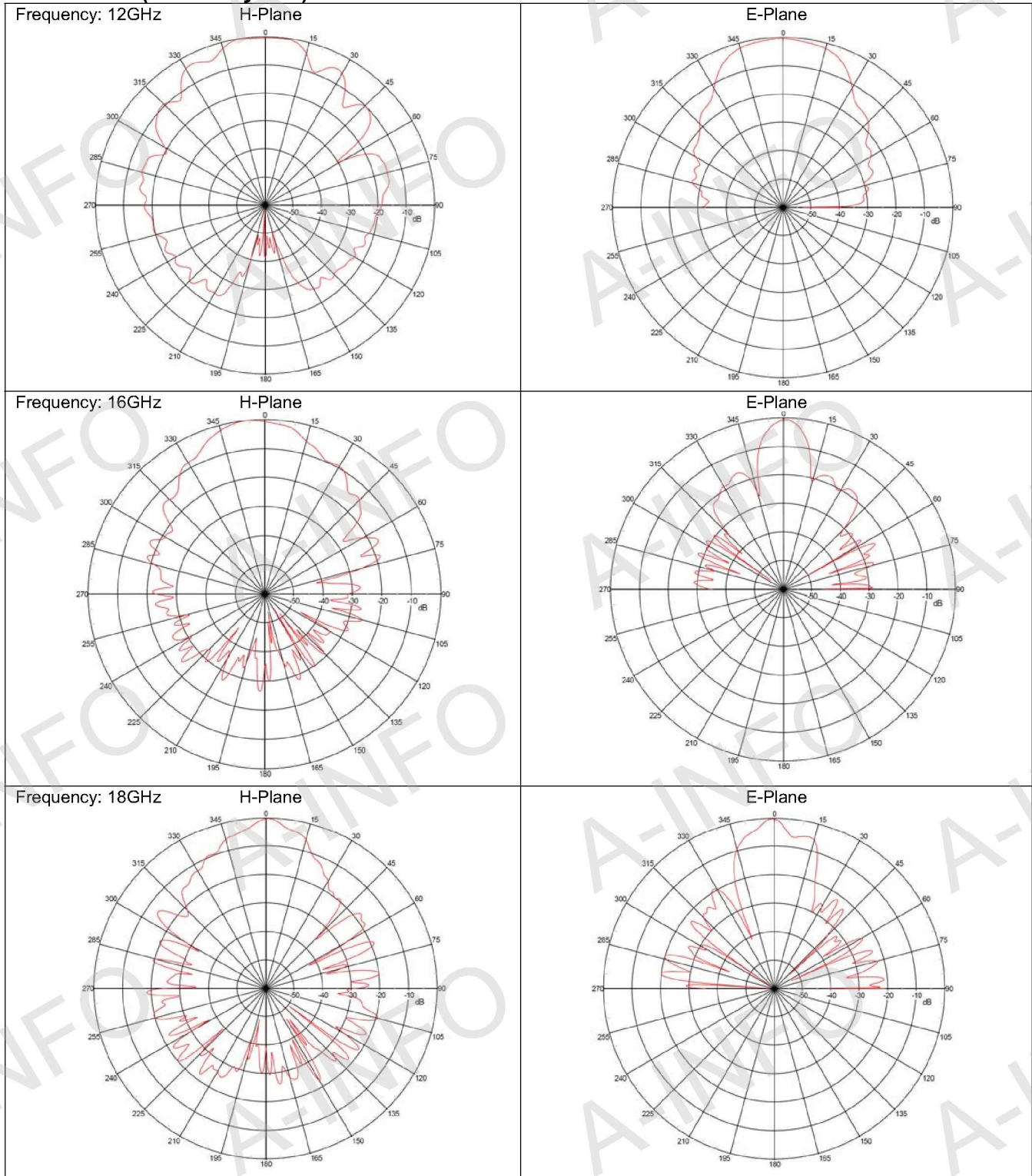
E-Plane



Dual Pol. Horn Antenna 2.0-18.0GHz(continued)

P/N: LB-SJ-20180

Pattern (Tested by NSI)



Broadband Dual Polarization Horn Antenna 5.0~50.0GHz

P/N: LB-SJ-50500

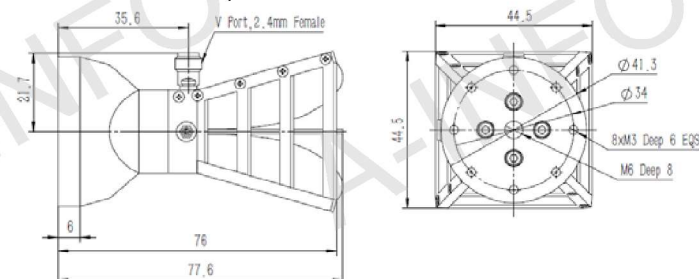


Technical Specification

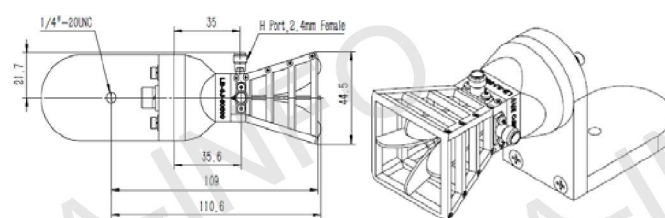
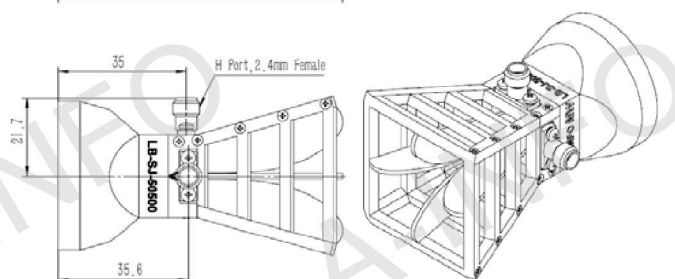
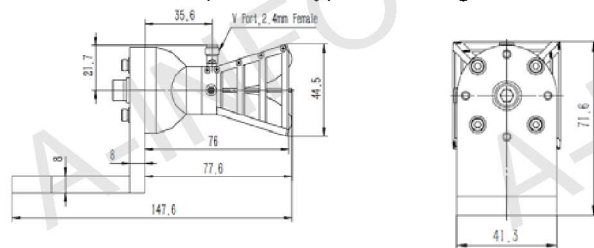
Frequency Range(GHz)	5 - 50
Gain(dBi)	12 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	101-14
Cross Pol. Isolation(dB)	30 Typ.
Port to Port Isolation(dB)	20 Min.
VSWR	1.5:1 Typ. 3.0:1 Max.
Connector	2.4mm-Female/ 1.85mm-Female
Power Handling(W) CW	2.4mm-Female: 10 Max. 1.85mm-Female: 5 Max.
Material	Al
Size(mm)	77.6 x 44.5 x 44.5
Net Weight(Kg)	0.1 Around

Outline Drawing (Size: mm) For 1.85mm Female output outline drawing, please contact A-INFO.

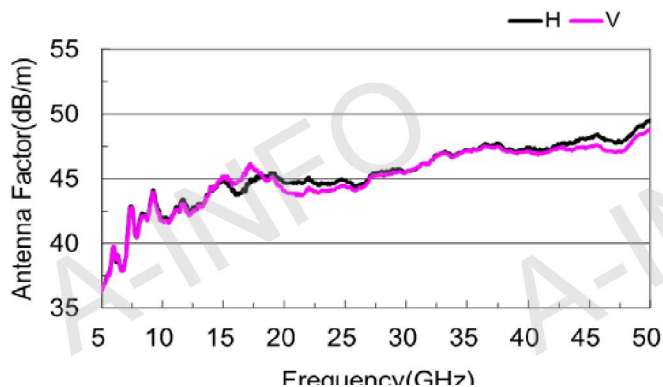
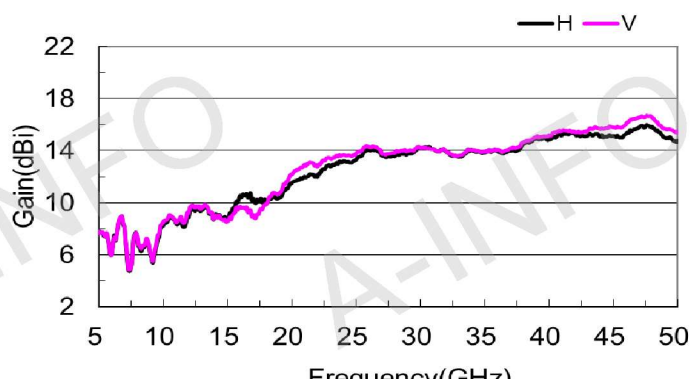
2.4mm Female Output



2.4mm Female Output w/ L type mounting bracket



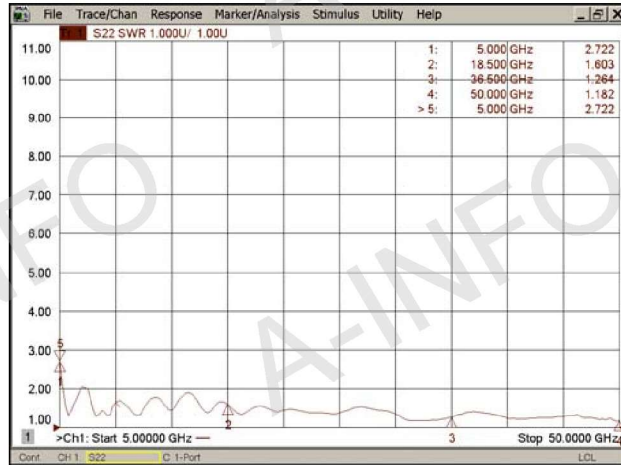
Gain and Antenna Factor



Broadband Dual Pol. Horn Antenna 5.0~50.0GHz(continued)

P/N: LB-SJ-50500

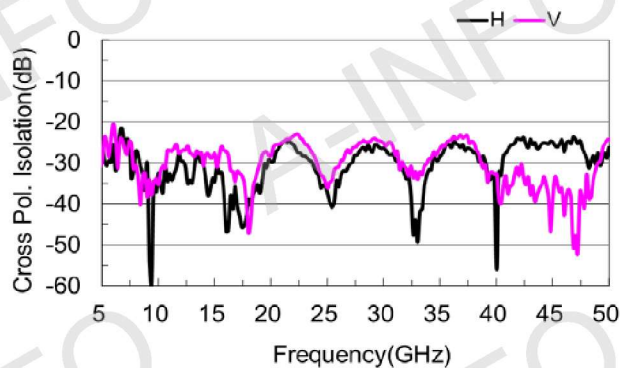
VSWR(Port-V)



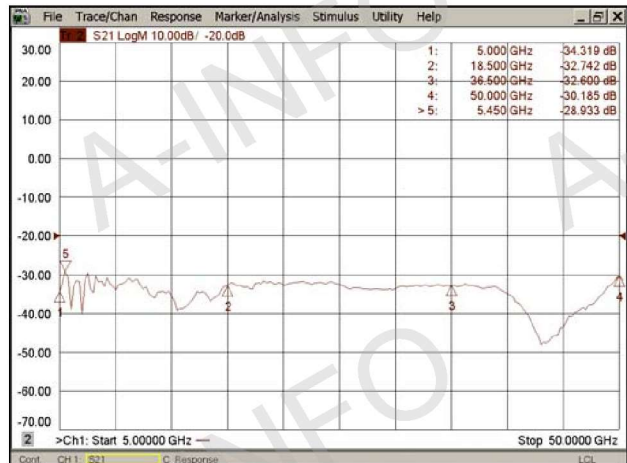
VSWR(Port-H)



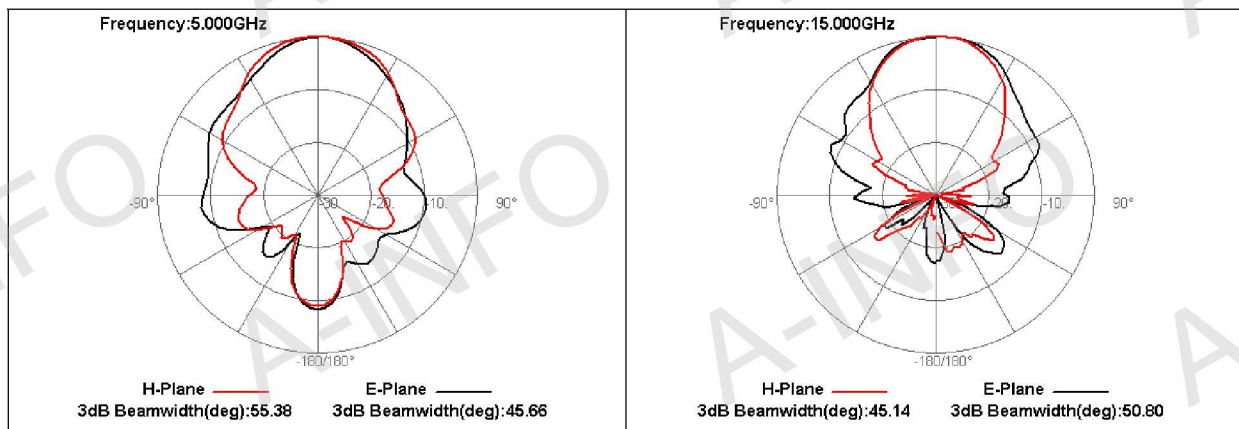
Cross Polarization Isolation



Port to Port Isolation



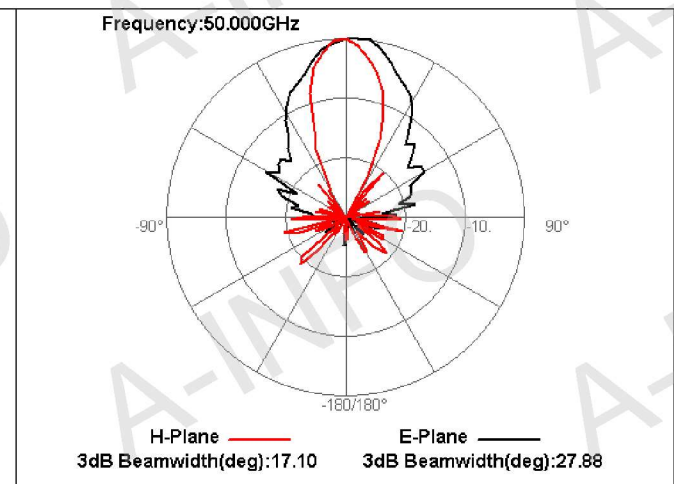
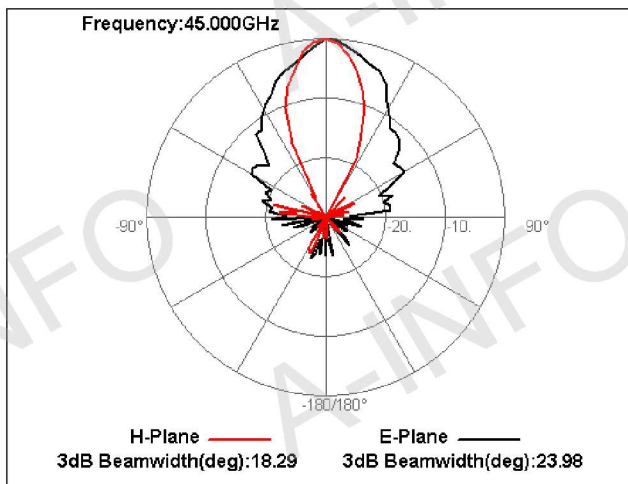
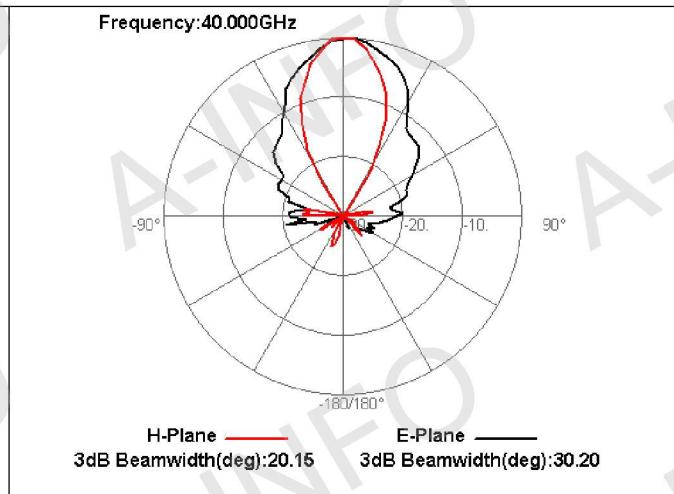
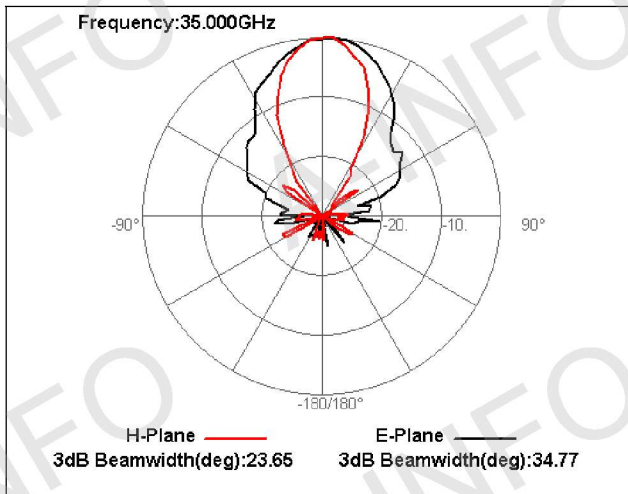
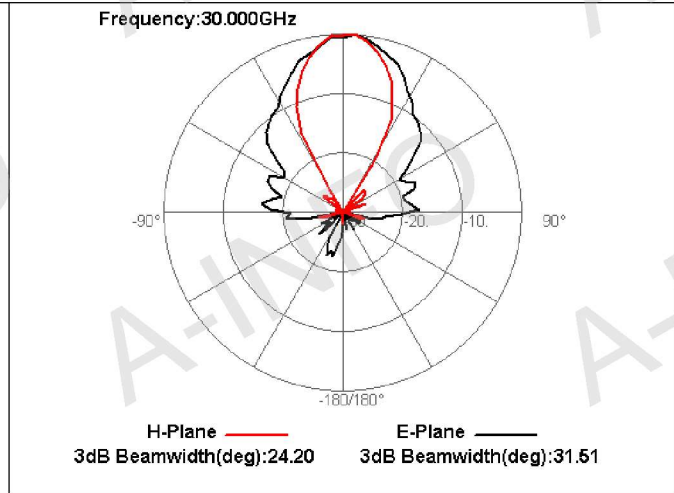
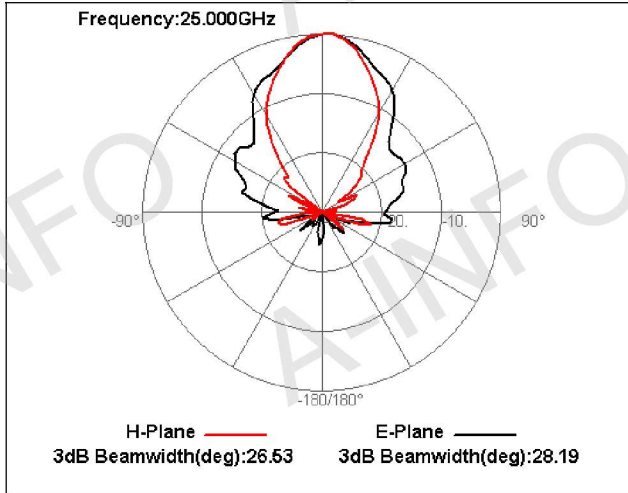
Pattern



Broadband Dual Pol. Horn Antenna 5.0~50.0GHz(continued)

P/N: LB-SJ-50500

Pattern



Dual Polarization Horn Antenna 6.0~18.0GHz

P/N: LB-SJ-60180

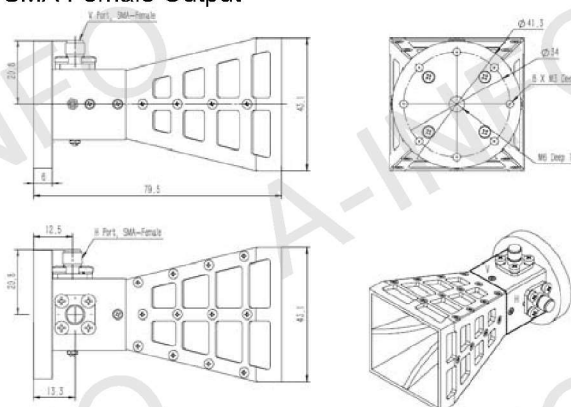


Technical Specification

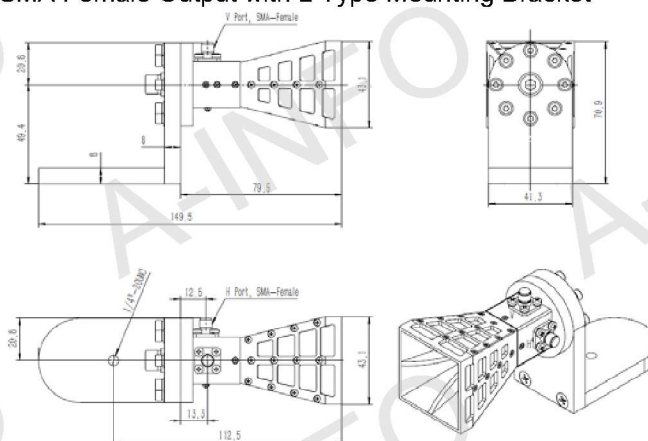
Frequency Range(GHz)	6 - 18
Gain(dB)	12 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	77-24
Cross Pol. Isolation(dB)	30 Typ. 20 Min.
Port to Port Isolation(dB)	30 Min.
VSWR	2.0:1 Typ. 2.5:1 Max.
Connector	SMA -Female
Power Handling(W) CW	25 Max
Material	Al
Size(mm)	43.1x43.1x79.5
Net Weight(Kg)	0.1 Around

Outline Drawing (Size: mm)

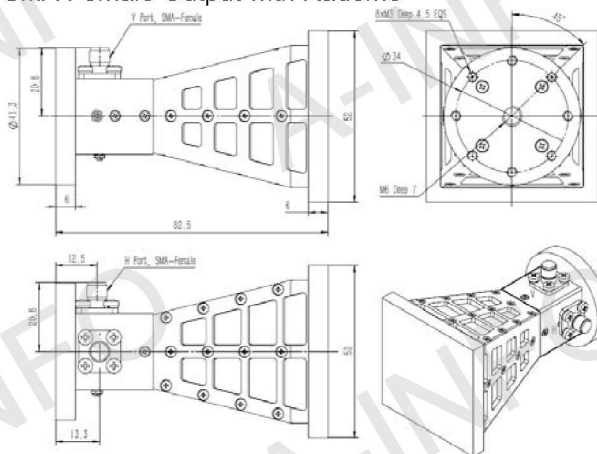
SMA Female Output



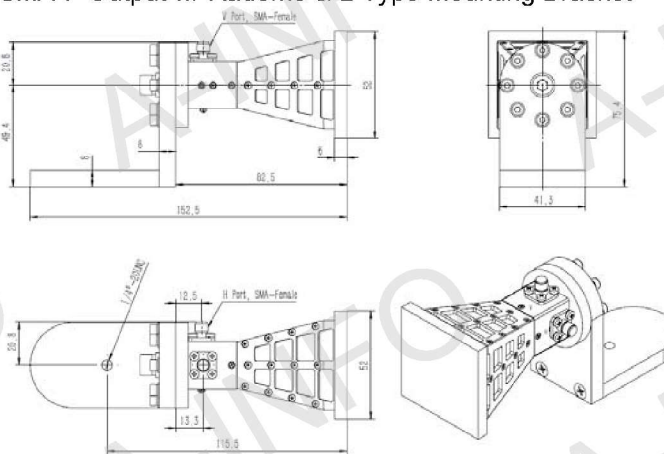
SMA Female Output with L Type Mounting Bracket



SMA Female Output with Radome



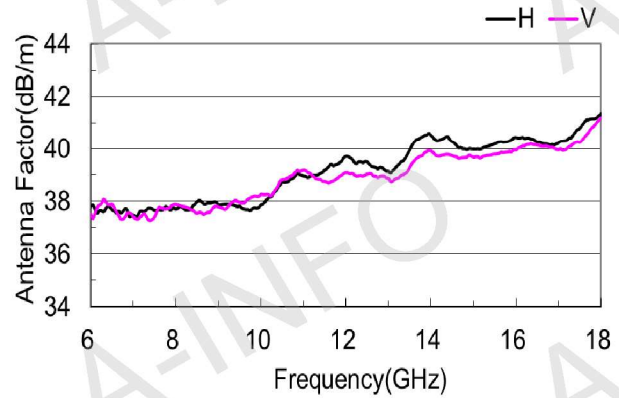
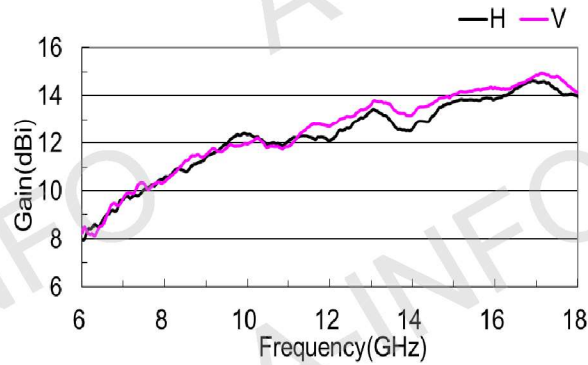
SMA-F Output w/ Radome & L Type Mounting Bracket



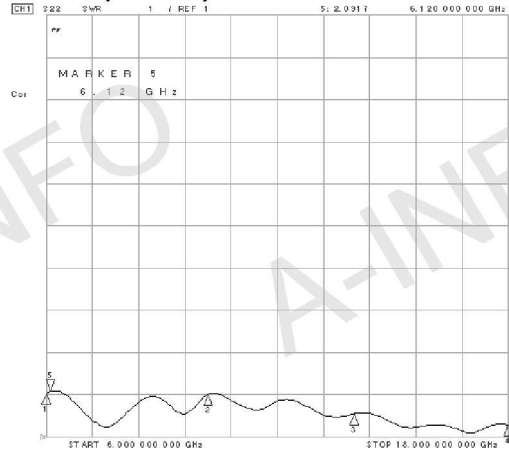
Dual Pol. Horn Antenna 6.0-18.0GHz(continued)

P/N: LB-SJ-60180

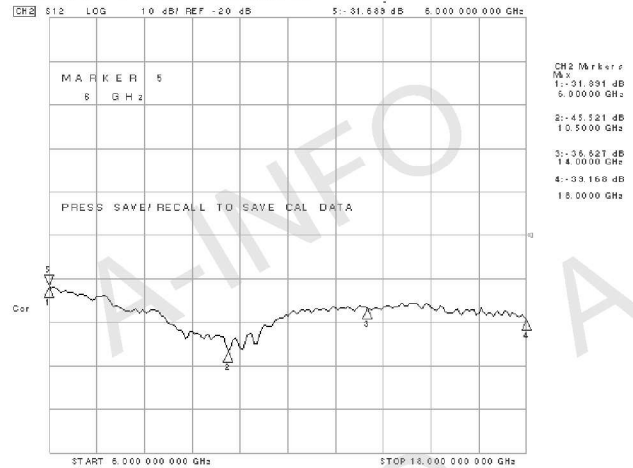
Gain & Antenna Factor



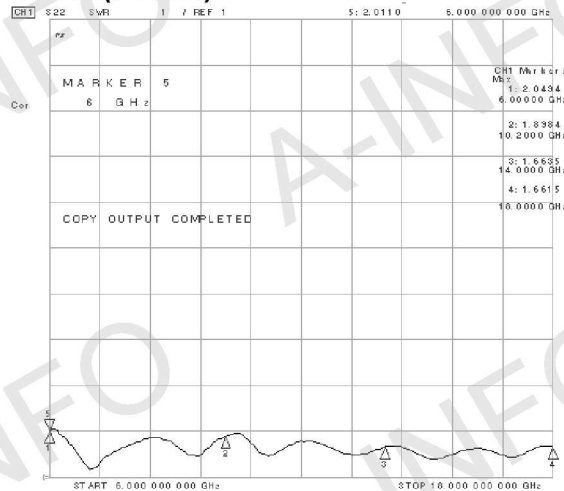
VSWR (Port-V)



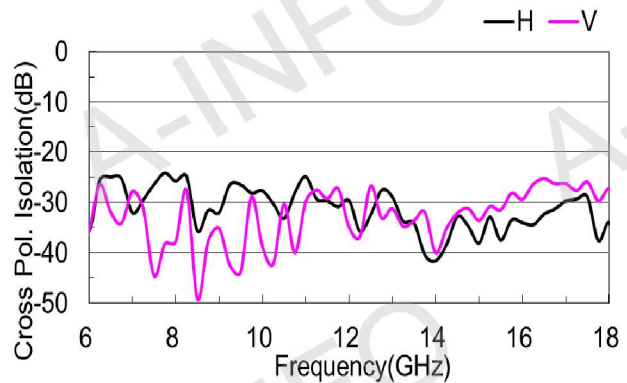
Port to Port Isolation



VSWR (Port-H)



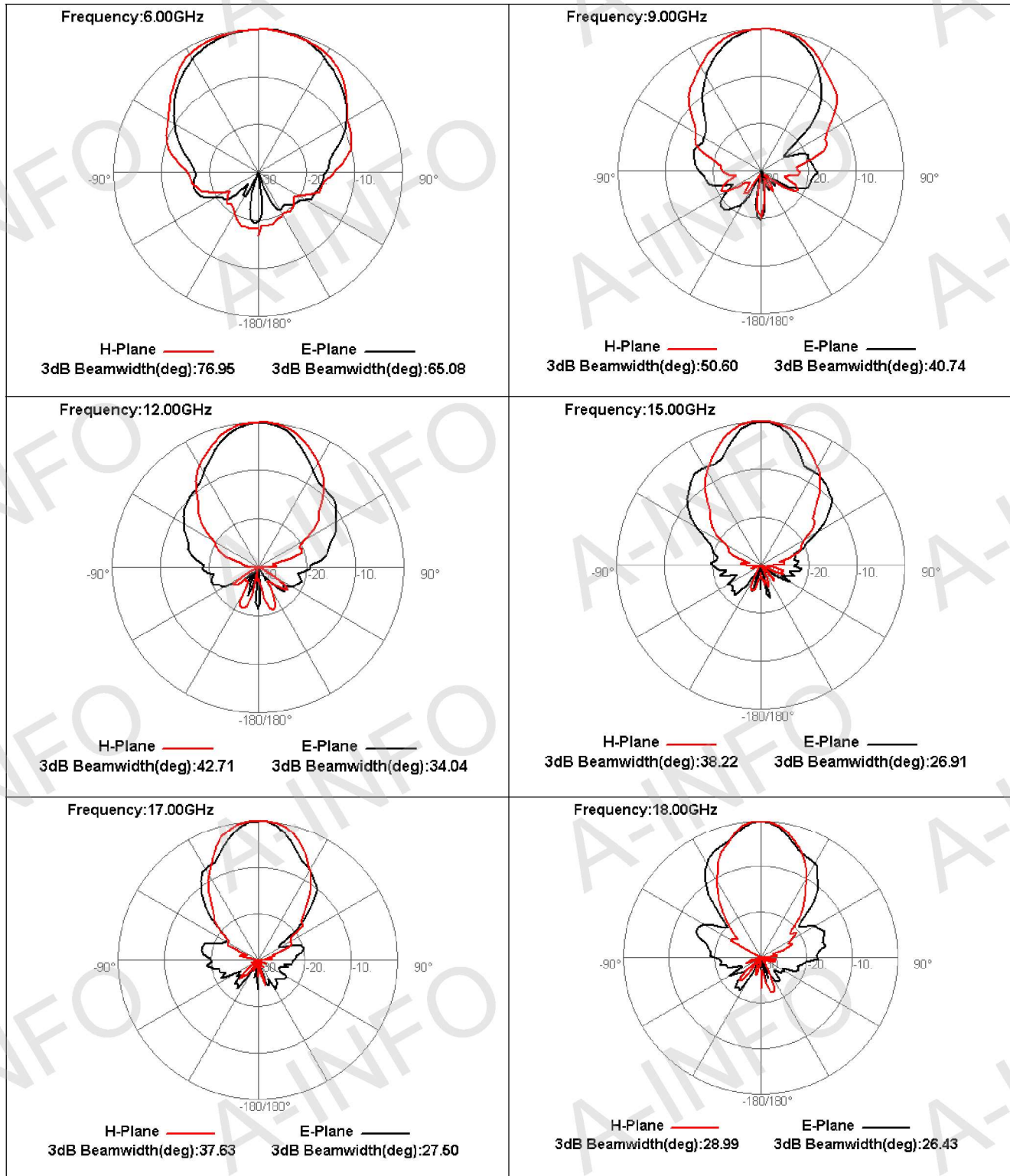
Cross Polarization Isolation



Dual Pol. Horn Antenna 6.0-18.0GHz(continued)

P/N: LB-SJ-60180

Pattern



Broadband Dual Polarization Horn Antenna 18.0~40.0GHz

P/N: LB-SJ-180400

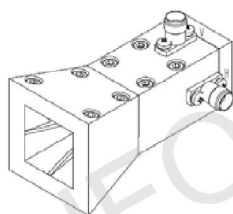
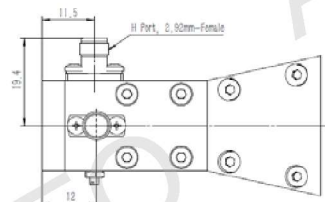
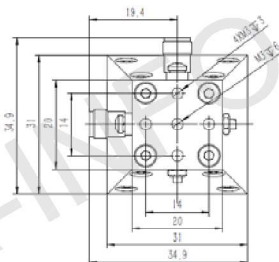
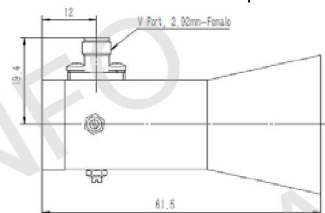


Technical Specification

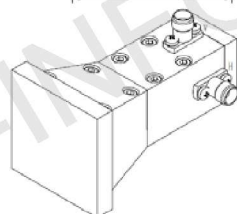
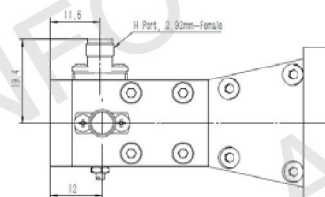
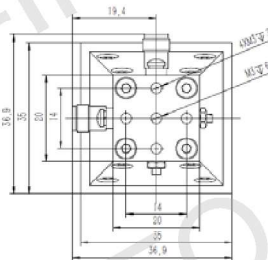
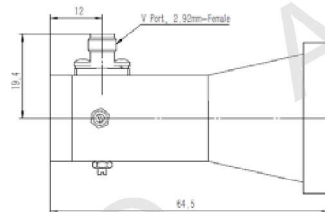
Frequency Range(GHz)	18 - 40
Gain(dB)	15 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	55-20
Cross Pol. Isolation(dB)	20 Min./ 30 Typ.
Port to Port Isolation(dB)	20 Min.
VSWR	2.0:1 Typ. 3.0:1 Max.
Connector	2.92mm-Female/ 2.4mm-Female
Power Handling(W) CW	10 Max.
Material	Cu
Size(mm)	34.9 x 34.9 x 61.5
Net Weight(Kg)	0.25 Around

Outline Drawing (Size: mm) For 2.4mm Female output outline drawing, please contact A-INFO.

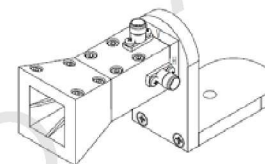
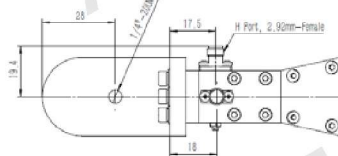
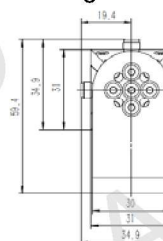
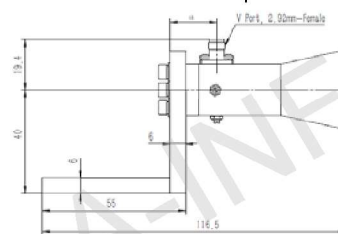
2.92mm-Female Output



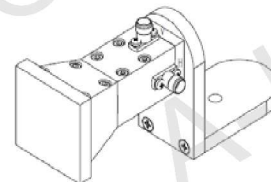
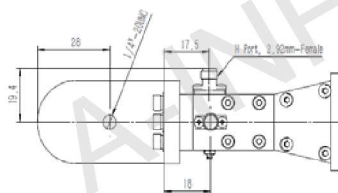
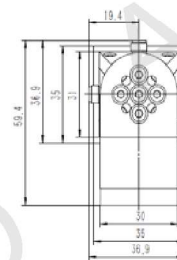
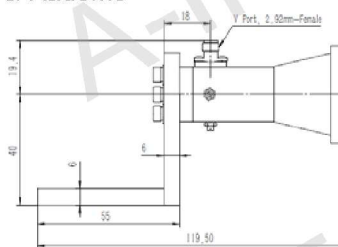
2.92mm Female Output with Radome



2.92mm Female Output with L type mounting bracket



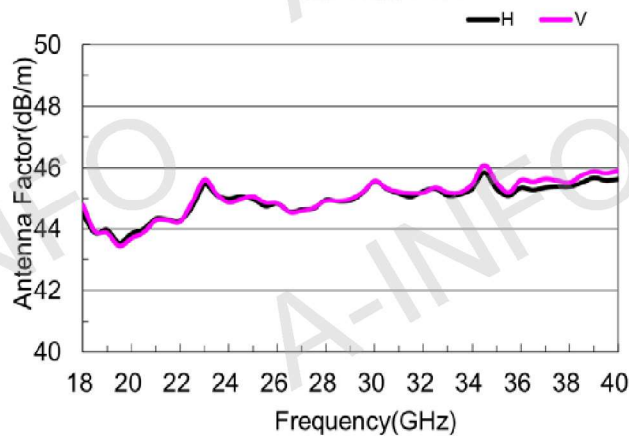
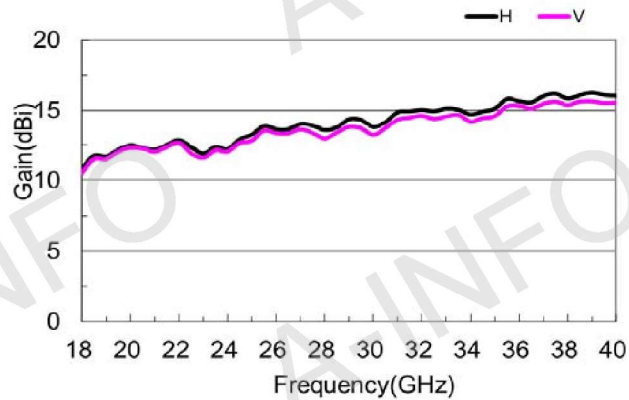
2.92mm Female Output with L type mounting bracket
& Radome



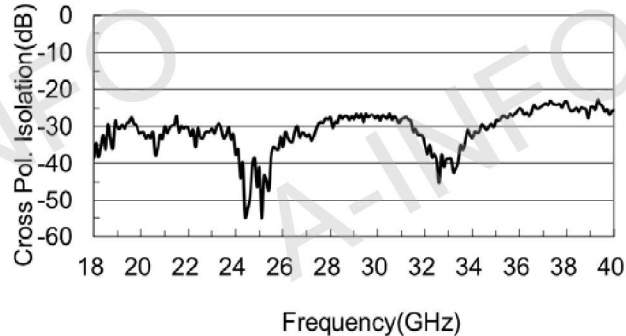
Broadband Dual Pol. Horn Antenna 18.0-40.0GHz(continued)

P/N: LB-SJ-180400

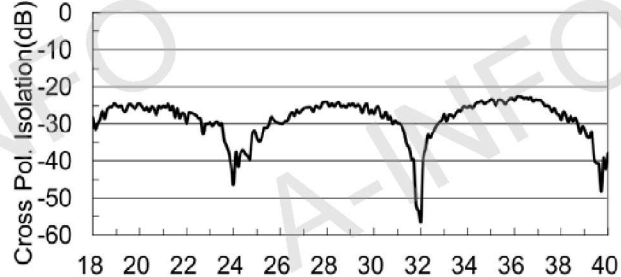
Gain & Antenna Factor



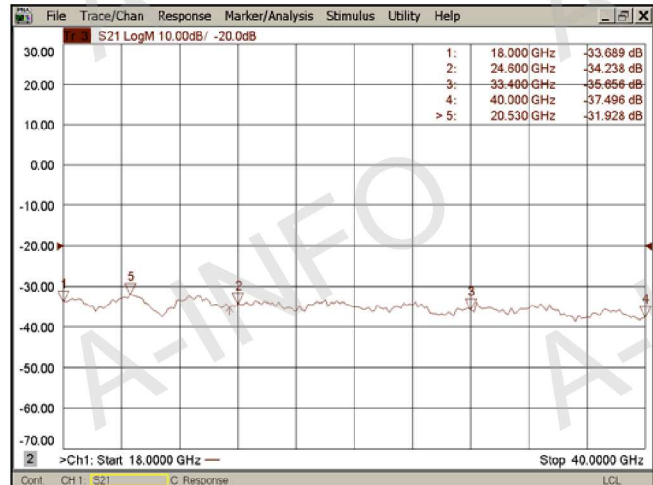
Cross Polarization Isolation (Port-V)



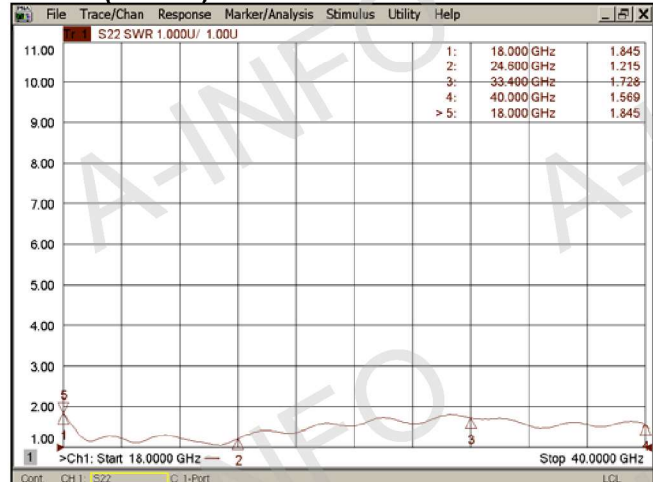
Cross Polarization Isolation (Port-H)



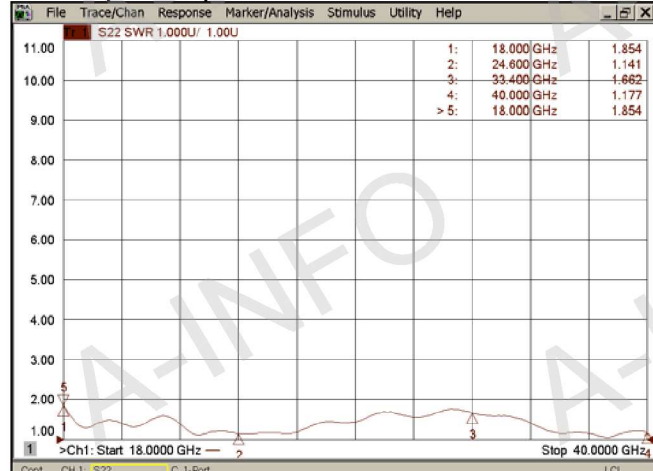
Port to Port Isolation



VSWR (Port-V)



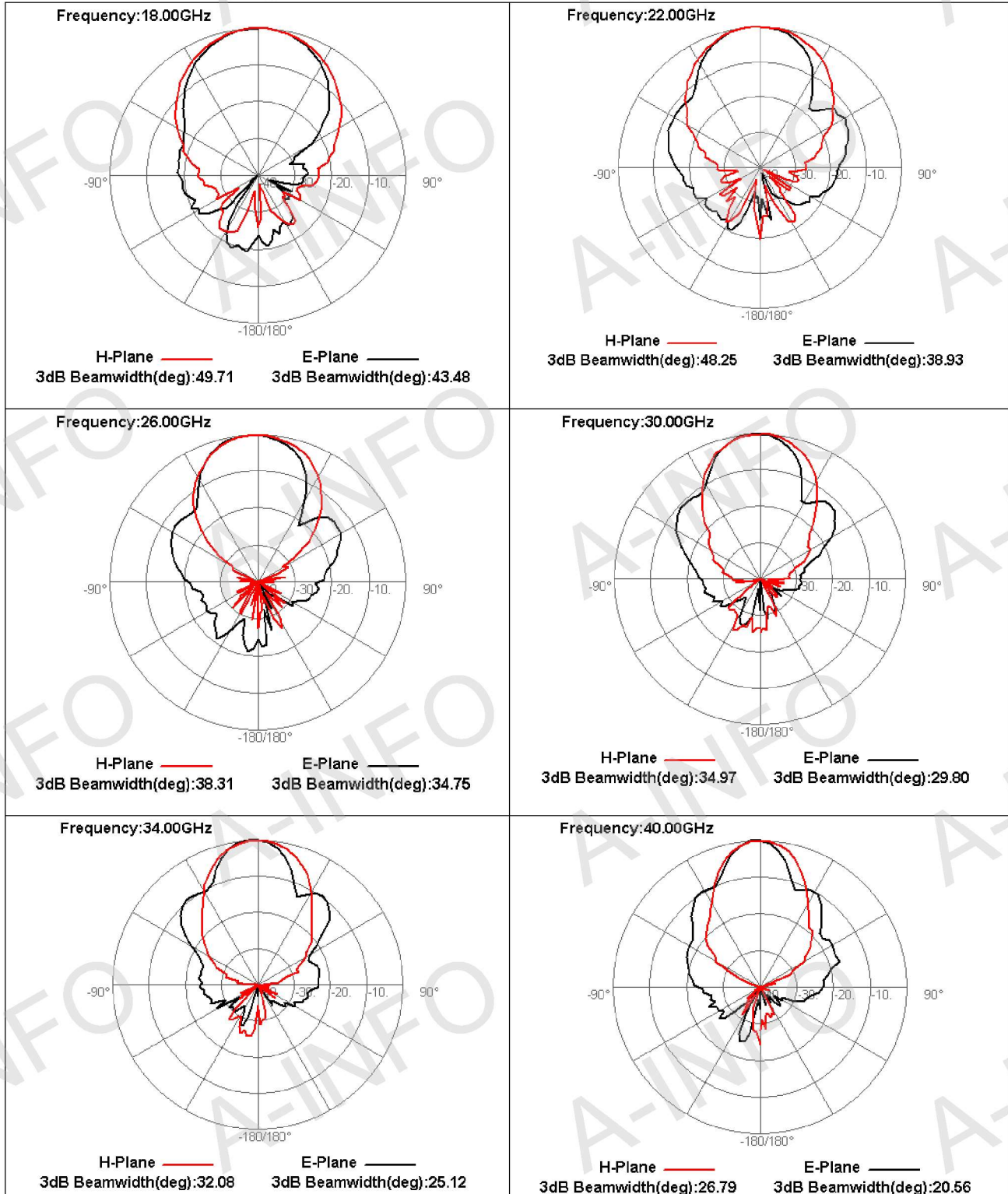
VSWR (Port-H)



Broadband Dual Pol. Horn Antenna 18.0-40.0GHz(continued)

P/N: LB-SJ-180400

Pattern



Open Boundary Quad-Ridged Horn Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Dual Polarization Horn Antenna and download.

Model	Freq. (GHz)	Pol.	Gain (dB)	VSWR Typ.	Port Isolation (dB) Min.	Connector	Power Handling (W) CW Max.	Size (mm)
LB-OSJ-0460-SF	0.4-6.0	Dual	4-14	1.5:1	20	SMA-F	50	510x510x550
LB-OSJ-0460-NF	0.4-6.0	Dual	4-14	1.5:1	20	N-F	50	510x510x550
LB-OSJ-0760-SF	0.7-6.0	Dual	11	2.0:1	20	SMA-F	50	310x310x411
LB-OSJ-0760-NF	0.7-6.0	Dual	11	2.0:1	20	N-F	50	310x310x411
LB-OSJ-07100-SF	0.7-10.0	Dual	11	2.0:1	20	SMA-F	50	310x310x411
LB-OSJ-07100-NF	0.7-10.0	Dual	11	2.0:1	20	N-F	50	310x310x411
LB-OSJ-10180-SF	1.0-18.0	Dual	10	2.0:1	20	SMA-F	50	190.1x190.1x186.1
LB-OSJ-10180-NF	1.0-18.0	Dual	10	2.0:1	20	N-F	50	190.1x190.1x186.1
LB-OSJ-10200-SF	1.0-20.0	Dual	10	2.0:1	20	SMA-F	50	190.1x190.1x186.1
LB-OSJ-10200-NF	1.0-20.0	Dual	10	2.0:1	20	N-F	50	190.1x190.1x186.1
LB-OSJ-20180-SF	2.0-18.0	Dual	13	2.0:1	20	SMA-F	25	140x140x196

Open Boundary Quad-Ridged Horn Antenna 0.4~6.0GHz

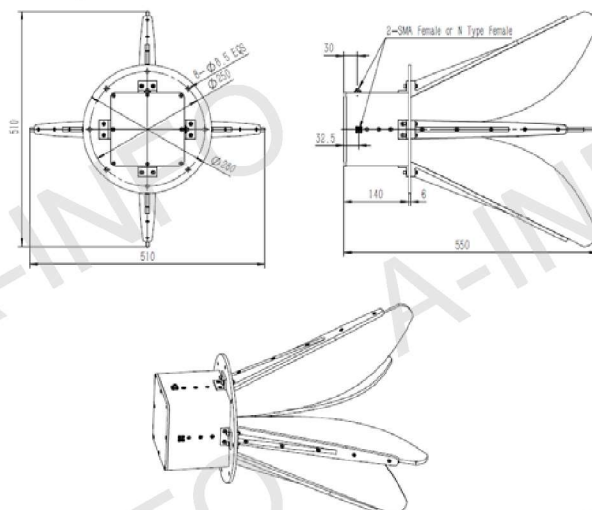
P/N: LB-OSJ-0460



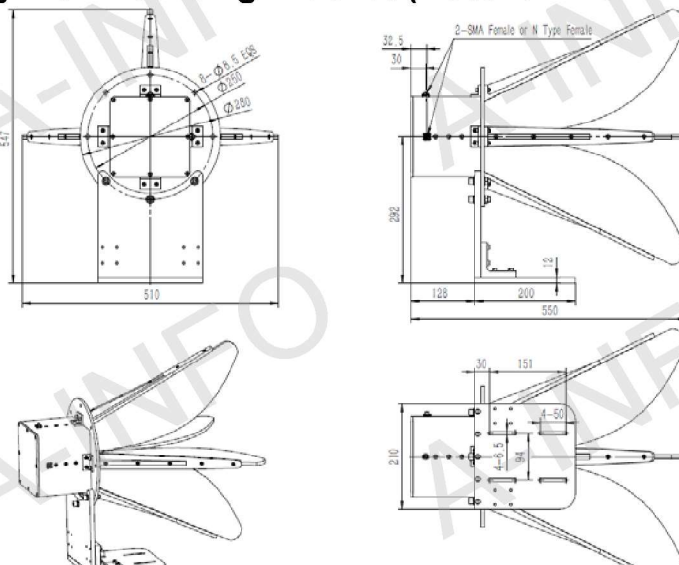
Technical Specification

Frequency Range(GHz)	0.4-6.0
Gain(dB)	4-14
Polarization	Dual Pol.
VSWR	1.5:1 Typ. 3.0:1 Max
V/H 3dB Beamwidth(deg)	80-30
Cross Isolation(dB)	20 Min
Connector	SMA-F/N-F
Power Handling(W) CW	50/50
Size(mm)	510x510x550
Net Weight(Kg)	9.5 Around

Outline Drawing (Size: mm)



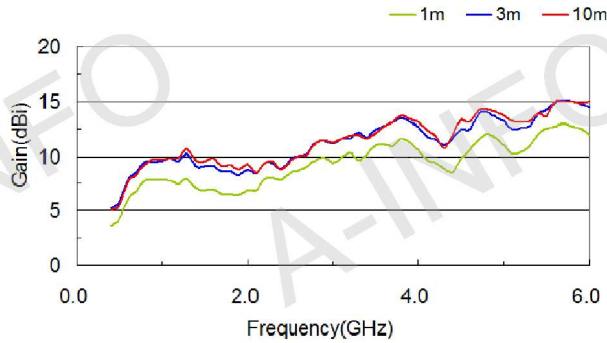
Outline Drawing with Mounting Bracket (Material: non-metal) (Size: mm)



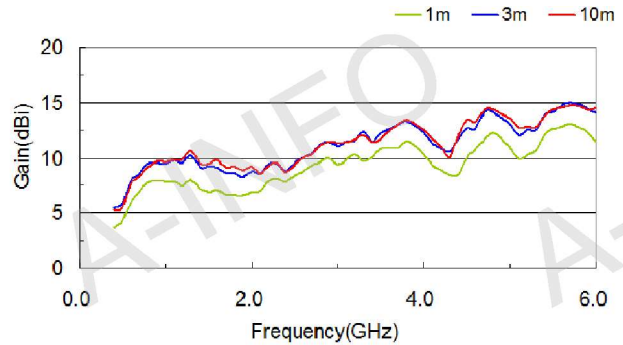
Open Boundary Quad-Ridged Horn Antenna 0.4~6.0GHz (continued)

P/N: LB-OSJ-0460

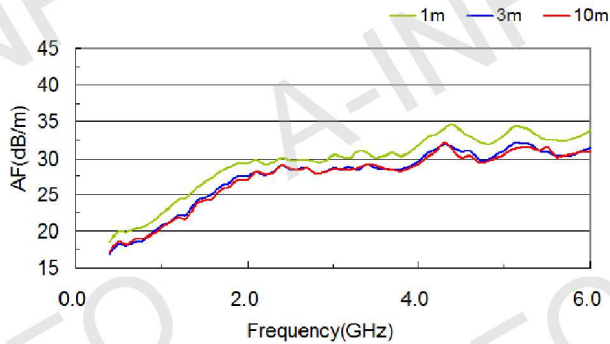
Gain(H port)



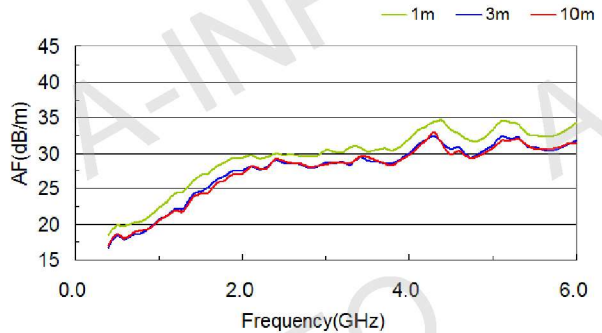
Gain(V port)



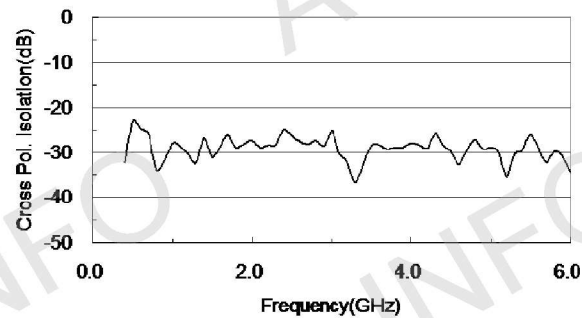
Antenna Factor(H port)



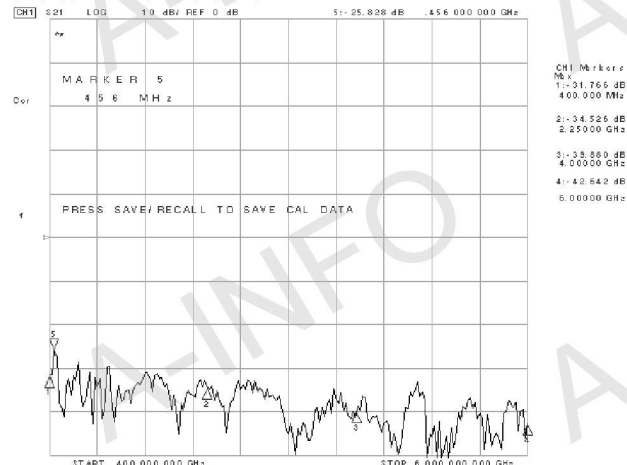
Antenna Factor(V port)



Cross Polarization Isolation



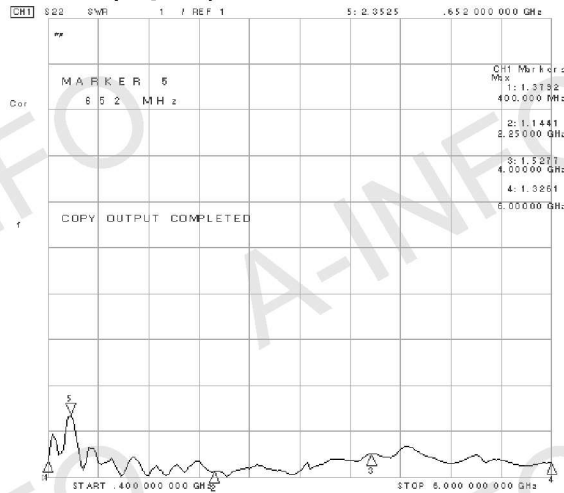
Port to Port Isolation



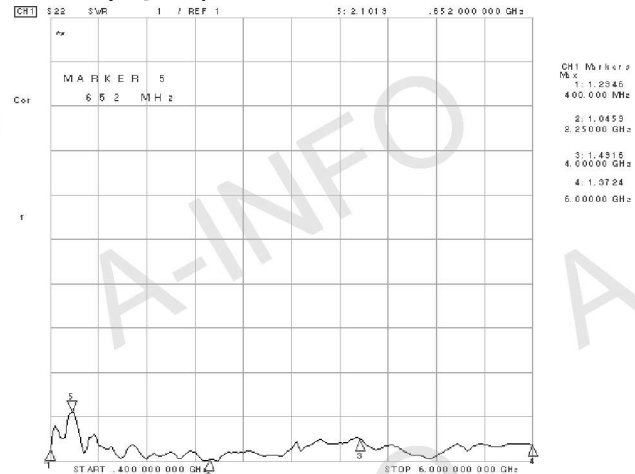
Open Boundary Quad-Ridged Horn Antenna 0.4~6.0GHz (continued)

P/N: LB-OSJ-0460

VSWR(H port)

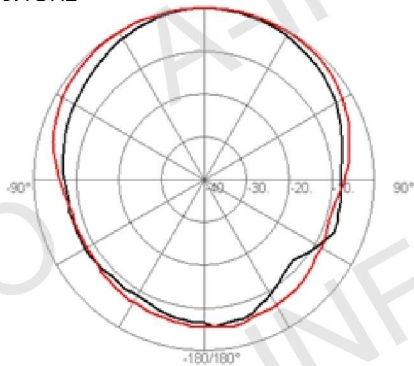


VSWR(V port)

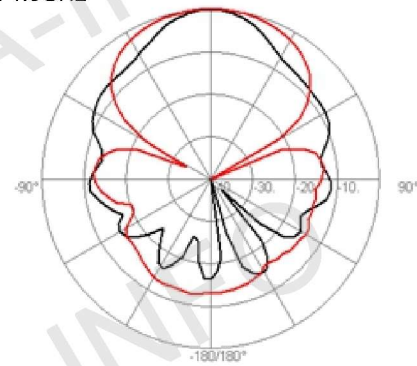


Pattern(Tested by A-INFO)

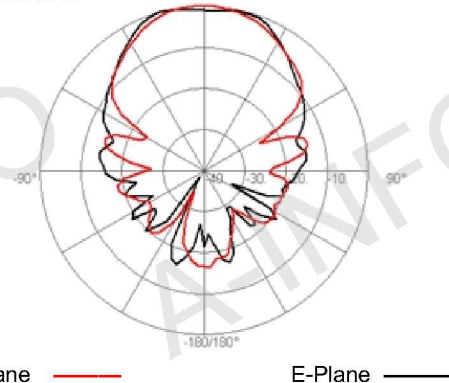
Frequency: 0.4GHz



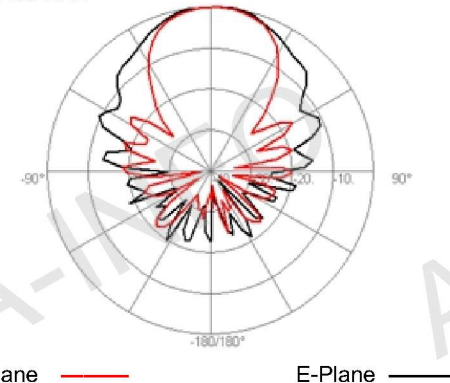
Frequency: 1.0GHz



Frequency: 2.0GHz



Frequency: 3.0GHz

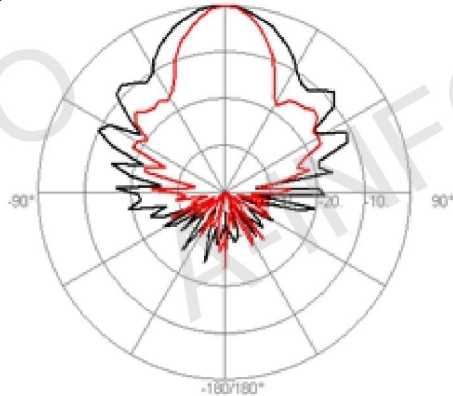


Open Boundary Quad-Ridged Horn Antenna 0.4~6.0GHz (continued)

P/N: LB-OSJ-0460

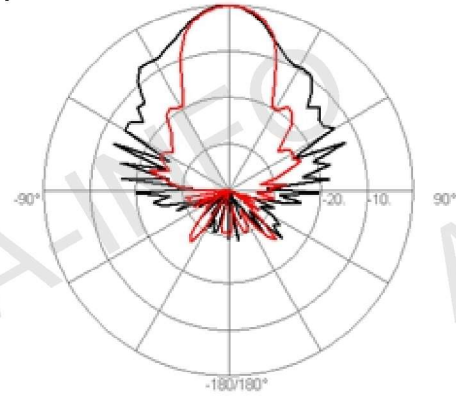
Pattern(Tested by A-INFO)

Frequency: 4.0GHz



H-Plane — 3dB Beamwidth (deg): 19.39
E-Plane — 3dB Beamwidth (deg): 31.78

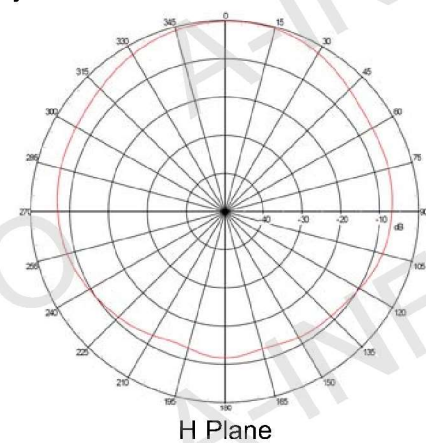
Frequency: 6.0GHz



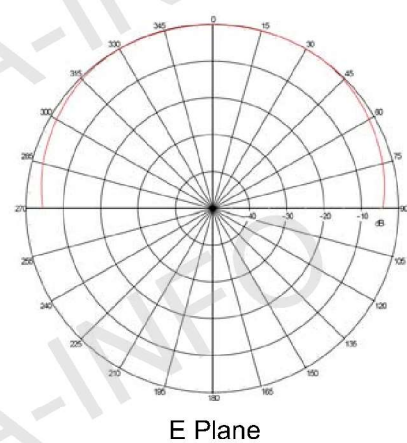
H-Plane — 3dB Beamwidth (deg): 24.98
E-Plane — 3dB Beamwidth (deg): 24.62

Pattern(Tested by NSI)

Frequency: 0.4GHz

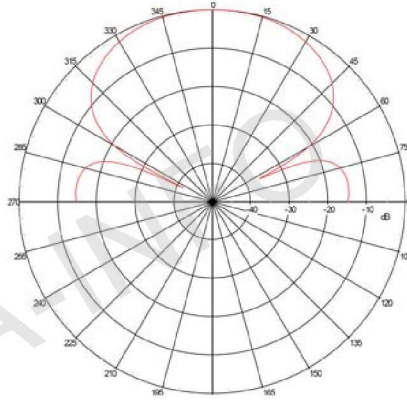
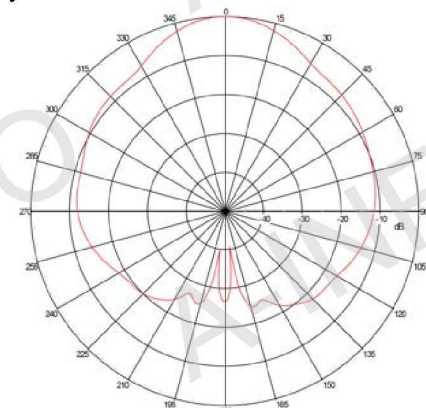


H Plane



E Plane

Frequency: 1.0GHz

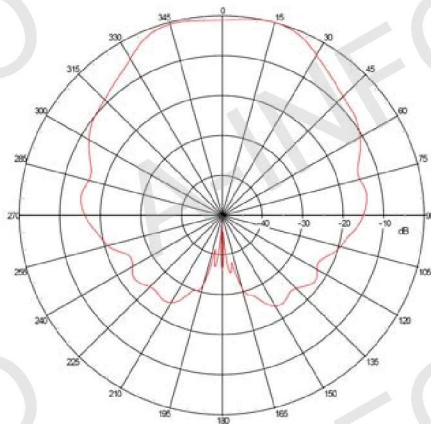


Open Boundary Quad-Ridged Horn Antenna 0.4~6.0GHz (continued)

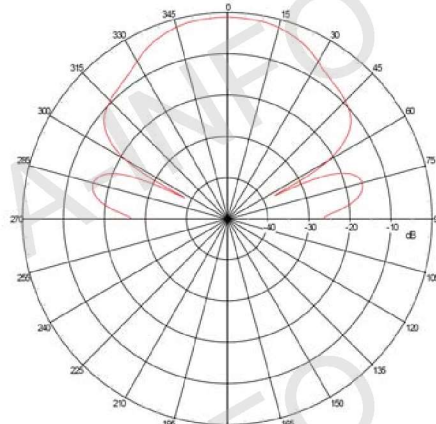
P/N: LB-OSJ-0460

Pattern(Tested by NSI)

Frequency: 2.0GHz

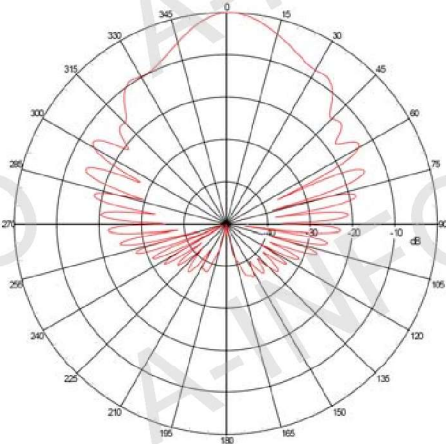


H Plane

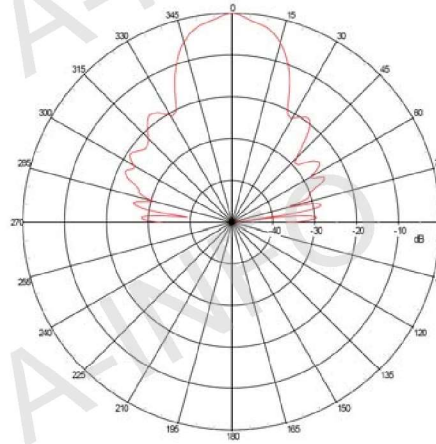


E Plane

Frequency: 6.0GHz



H Plane



E Plane

Open Boundary Quad-Ridged Horn Antenna 0.7~6.0GHz

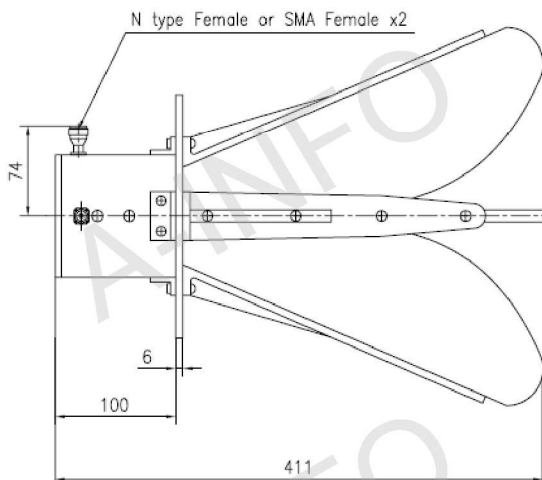
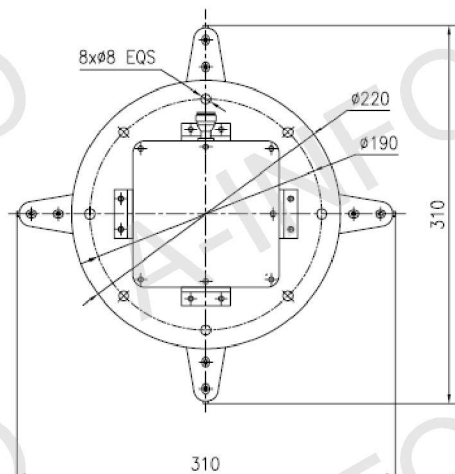
P/N: LB-OSJ-0760



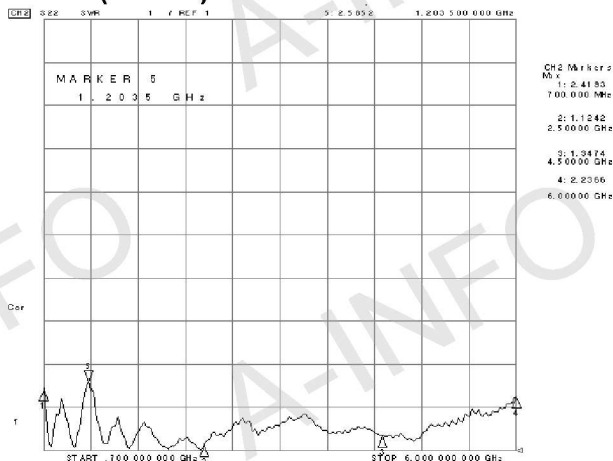
Technical Specification

Frequency Range(GHz)	0.7-6.0
Gain(dB)	11 Typ.
Polarization	Dual Pol.
VSWR	2.0:1 Typ.
V/H 3dB Beamwidth(deg)	120-15
Cross Pol. Isolation (dB)	18 Min
Port Isolation(dB)	20 Min
Connector	SMA-F/N-F
Power Handling(W) CW	50/50
Size(mm)	310x310x411
Net Weight(Kg)	5.0 Around

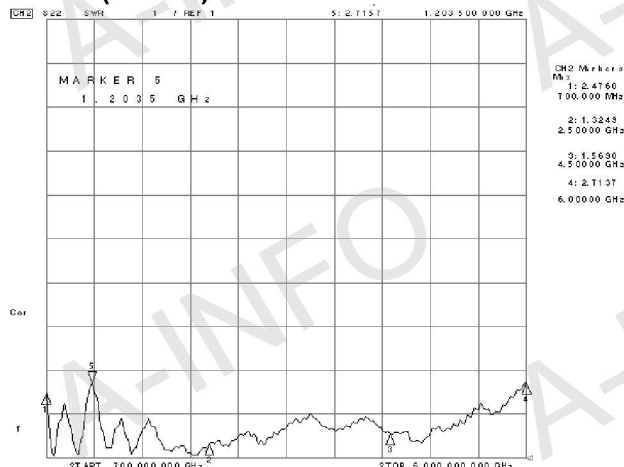
Outline Drawing (Size: mm)



VSWR(Port-H)



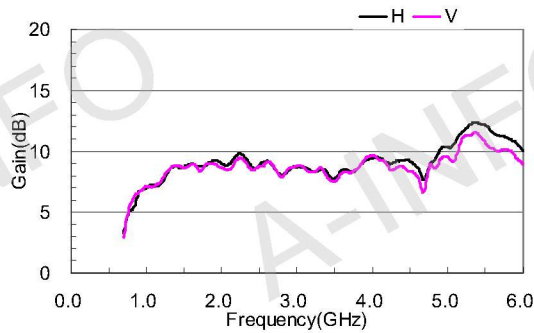
VSWR(Port-V)



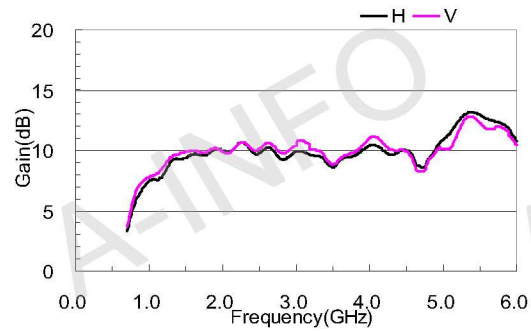
Open Boundary Quad-Ridged Horn Antenna 0.7~6.0GHz (continued)

P/N: LB-OSJ-0760

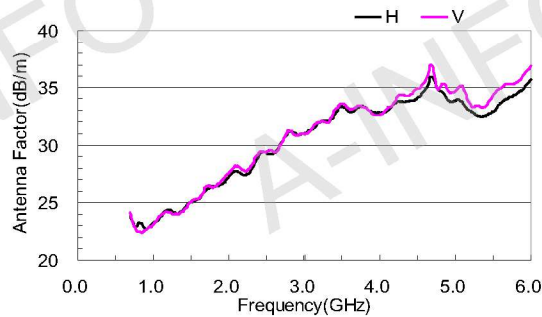
Gain
Gain at 1 m



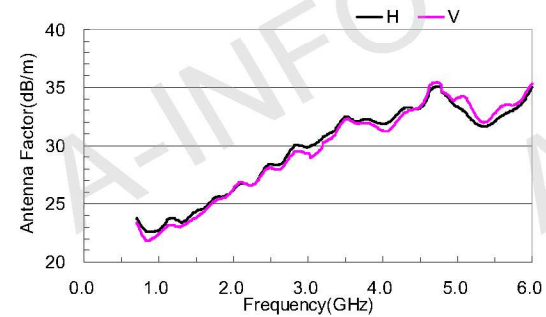
Gain at 3 m



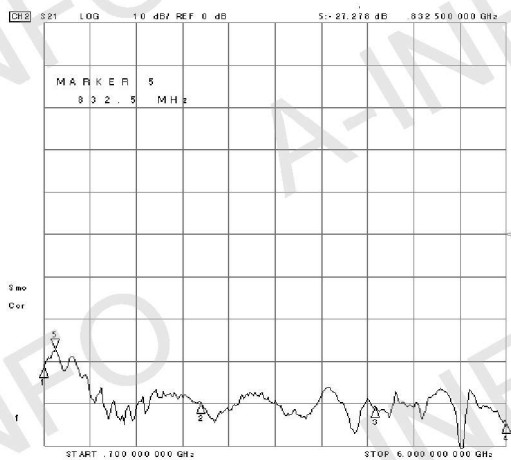
Antenna Factor
AF at 1 m



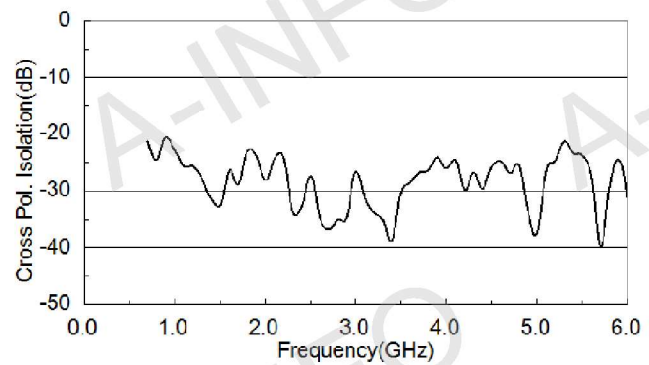
AF at 3 m



Port to Port Isolation

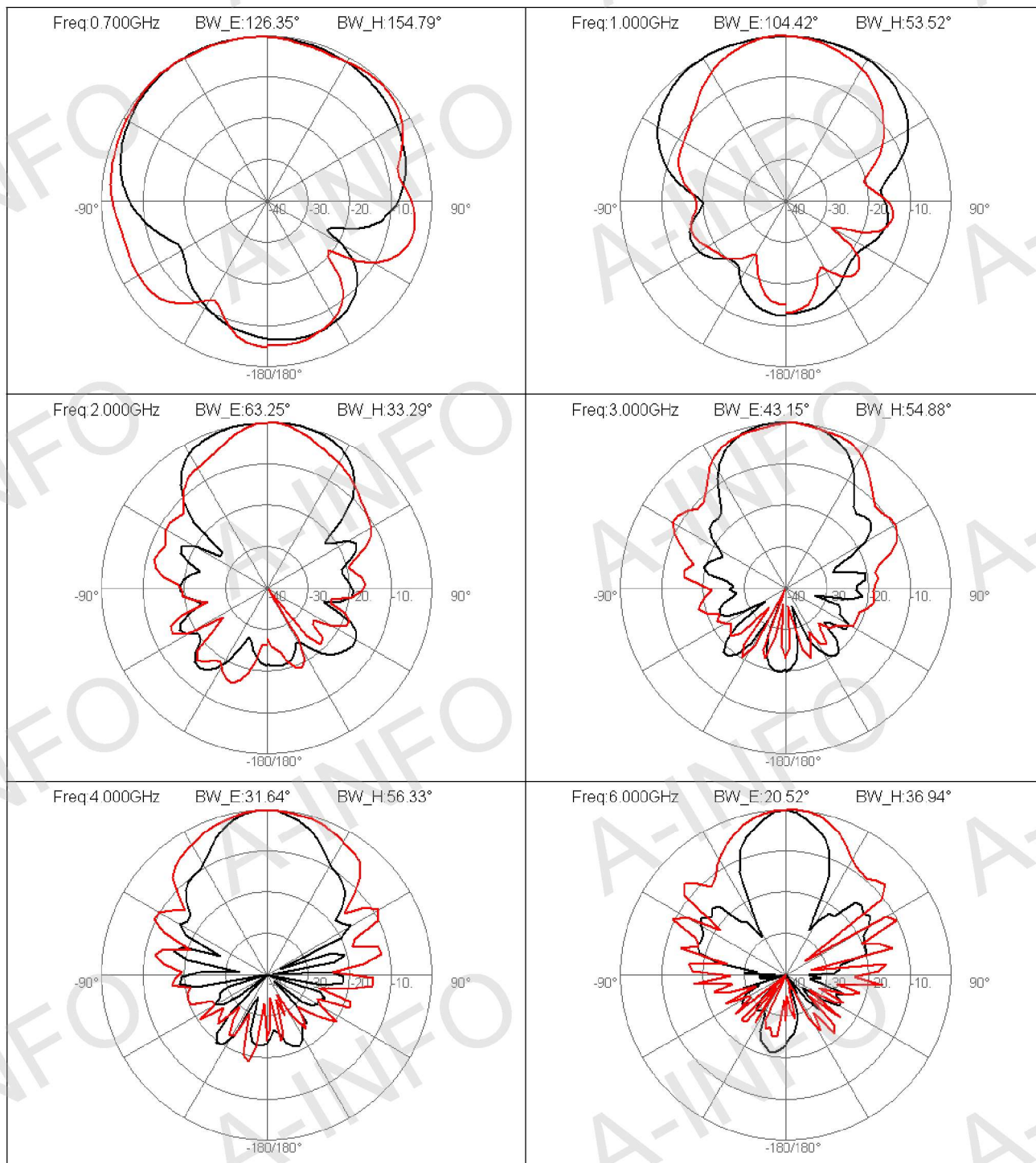


Cross Polarization isolation



**Open Boundary Quad-Ridged Horn Antenna 0.7~6.0GHz
(continued)**

P/N: LB-OSJ-0760



Open Boundary Quad-Ridged Horn Antenna 1.0~18.0GHz

P/N: LB-OSJ-10180



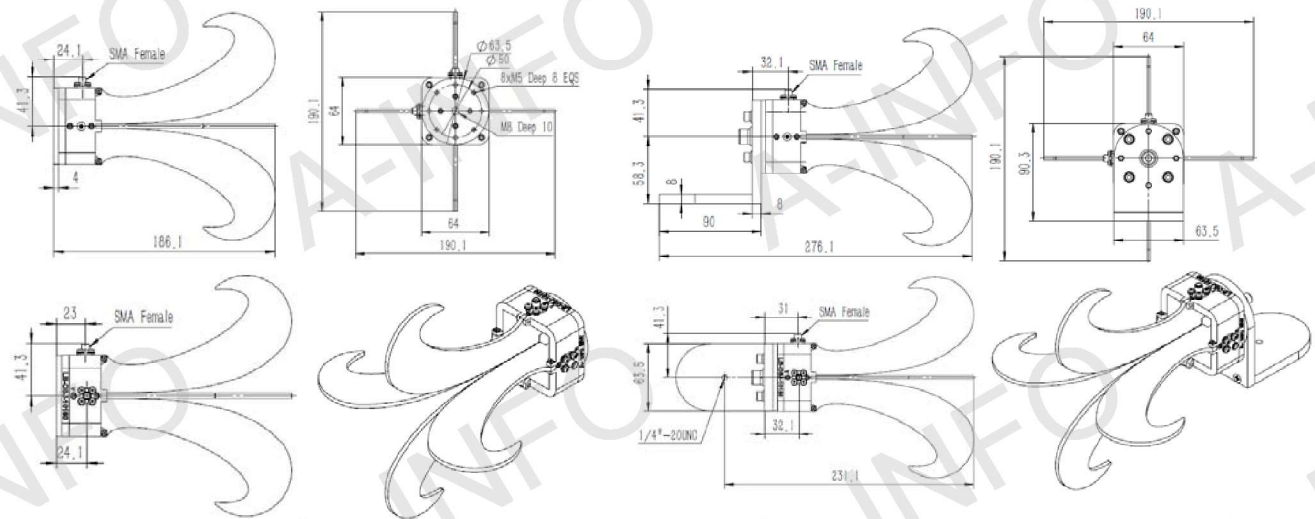
Technical Specification

Frequency Range(GHz)	1.0-18.0
Gain(dBi)	10 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	190-22
Cross Pol. Isolation(dB)	20 Min.
Port to Port Isolation(dB)	20 Min.
VSWR	2.0:1 Typ.
Output	SMA-Female/N-Female
Power Handling(W)	SMA-Female: 50 Max. CW N-Female: 50 Max. CW
Material	Al
Size(mm)	186.1 x 190.1 x 190.1
Net Weight(Kg)	0.56 Around

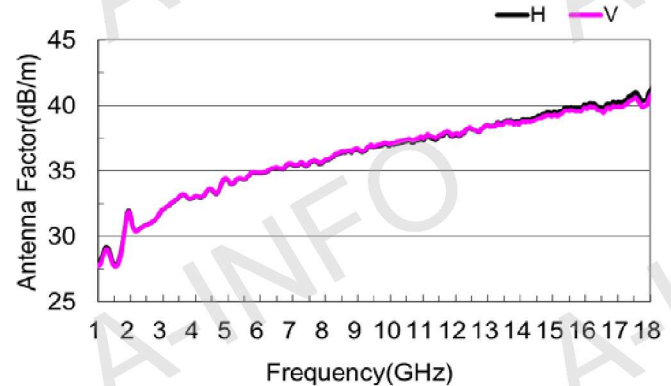
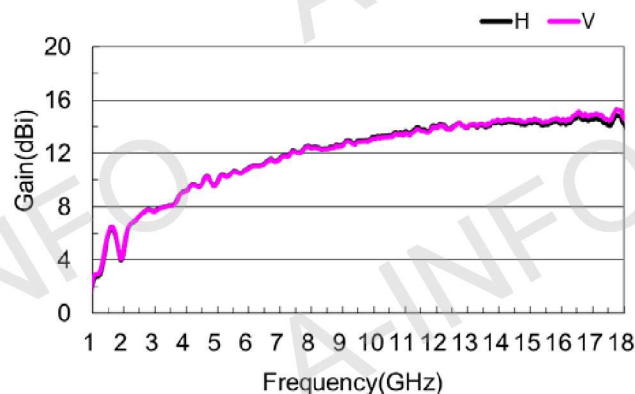
Outline Drawing (Size: mm) For N type Female output outline drawing, please contact A-INFO.

With SMA-Female Output

With SMA-Female Output & L Type Mounting Bracket



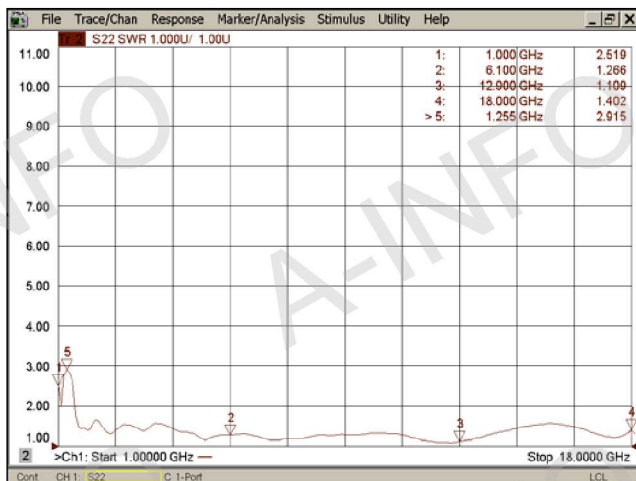
Gain & Antenna Factor



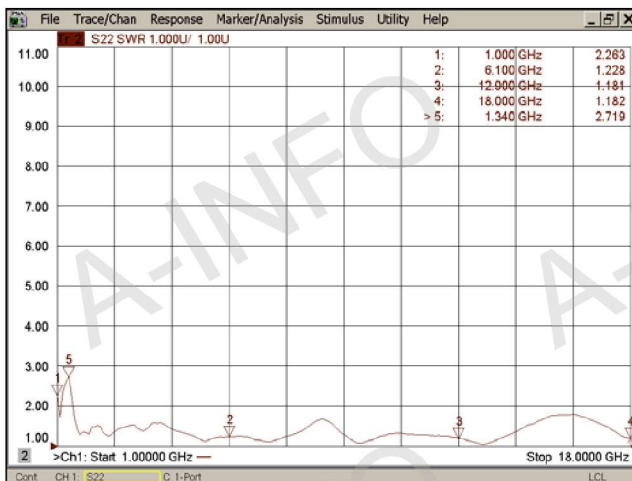
Open Boundary Quad-Ridged Horn Antenna 1.0~18.0GHz (continued)

P/N: LB-OSJ-10180

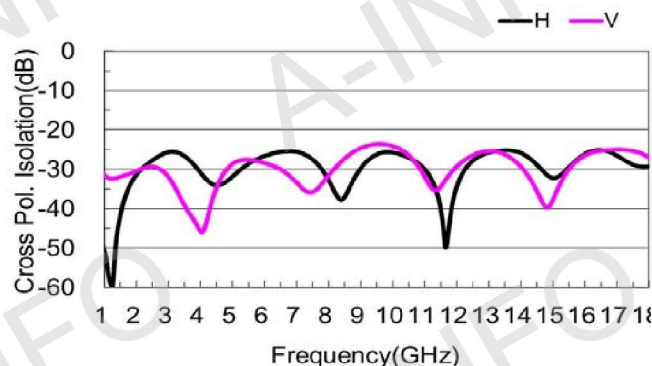
VSWR (Port-H)



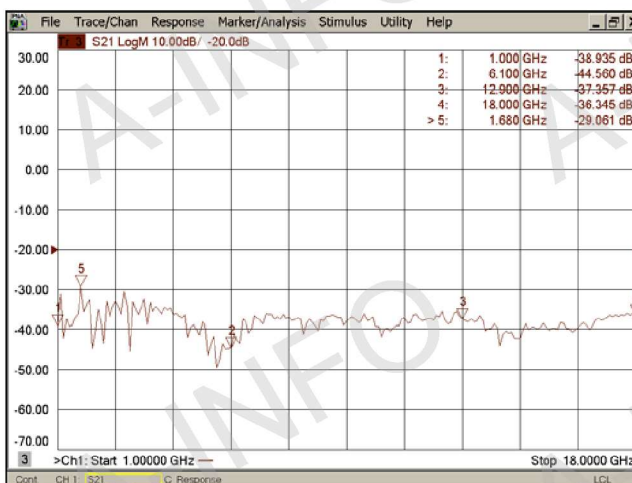
VSWSR (Port-V)



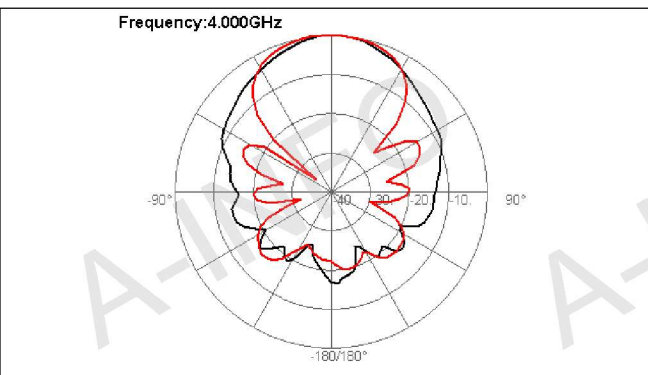
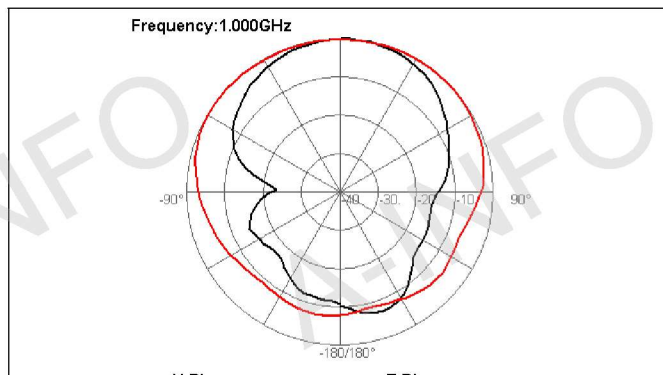
Cross Pol. Isolation



Port to Port Isolation



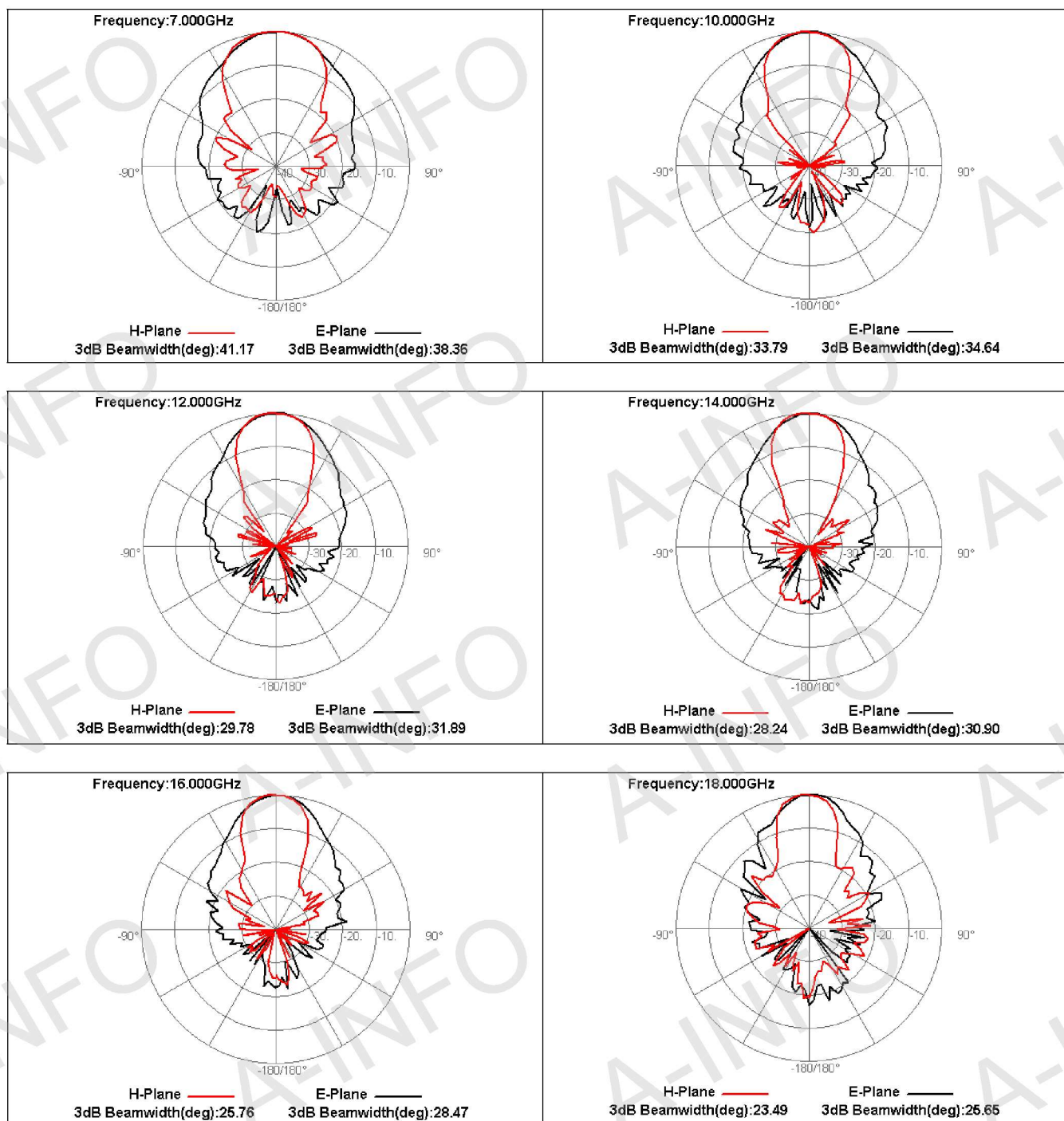
Pattern



Open Boundary Quad-Ridged Horn Antenna 1.0~18.0GHz (continued)

P/N: LB-OSJ-10180

Pattern



Open Boundary Quad-Ridged Horn Antenna 2.0~18.0GHz

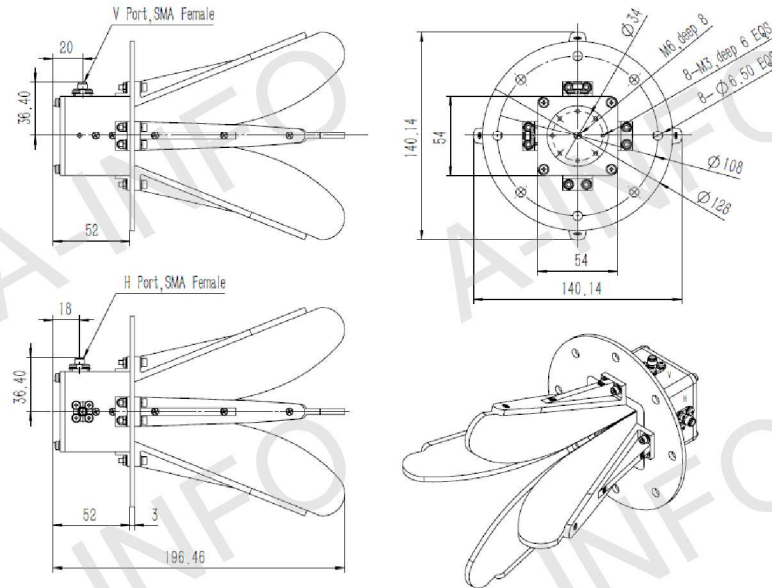
P/N: LB-OSJ-20180

Technical Specification

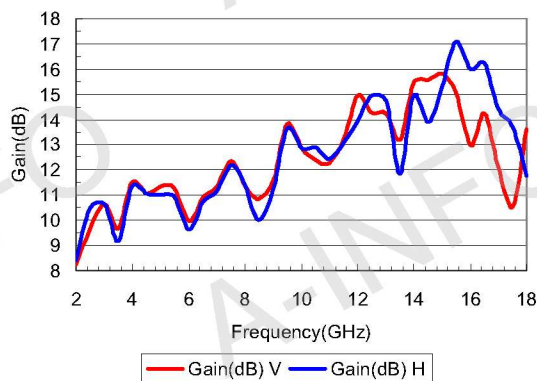


Frequency Range(GHz)	2.0-18.0
Gain(dB)	13 Typ.
Polarization	Dual Pol.
VSWR	2.0 Typ. 3.0 Max.
V/H 3dB Beamwidth(deg)	80-15
Port to Port Isolation(dB)	20 Min
Connector	SMA-Female
Power Handling(W) CW	25 Max
Size(mm)	140.14x140.14x196.46
Net Weight(Kg)	0.7 Around

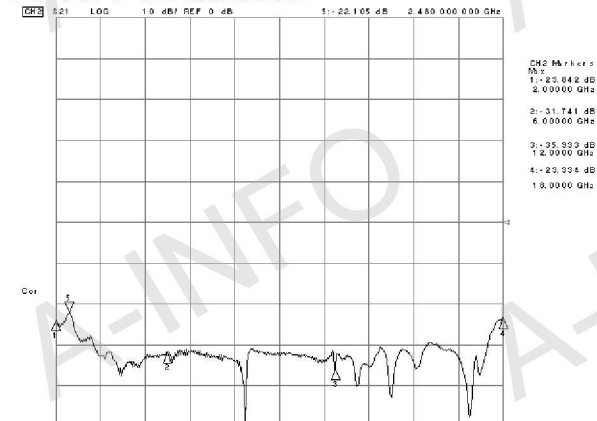
Outline Drawing (Size: mm)



Gain



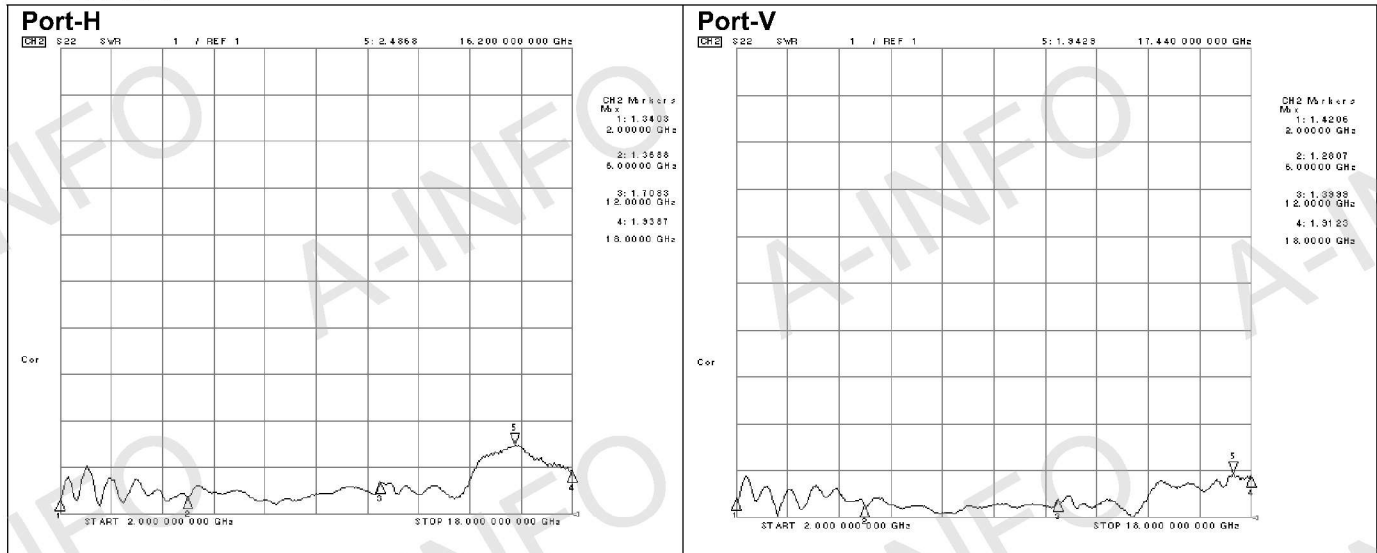
Port to Port Isolation



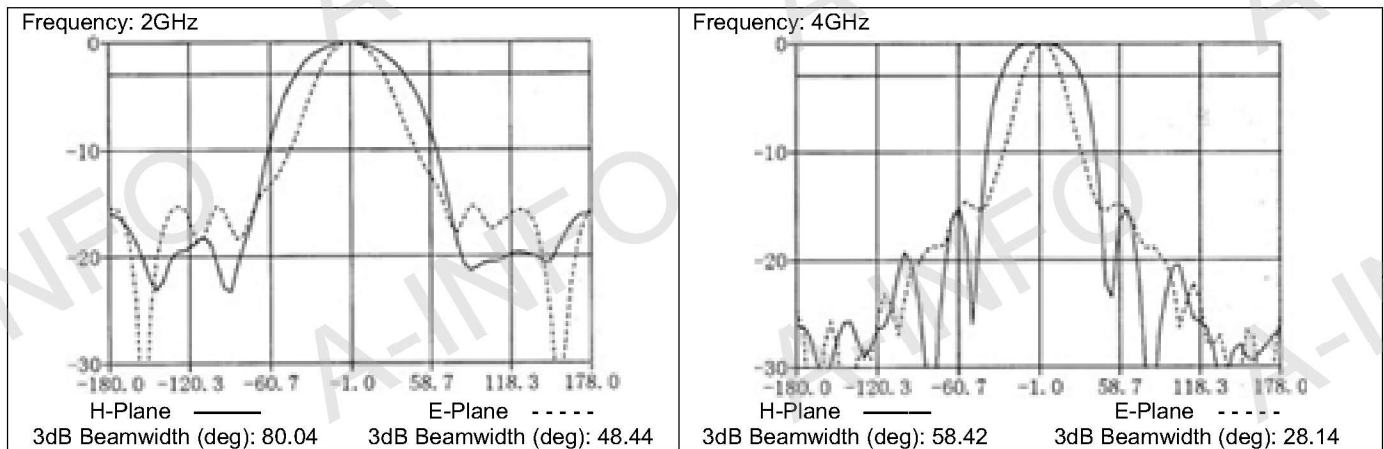
Open Boundary Quad-Ridged Horn Antenna 2.0~18.0GHz (continued)

P/N: LB-OSJ-20180

VSWR



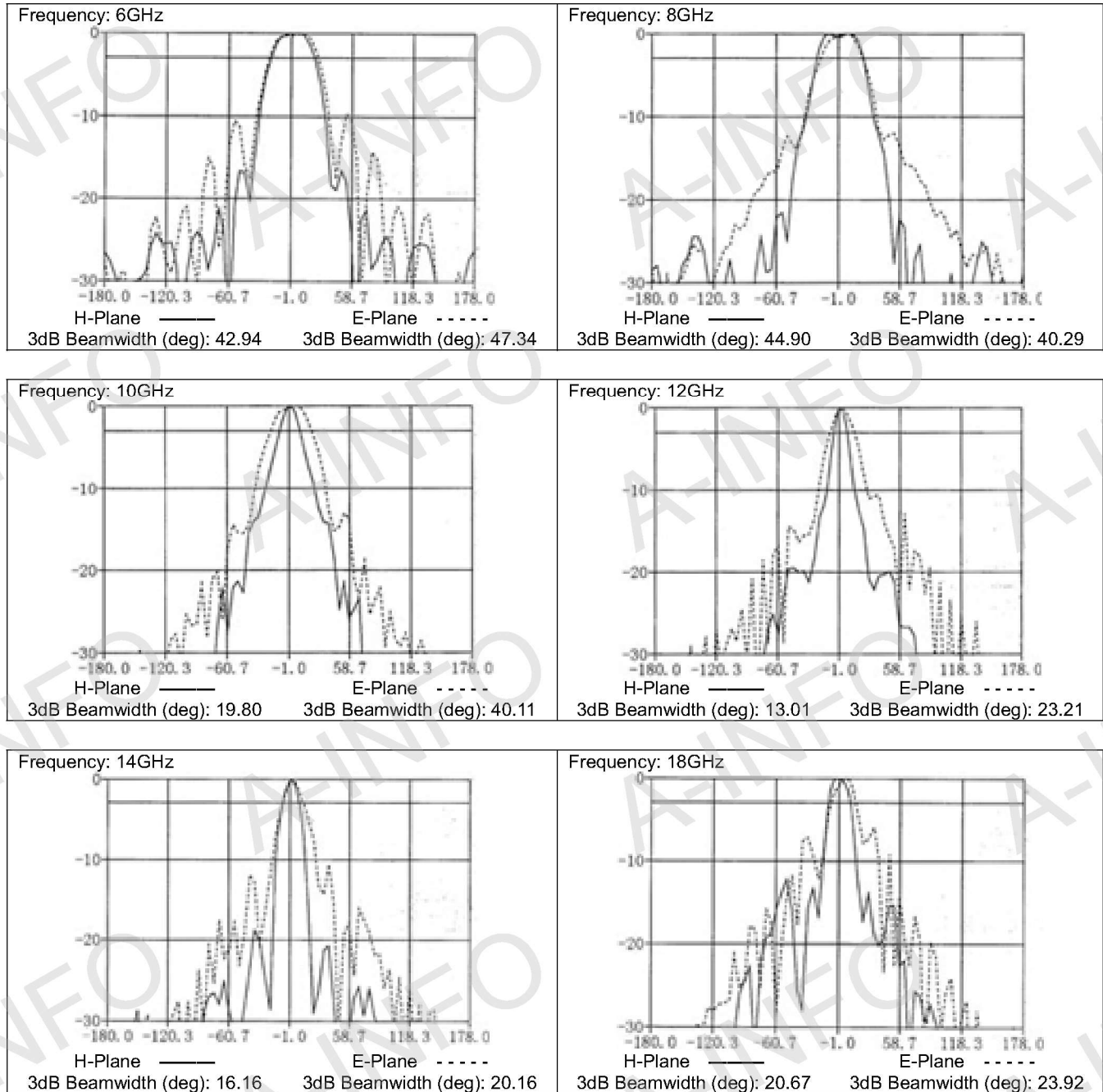
Pattern (Tested by A-INFO)



Open Boundary Quad-Ridged Horn Antenna 2.0~18.0GHz (continued)

P/N: LB-OSJ-20180

Pattern (Tested by A-INFO)



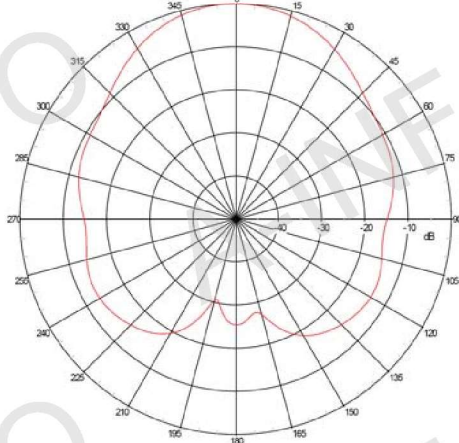
Open Boundary Quad-Ridged Horn Antenna 2.0~18.0GHz (continued)

P/N: LB-OSJ-20180

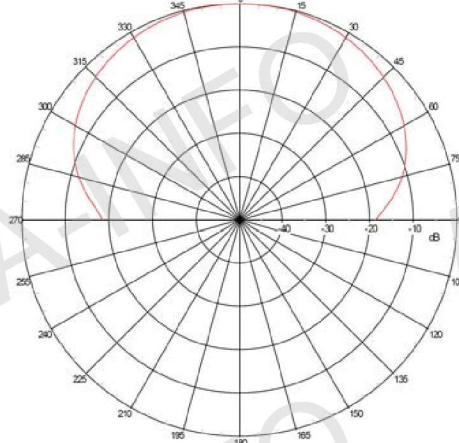
Pattern (Tested by NSI)

Frequency: 2GHz

H-Plane

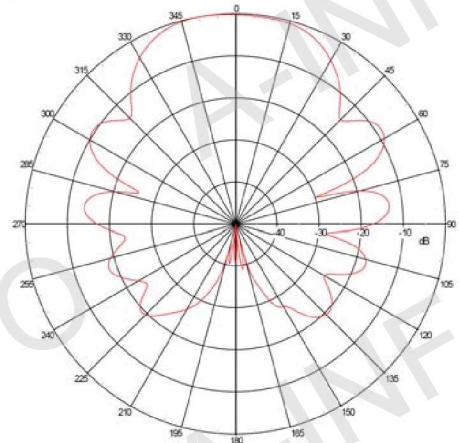


E-Plane

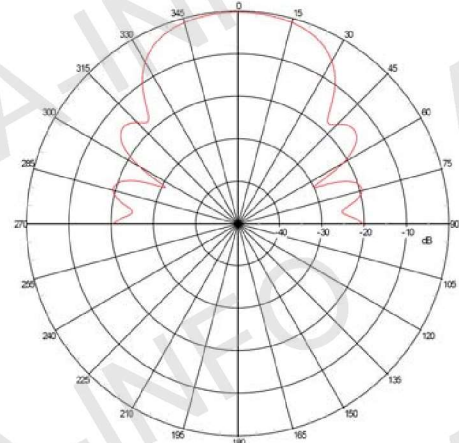


Frequency: 6GHz

H-Plane

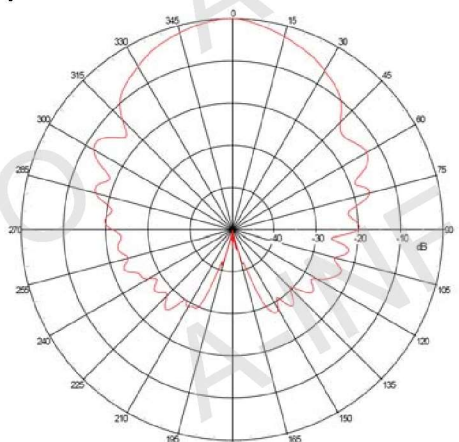


E-Plane

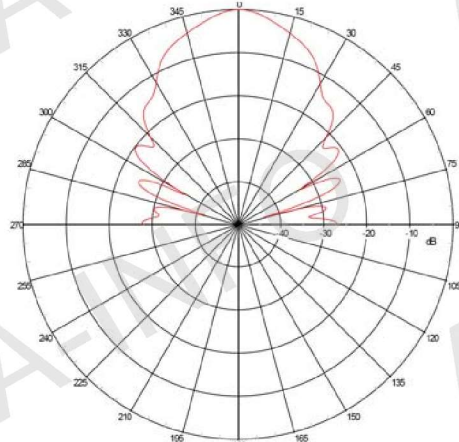


Frequency: 11GHz

H-Plane



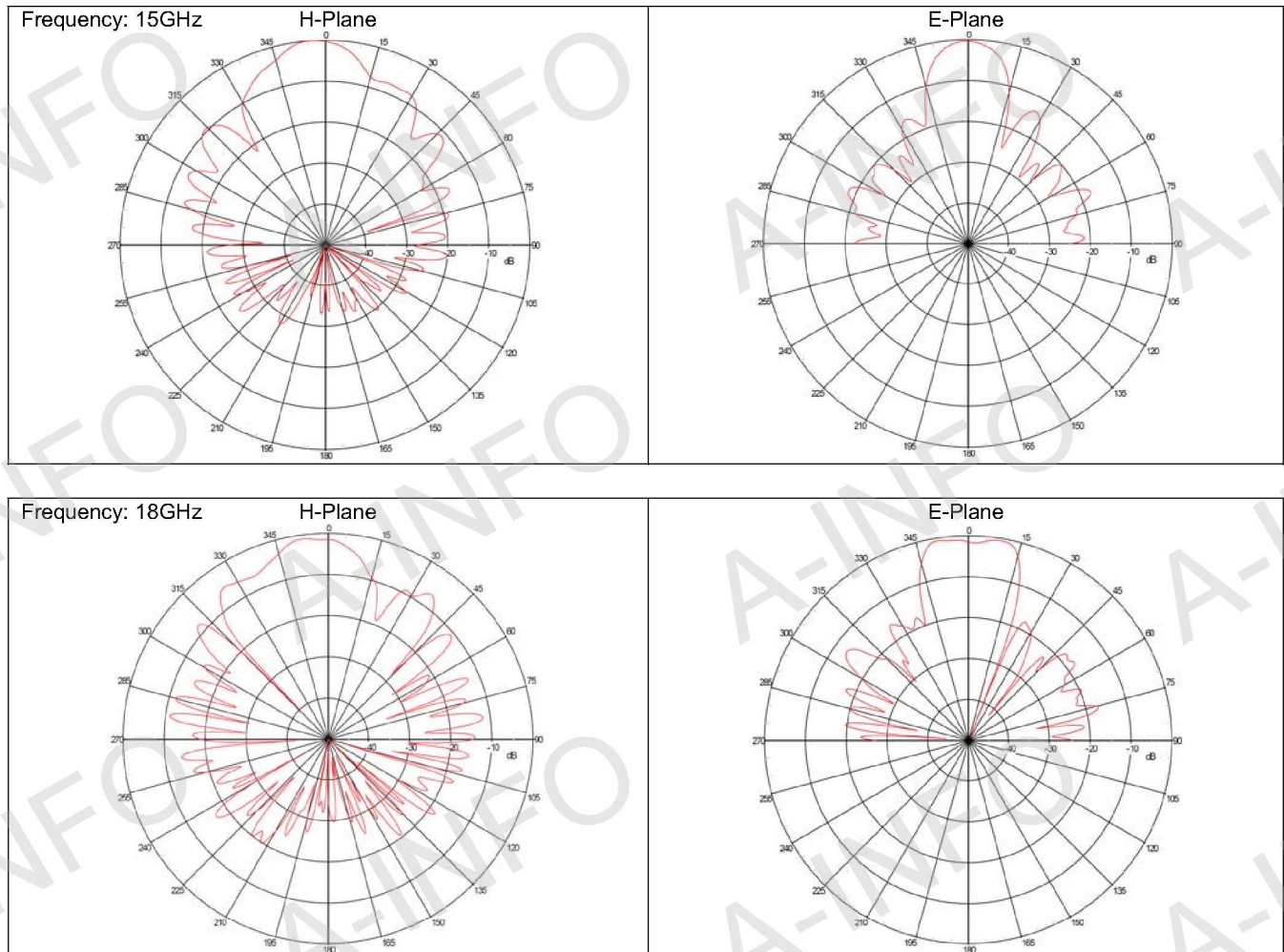
E-Plane



Open Boundary Quad-Ridged Horn Antenna 2.0~18.0GHz (continued)

P/N: LB-OSJ-20180

Pattern (Tested by NSI)



Options for Dual Polarization Horn Antenna



Option	Description
P01	Convert to LHCP
P02	Convert to RHCP
P03	Convert to Dual Circular
P04	Convert to Vertical, Horizontal, LHCP, RHCP Switchable

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Dual Pol. Horn Antenna and download.

Model	Freq. Range (GHz)	Pol.	Gain (dBic) Typ.	VSWR Max	Connector
LB-OSJ-0760-P01	0.7-6.0	LHCP	10	2.0	SMA-F
LB-OSJ-0760-P04	0.7-6.0	V, H, LHCP, RHCP Switchable	2-12	2.5Typ.	SMA-F
LB-OSJ-07100-P01	0.7-10.0	LHCP	10	2.0	SMA-F
LB-OSJ-07100-P03	0.7-10.0	Dual Circular	10	2.0	SMA-F
LB-OSJ-07100-P04	0.7-10.0	V, H, LHCP, RHCP Switchable	2-12	2.5Typ.	SMA-F
LB-OSJ-20180-P01	2.0-18.0	LHCP	13	2.0	SMA-F
LB-OSJ-20180-P02	2.0-18.0	RHCP	13	2.0	SMA-F
LB-OSJ-20180-P03	2.0-18.0	Dual Circular	13	2.0	SMA-F
LB-SJ-10100-P01	1.0-10.0	LHCP	11	1.5	SMA-F
LB-SJ-10100-P02	1.0-10.0	RHCP	11	1.5	SMA-F
LB-SJ-10100-P03	1.0-10.0	Dual Circular	11	1.5	SMA-F
LB-SJ-20180-P03	2.0-18.0	Dual Circular	14.0	2.0	SMA-F
LB-SJ-60180-P01	6.0-18.0	LHCP	12	2.0	SMA-F
LB-SJ-60180-P02	6.0-18.0	RHCP	12	2.0	SMA-F
LB-SJ-60180-P03	6.0-18.0	Dual Circular	12	2.0	SMA-F
LB-SJ-60245-P01	6.0-24.5	LHCP	13	2.0	SMA-F
LB-SJ-60245-P02	6.0-24.5	RHCP	13	2.0	SMA-F
LB-SJ-60245-P03	6.0-24.5	Dual Circular	13	2.0	SMA-F
LB-SJ-180400-P01	18.0-40.0	LHCP	13.0	2.0	2.92mm-F
LB-SJ-180400-P02	18.0-40.0	RHCP	13.0	2.0	2.92mm-F

Dual Circular Polarization Horn Antenna

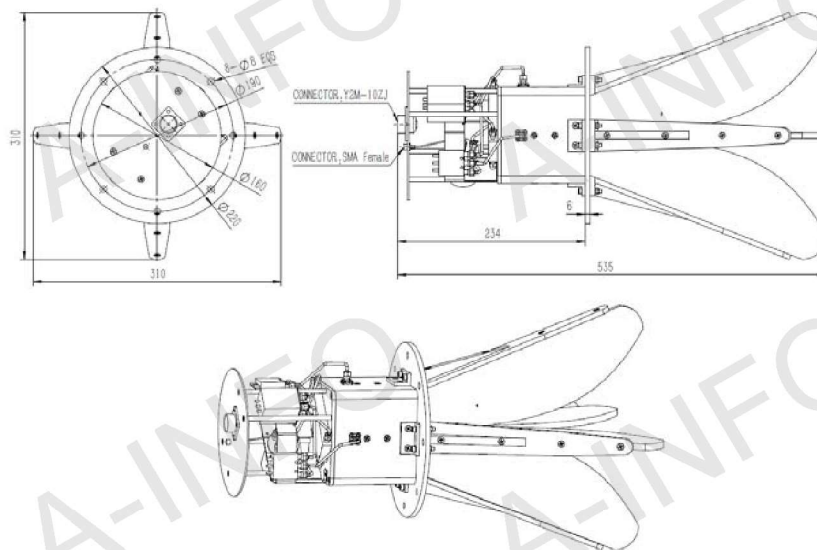
P/N: LB-OSJ-07100-P04



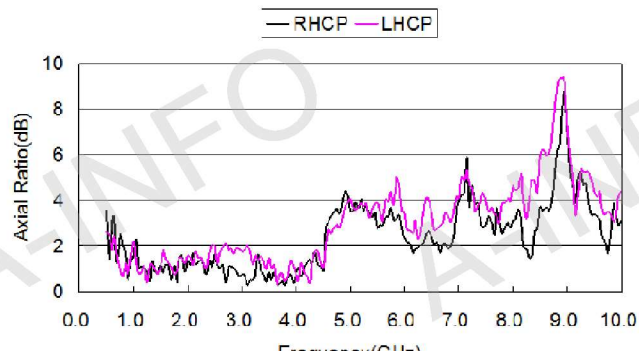
Technical Specification

Polarization	H,V, LHCP and RHCP Switchable
Frequency(GHz)	0.7 - 10.0
Gain	Linear: 2-14dB Typ. Circular: 2-12dBic Typ.
Axial Ratio(dB) (Circular)	4.0 Typ. 10.0 Max
VSWR	2.5 Typ.
Connector	SMA-Female
Power Handling	20W CW (Cold Switching)
Power Supply	12V DC
Control	TTL
Control Connector	Circular 10-Pin
Size(mm)	310 x 310 x 535
Net Weight(Kg)	5.85 Around

Outline Drawing (Size: mm)



Axial Ratio



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-07100-P04

Standard Configuration

1. Antenna
2. Control Cable, 5m, with Circular 10-Pin connector on each side.

Optional Accessories

1. Nonmetallic L type mounting bracket, for A-INFO tripod
2. Aluminum Tripod, 15Kg
3. Wooden Tripod, 15Kg

Control Description

1. Pin Description

Pin Number	Name	Description
1	NC	
2	+12V	+12V DC Supply input
3	GND	Ground
4	V	Polarization control :Vertical
5	H	Polarization control :Horizontal
6	C/L	Polarization control :Circular or Linear
7	R	Polarization control :RHCP
8	L	Polarization control :LHCP
9	NC	
10	NC	

2. Function Table

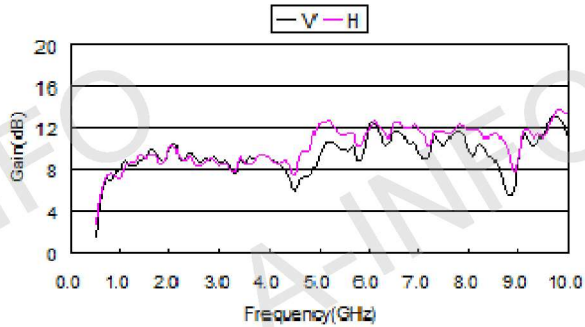
Pin Pol.	4	5	6	7	8
V	1*	0	0	0	0
H	0	1*	0	0	0
RHCP	0	0	1*	1	0
LHCP	0	0	1*	0	1

* TTL level should be keep at "1" (high level)

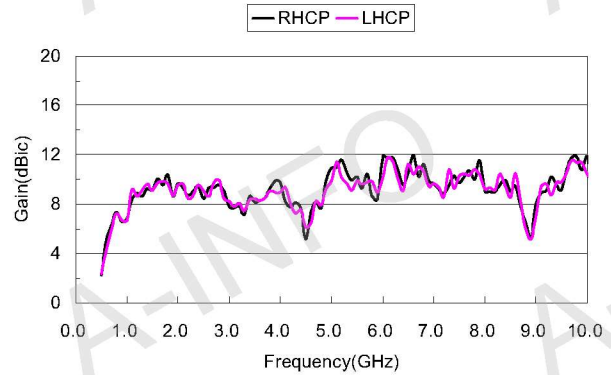
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-07100-P04

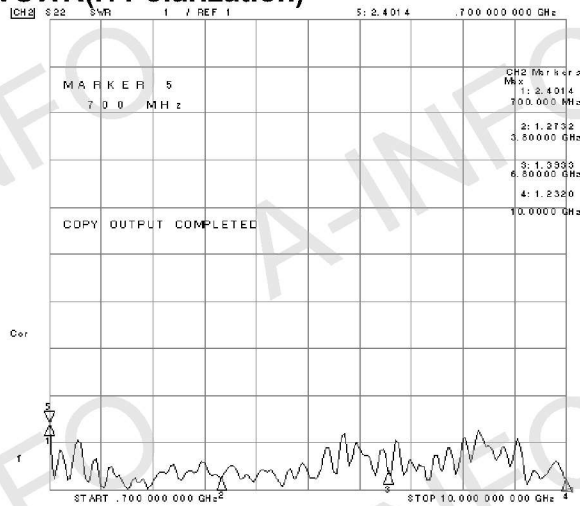
Gain(Linear)



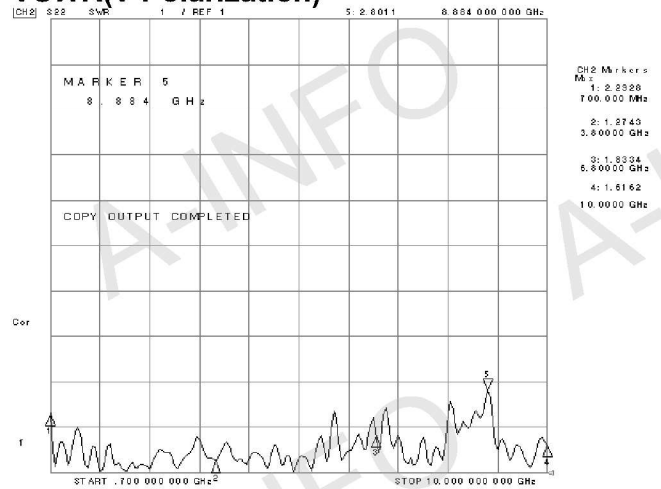
Gain(Circular)



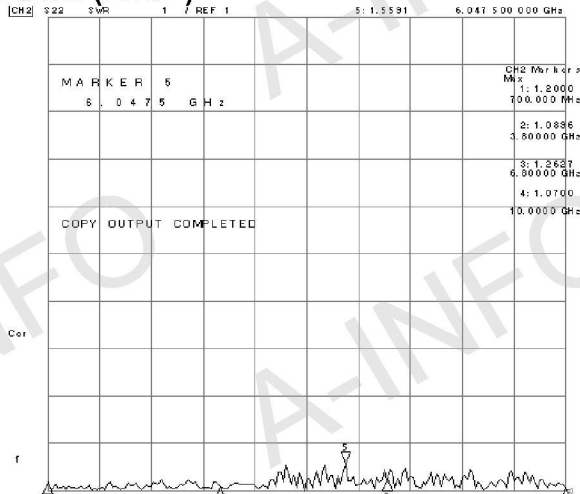
VSWR(H Polarization)



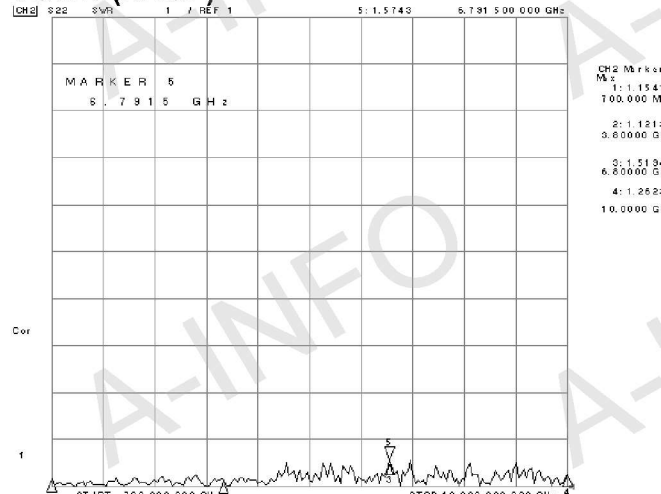
VSWR(V Polarization)



VSWR (LHCP)



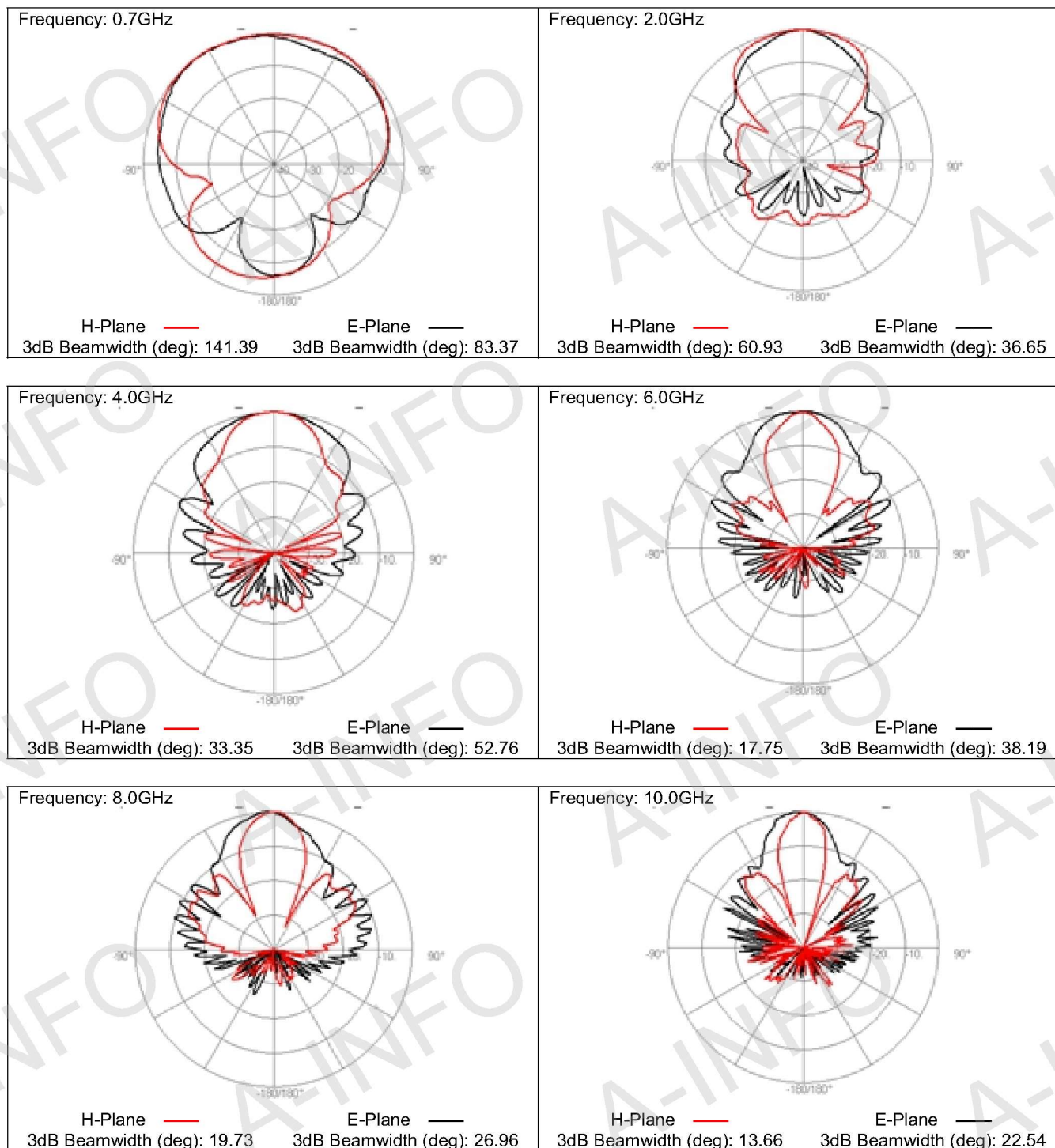
VSWR (RHCP)



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-07100-P04

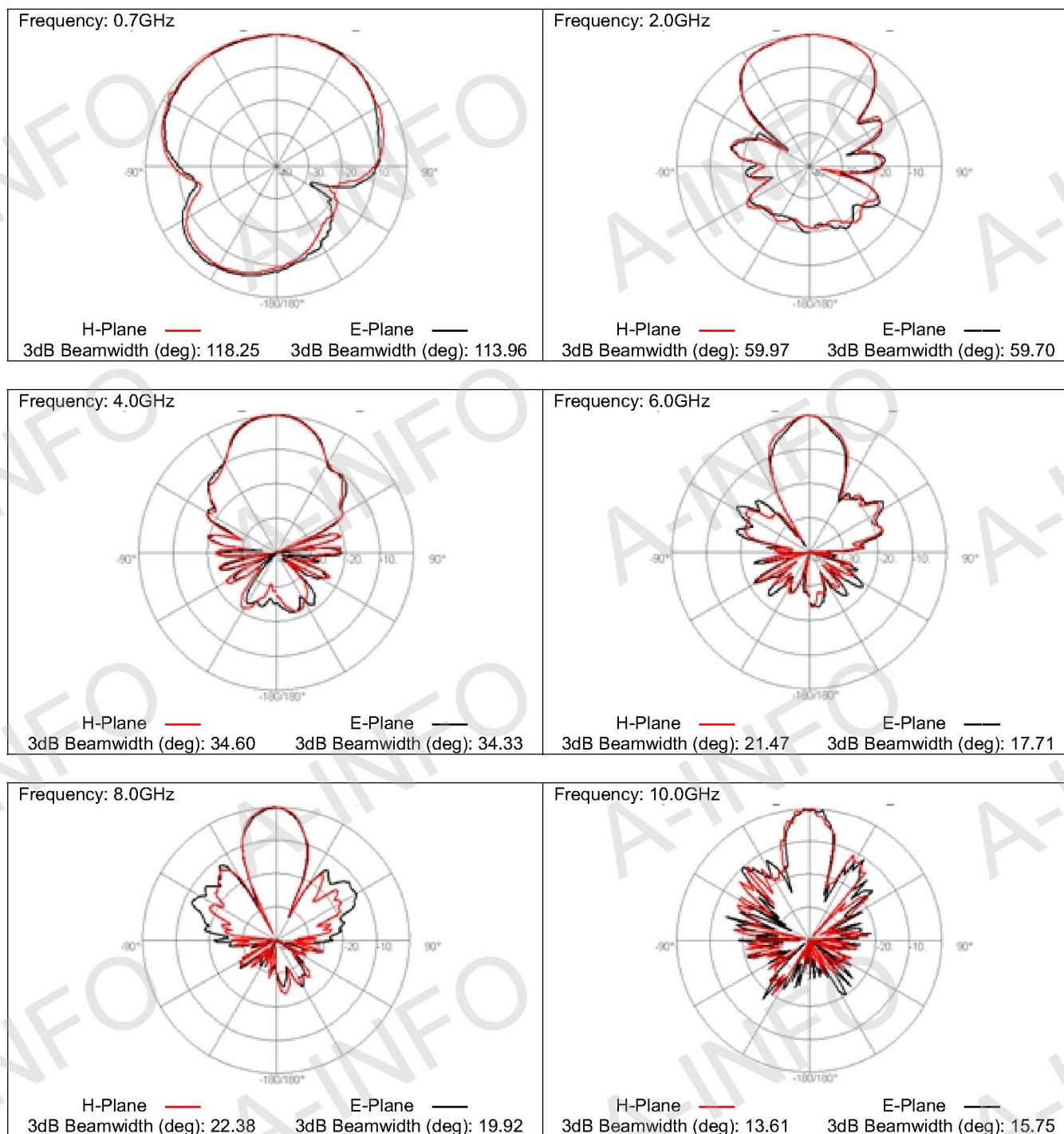
Pattern(Linear Polarization)



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-07100-P04

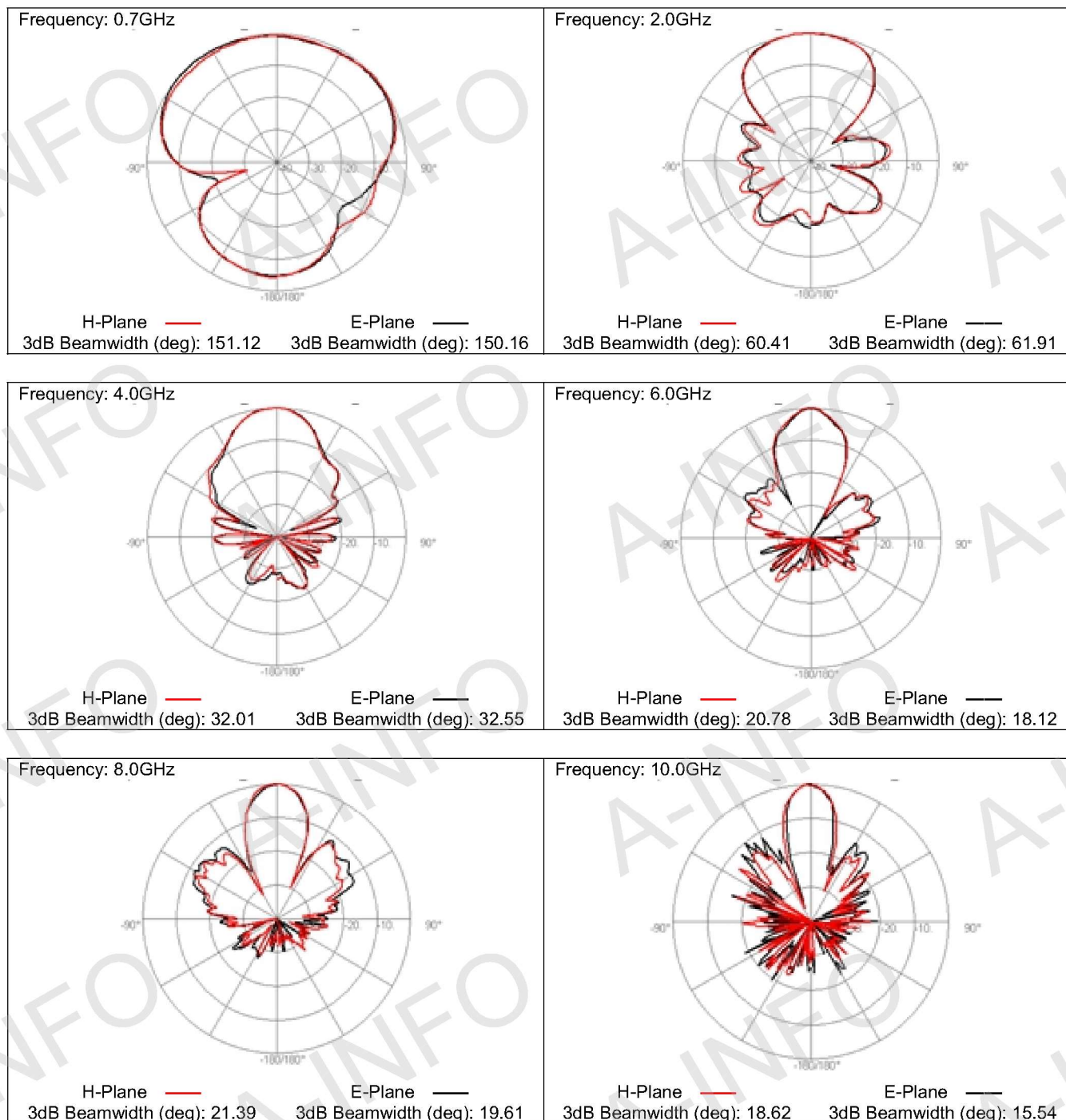
Pattern(LHCP)



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-07100-P04

Pattern(RHCP)



Dual Circular Polarization Horn Antenna

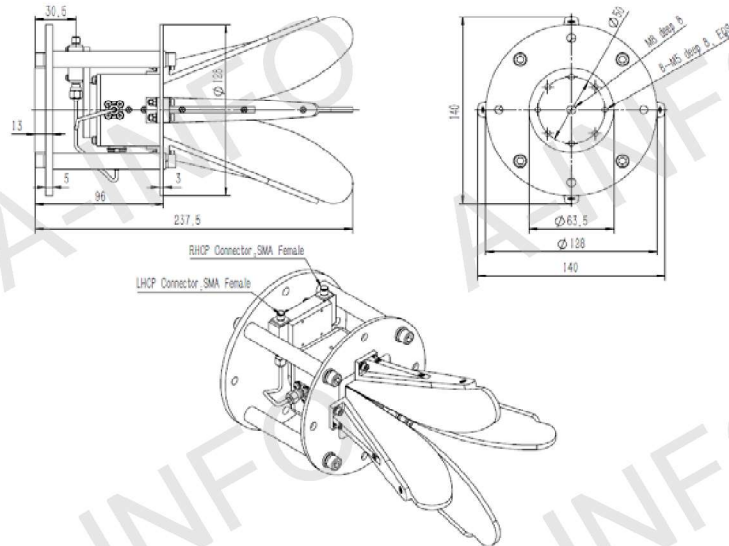
P/N: LB-OSJ-20180-P03



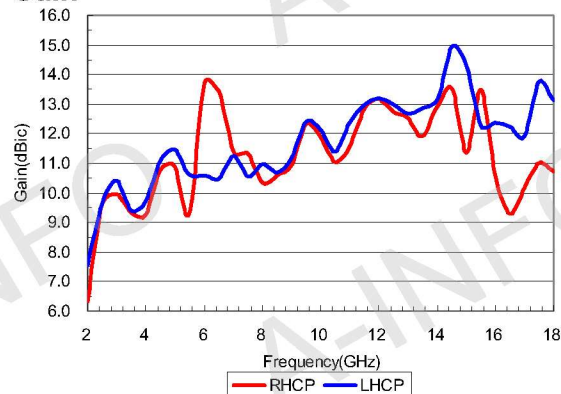
Technical Specification

Frequency(GHz)	2.0-18.0
Gain(dBic)	11.5 Typ.
Polarization	Dual Circular
VSWR	2.0:1 Max
Axial Ratio(dB)	4.0 Typ.
	9.0 Max
3dB Beamwidth(deg)	14-90
Port to Port Isolation(dB)	15 Typ.
Connector	SMA-Female
Power Handling(W)	20 Max. CW
Size(mm)	140 x 140 x 237.5
Net Weight(Kg)	1.1 Around

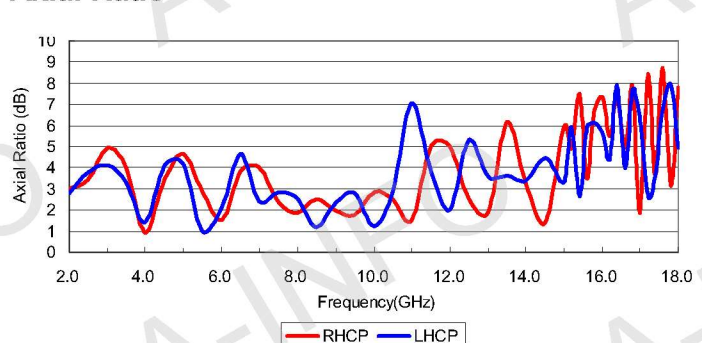
Outline Drawing (Size: mm)



Gain



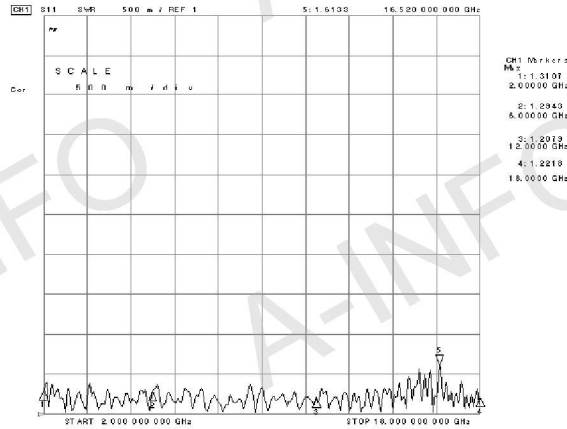
Axial Ratio



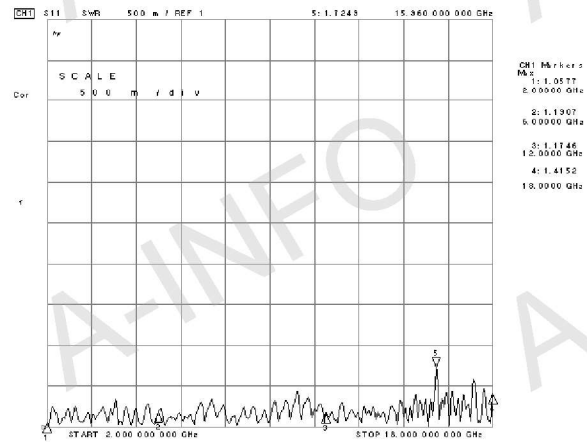
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-20180-P03

VSWR_LHCP

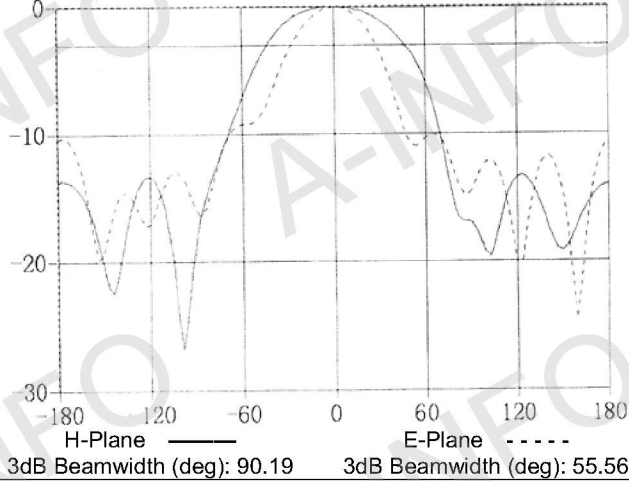


VSWR_RHCP

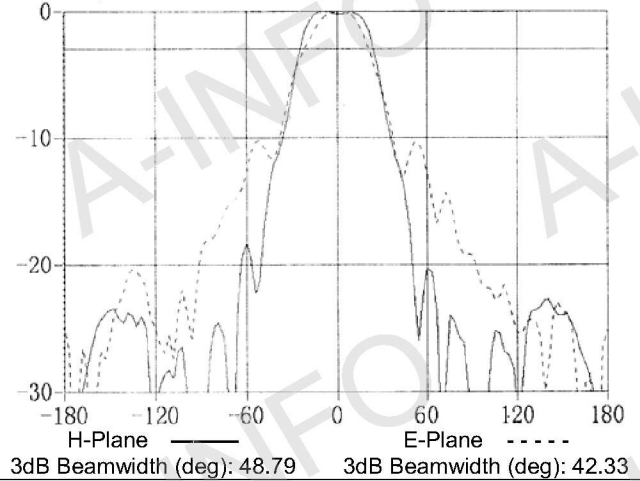


Pattern(LHCP)

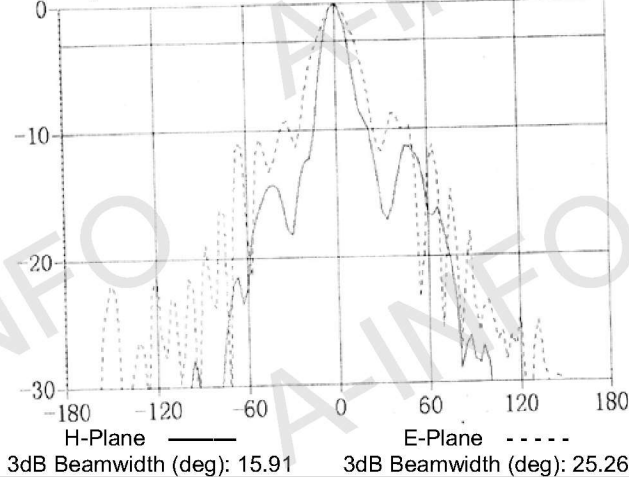
Frequency: 2GHz



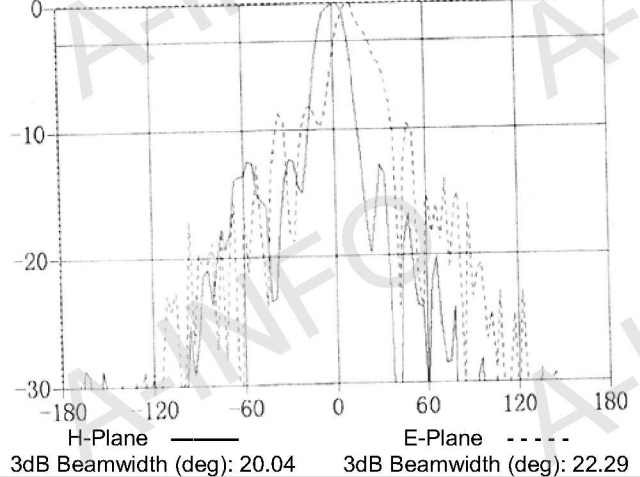
Frequency: 8GHz



Frequency: 12GHz



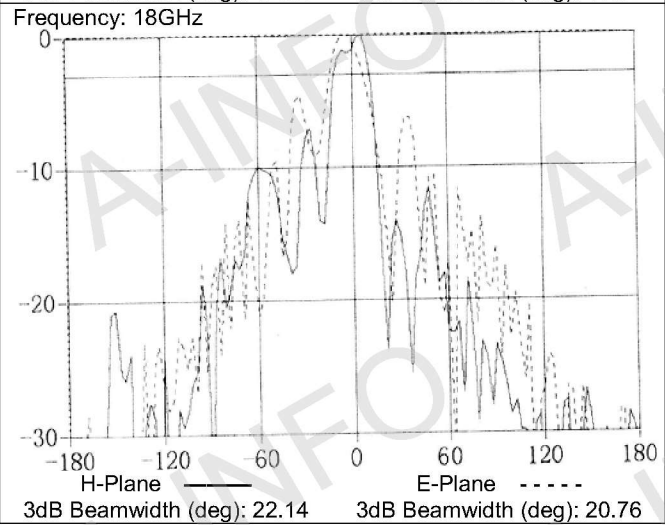
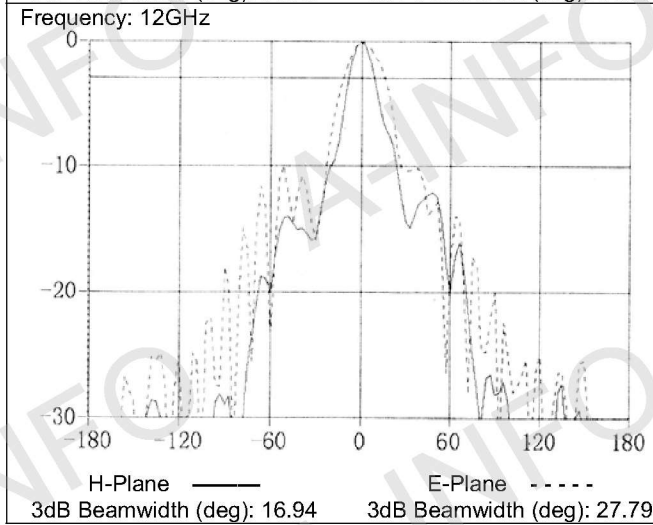
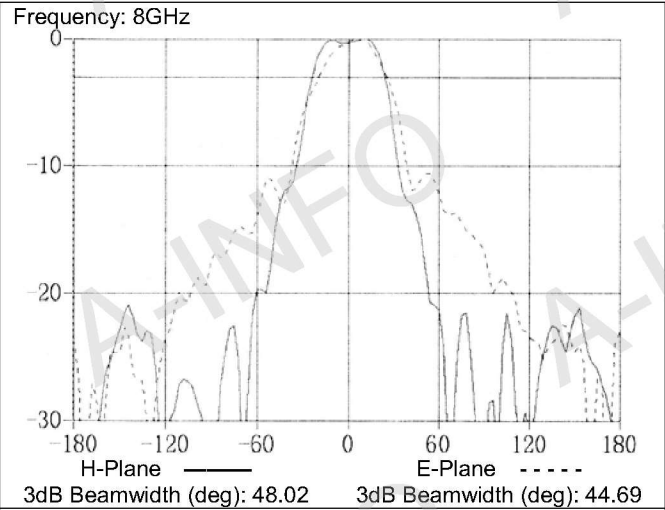
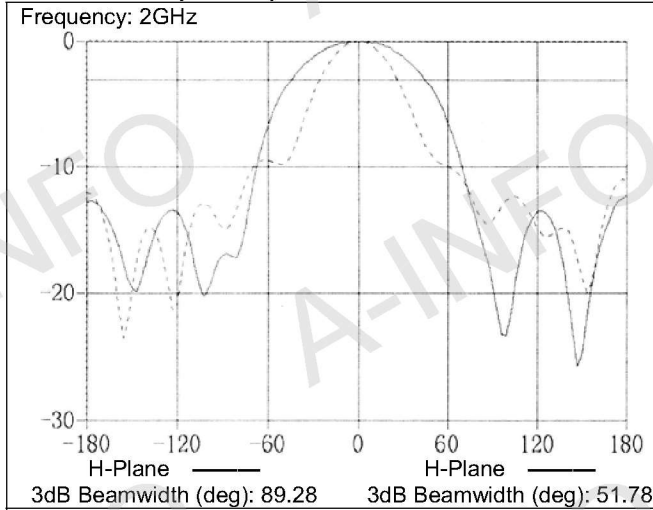
Frequency: 18GHz



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-OSJ-20180-P03

Pattern(RHCP)



Dual Circular Polarization Horn Antenna

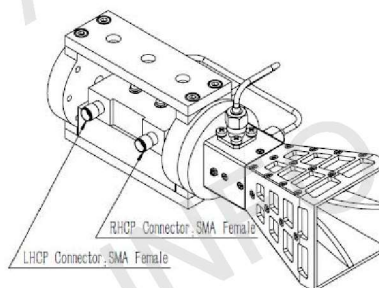
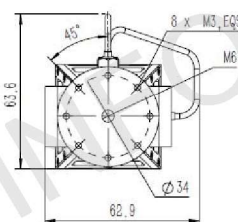
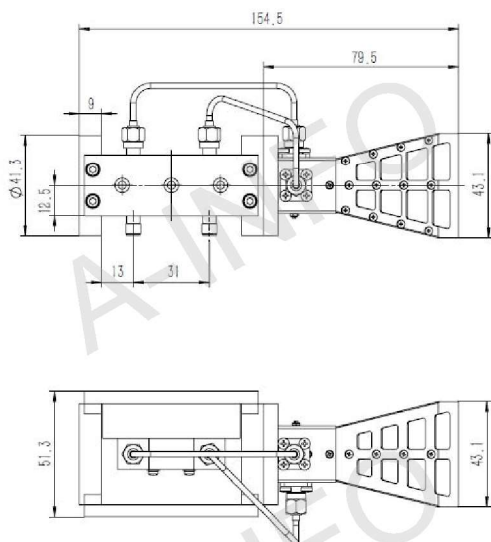
P/N: LB-SJ-60180-P03



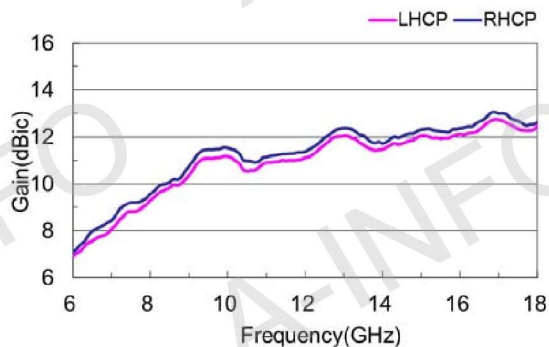
Technical Specification

Frequency(GHz)	6.0-18.0
Gain(dBic)	12 Typ.
Polarization	Dual Circular
VSWR	2.0 Max.
Axial Ratio(dB)	2.0 Typ.
3dB Beamwidth(deg)	75-29
Port to Port Isolation(dB)	15 Typ.
Connector	SMA-Female
Power Handling(W)	20 Max. CW
Size(mm)	62.9 x 63.6 x154.5
Net Weight(Kg)	1.5 Around

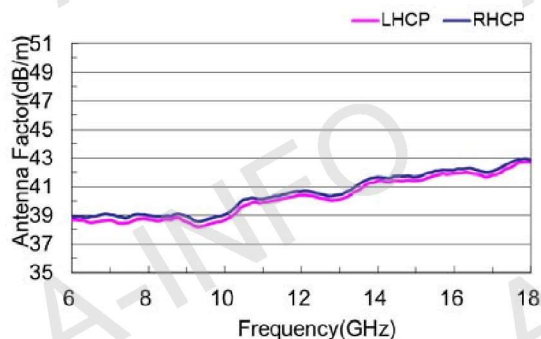
Outline Drawing (Size: mm)



Gain



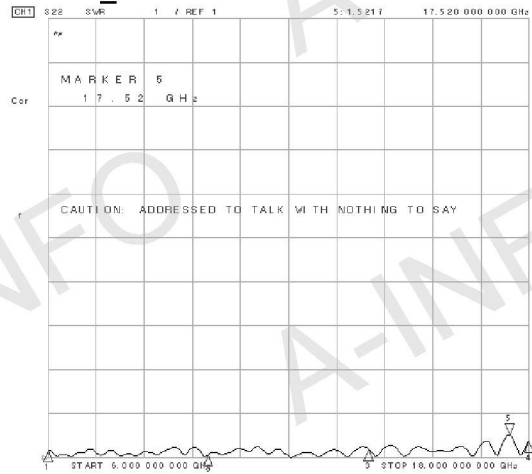
Antenna Factor



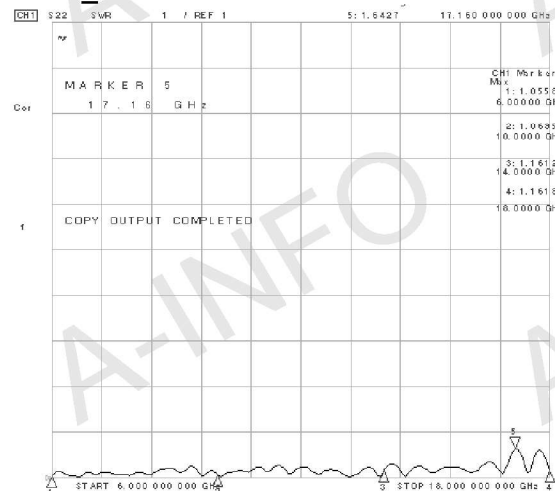
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-60180-P03

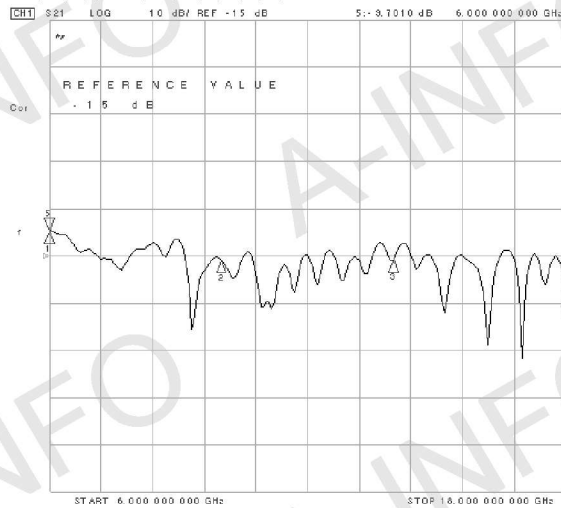
VSWR_LHCP



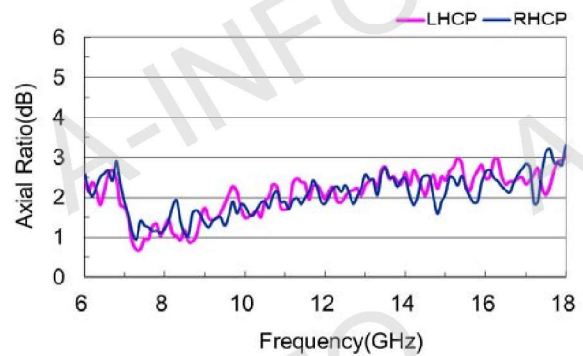
VSWR_RHCP



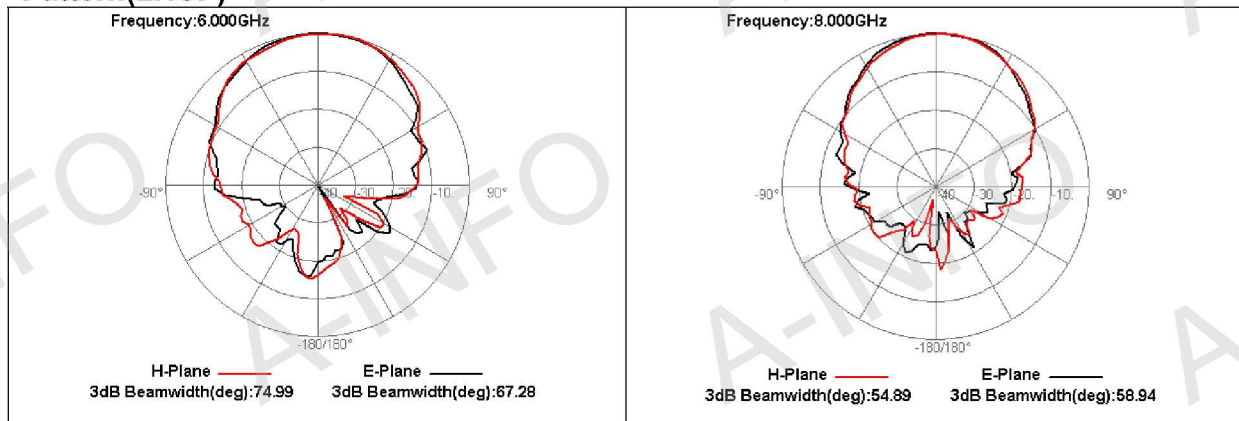
Port to Port Isolation



Axial Ratio



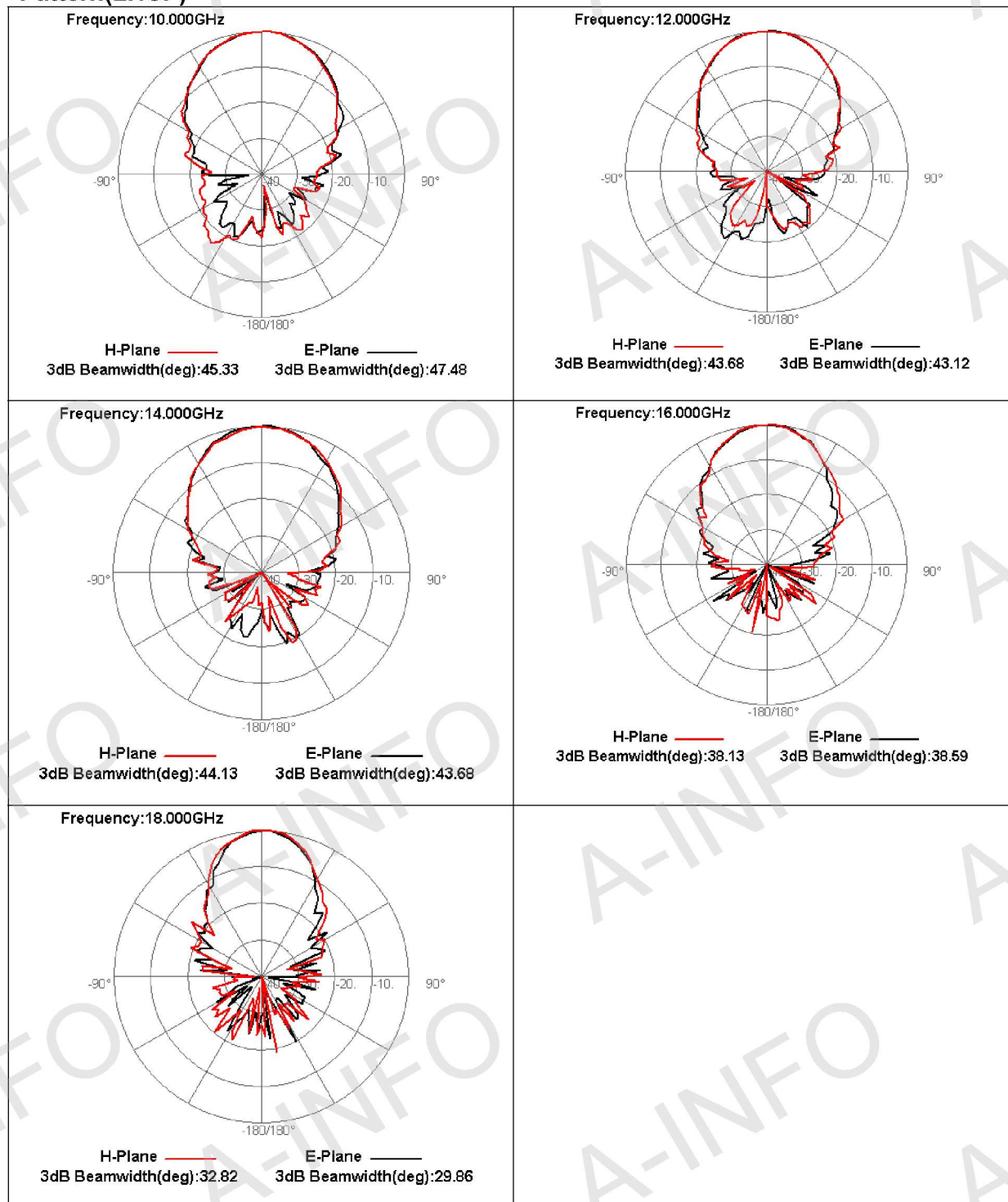
Pattern(LHCP)



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-60180-P03

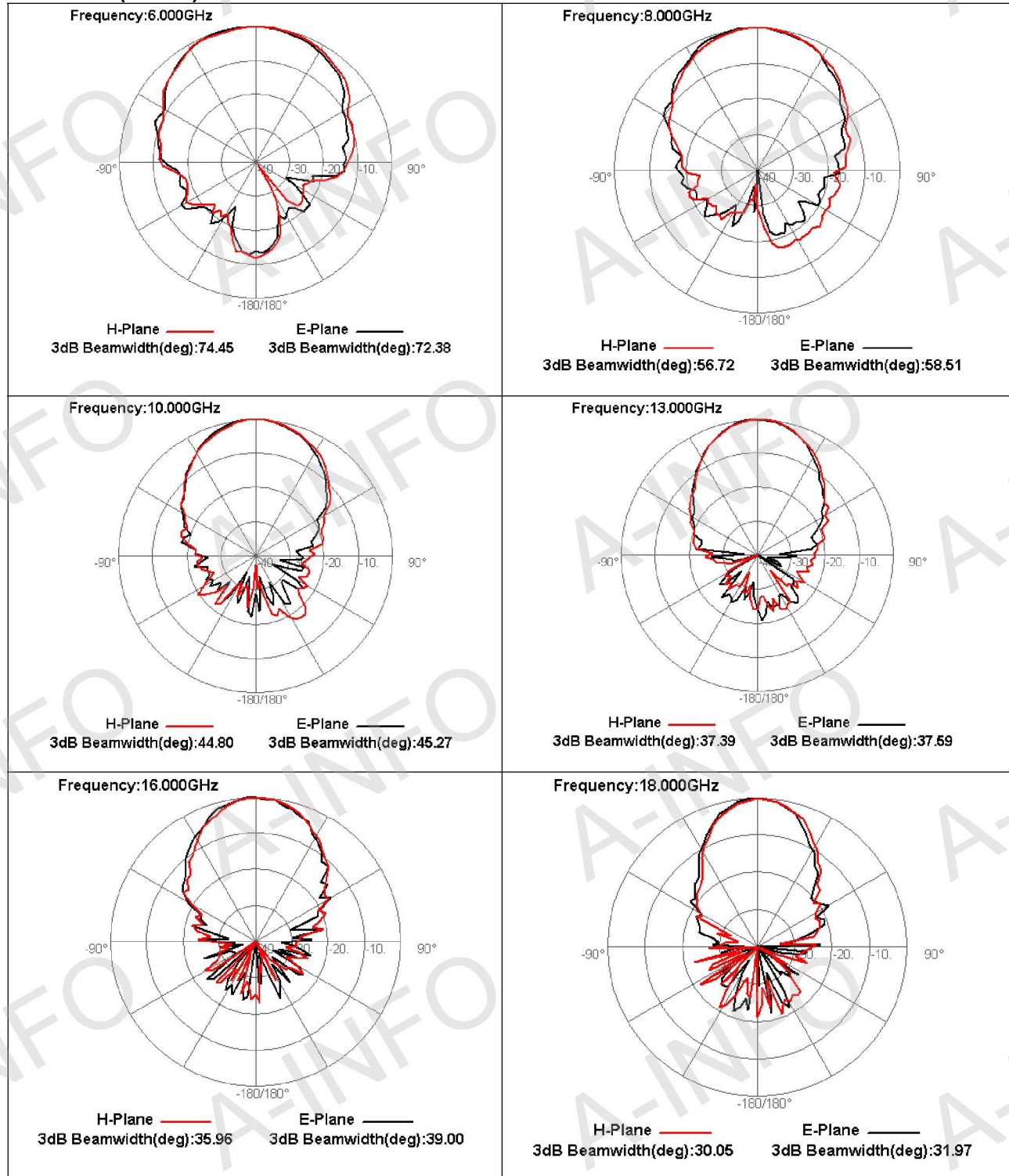
Pattern(LHCP)



Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-60180-P03

Pattern(RHCP)



Dual Circular Polarization Horn Antenna

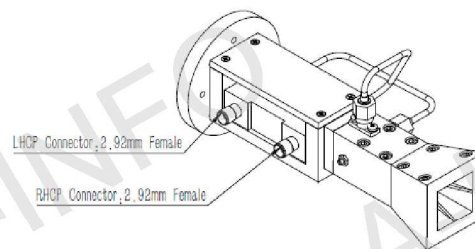
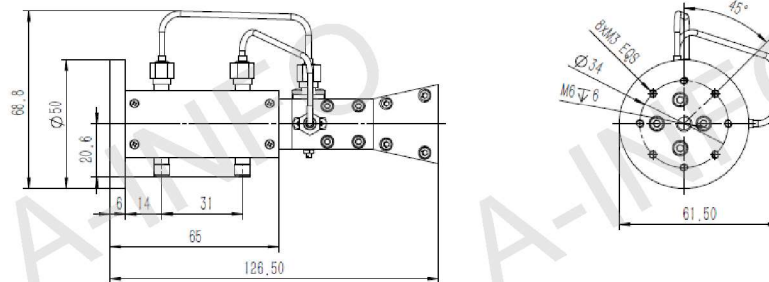
P/N: LB-SJ-180400-P03



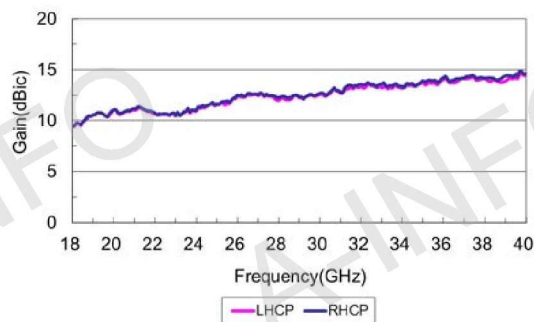
Technical Specification

Frequency(GHz)	18-40
Gain(dBic)	13 Typ.
Polarization	Dual Circular
VSWR	2.0 Max.
Axial Ratio(dB)	1.5 Typ.
	3.0 Max.
3dB Beamwidth(deg)	53-26
Port to Port Isolation(dB)	15 Typ.
Connector	2.92mm-Female
Size(mm)	61.5x68.8x126.5
Net Weight(Kg)	0.38 Around

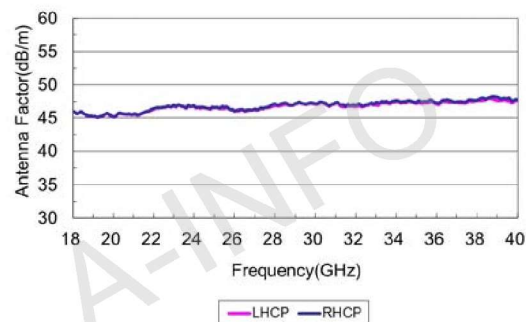
Outline Drawing (Size: mm)



Gain



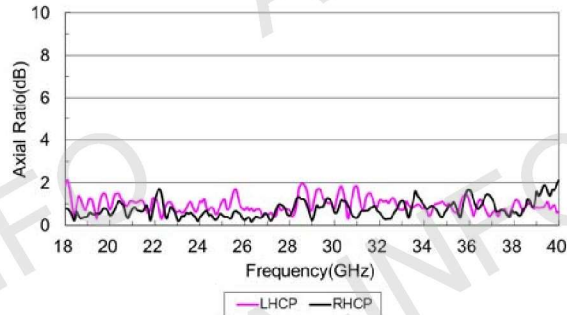
Antenna Factor



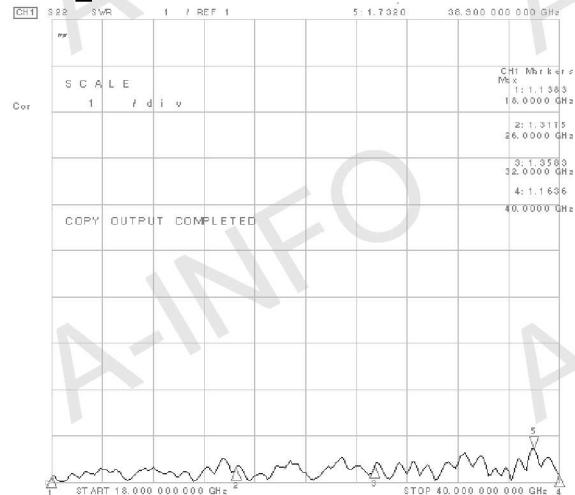
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-180400-P03

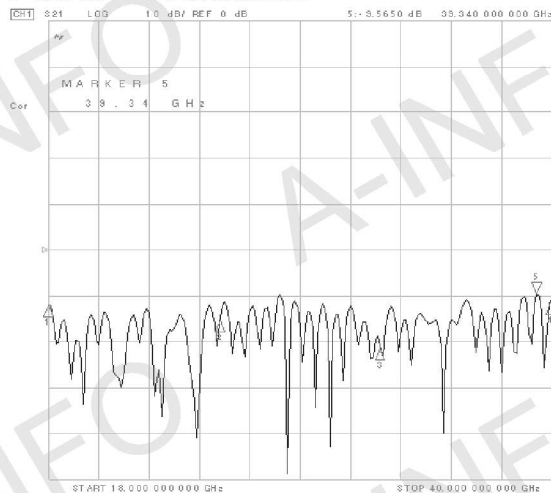
Axial Ratio



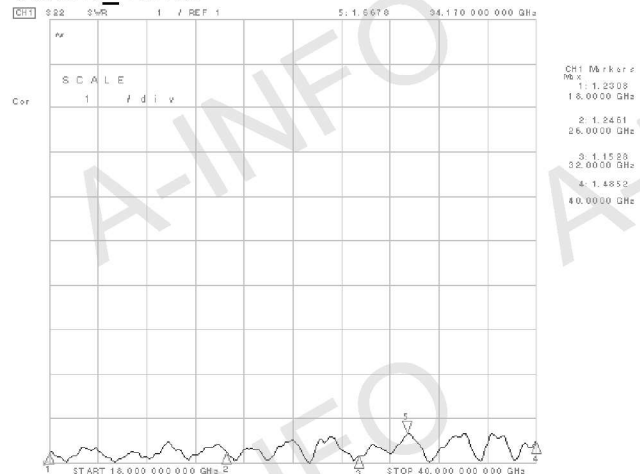
VSWR_LHCP



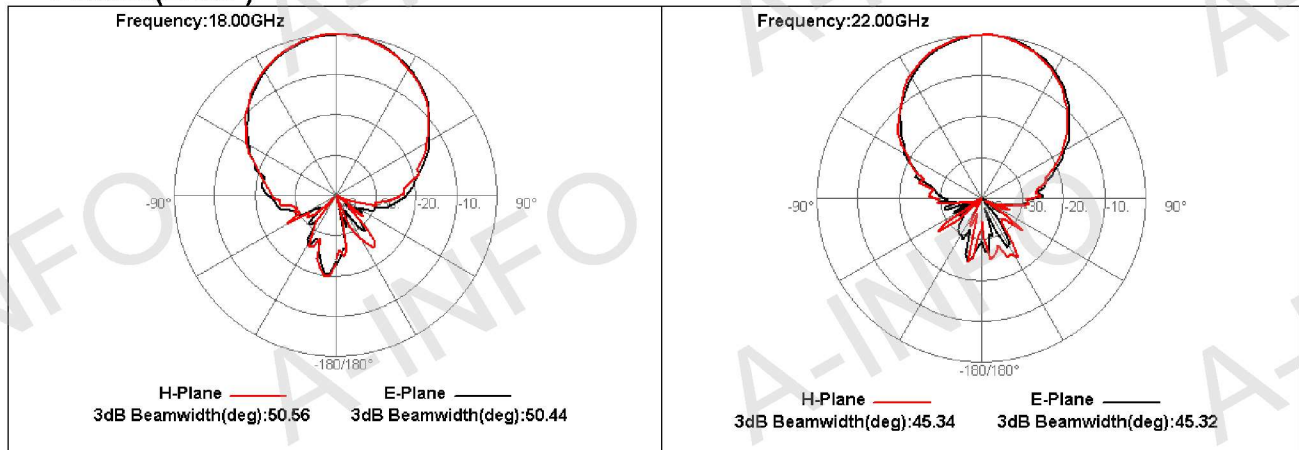
Port to Port Isolation



VSWR_RHCP



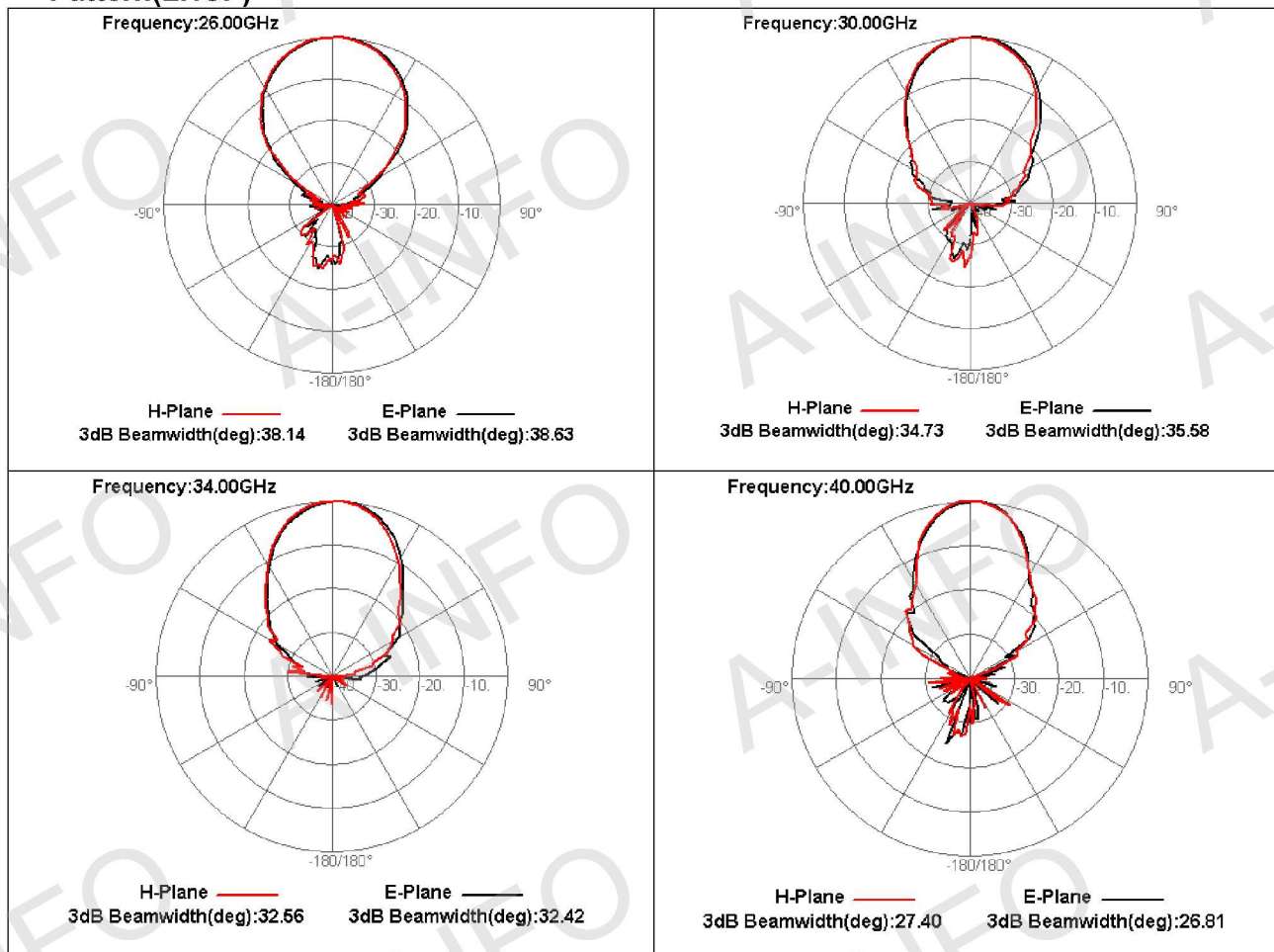
Pattern(LHCP)



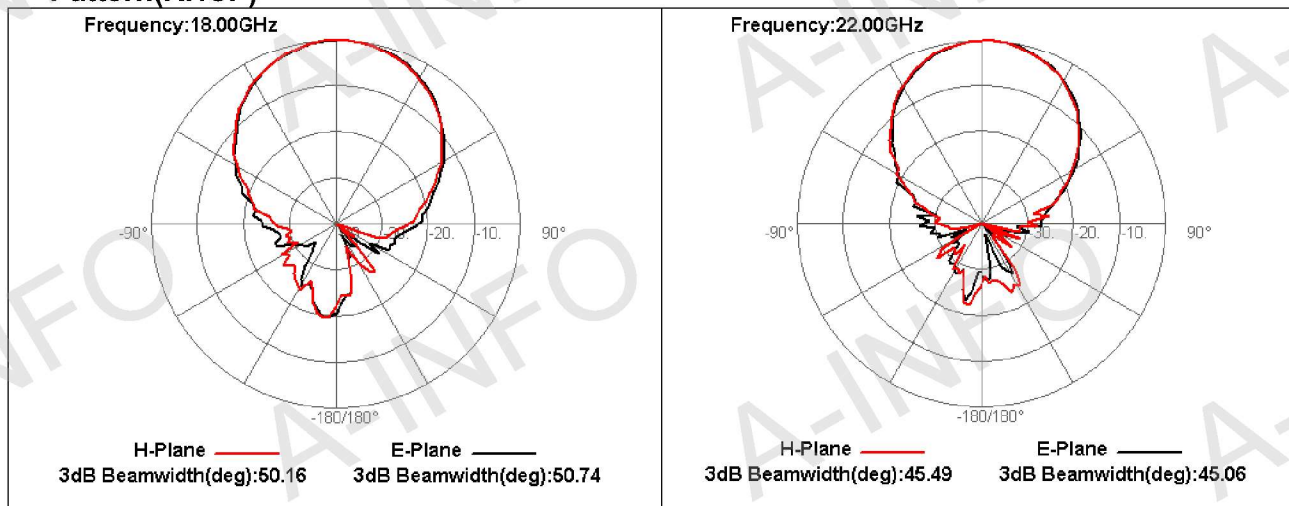
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-180400-P03

Pattern(LHCP)

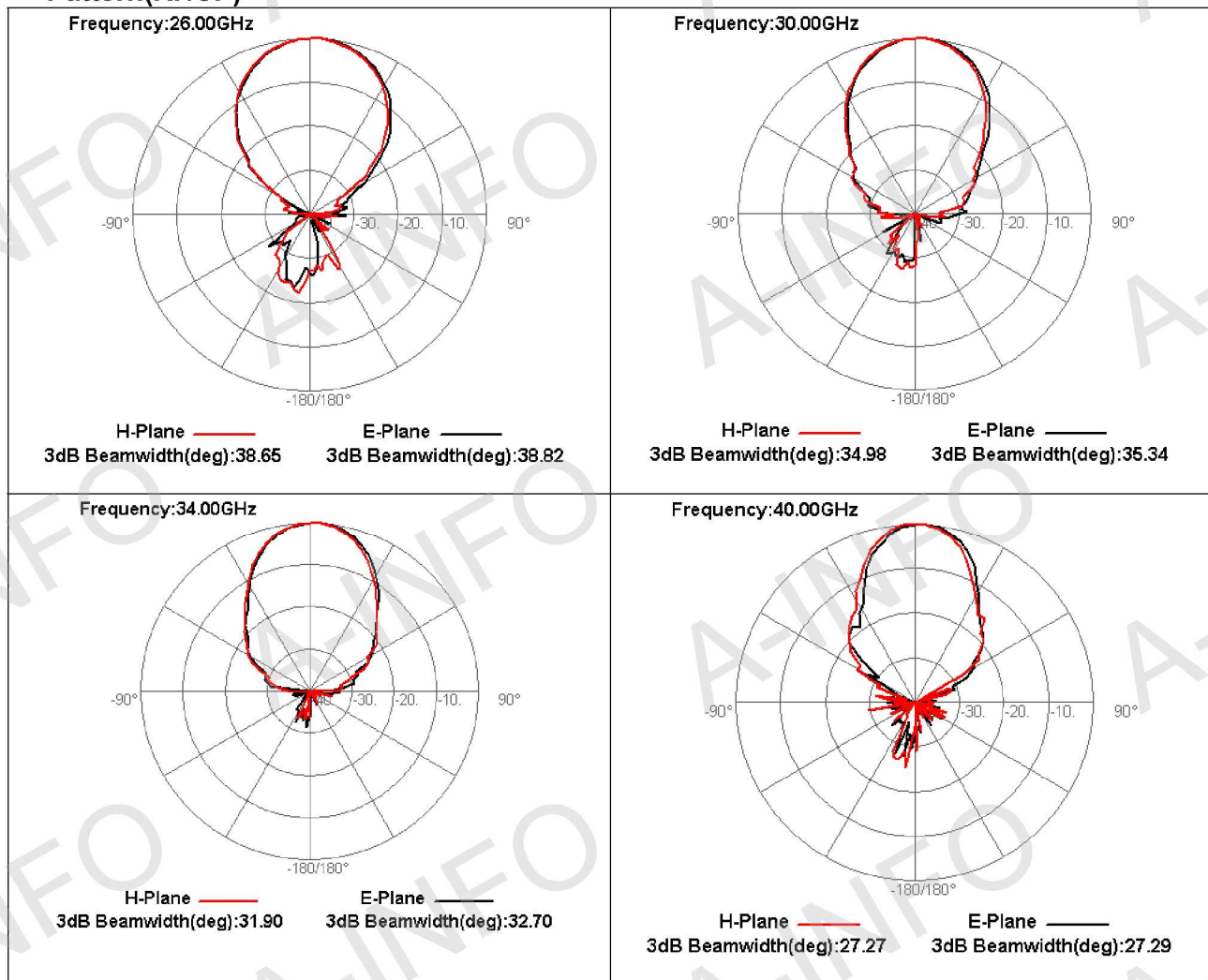


Pattern(RHCP)



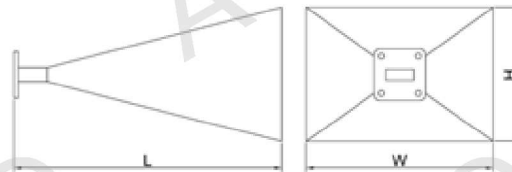
Dual Circular Polarization Horn Antenna(continued)

P/N: LB-SJ-180400-P03

Pattern(RHCP)

Standard Gain Horn Antenna

A Type:



C Type:



The LB series standard gain horn antennas are linearly polarized and provide an efficient low cost means of making measurements. A-INFO's standard gain horn antenna can cover from 320MHz to 220GHz frequency range. These horns are ideally suited for EMI testing, direction finding, surveillance, antenna gain and Pattern measurements and other applications.

Model Information				
Example Part Number: LB -90 -10 -C -SF				
Product Code				
Waveguide Size: WR2300 to WR5				
Gain in dB, Standard gain is 10dB, 15dB, 20dB, 25dB				
Figure Type:				
-A: Waveguide Output				
-C: Coaxial Output. Connector type below needs to be specified				
Figure C Connector Type Option:				
7/16F=7/16 DIN Female;				
NF=N Type-Female; NM=N Type-Male;				
SF=SMA-Female; SM=SMA-Male;				
3.5F=3.5mm-Female; 3.5M=3.5mm-Male;				
KF=2.92mm-Female; KM=2.92mm-Male;				
2.4F=2.4mm-Female; 2.4M=2.4mm-Male;				
1.85F=1.85mm-Female; 1.85M=1.85mm-Male				

Calibration Option

Far Field Calibration Data with Extra Fee

Horn Antenna Accessories

1. Mounting Bracket
2. Tripod
3. Radome
4. Carrying Case

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Standard Gain & download.

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-2300-10-A	0.32-0.49	BJ3 (WR2300)	10	A	FDP3	1068	770	970	Al
LB-2300-10-C-XX				C	NF / SF	1068	770	1502	
LB-2100-10-A	0.35-0.53	BJ4 (WR2100)	10	A	FDP4	975	704	948	Al
LB-2100-10-C-XX				C	NF / SF	975	704	1434	
LB-1800-10-A	0.41-0.62	BJ5 (WR1800)	10	A	FDP5	837	604	812	Al
LB-1800-10-C-XX				C	NF / SF	837	604	1229	
LB-1500-10-A	0.49-0.75	BJ6(WR1500)	10	A	FDP6	698	504	677	Al
LB-1500-10-C-XX				C	NF / SF	698	504	1025	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-1150-10-A	0.64-0.96	BJ8 (WR1150)	15	A	FDP8	536	388	520	Al
LB-1150-10-C-XX				C	NF / SF	536	388	788	
LB-975-10-A	0.75-1.12	BJ9 (WR975)	10	A	FDP9	454	328	440	Al
LB-975-10-C-XX				C	NF / SF	454	328	671	
LB-975-15-A			15	A	FDP9	834	619	619	Al
LB-975-15-C-XX				C	NF / SF	834	619	850	
LB-770-10-A	0.96-1.45	BJ12 (WR770)	10	A	FDP12	384	284	360	Al
LB-770-10-C-XX				C	NF / SF	384	284	526	
LB-770-15-A			15	A	FDP12	667	501	583	Al
LB-770-15-C-XX				C	NF / SF	667	501	749	
LB-650-10-A	1.12-1.70	BJ14 (WR650)	10	A	FDP14	315	235	278	Al
LB-650-10-C-XX				C	NF / SF	315	235	428	
LB-650-15-A			15	A	FDP14	564	424	500	Al
LB-650-15-C-XX				C	NF / SF	564	424	650	
LB-650-20-A			20	A	FDP14	1525	919	779	Al
LB-650-20-C-XX				C	NF / SF	1675	919	779	
LB-510-10-A	1.45-2.20	BJ18 (WR510)	10	A	FDP18	249	184	425	Al
LB-510-10-C-XX				C	NF / SF	249	184	536	
LB-510-15-A			15	A	FDP18	441	327	400	Al
LB-510-15-C-XX				C	NF / SF	441	327	511	
LB-430-10-A	1.70-2.60	BJ22(WR430)	10	A	FDP22	209	154	345	Al
LB-430-10-C-XX				C	NF / SF	209	154	445	
LB-430-15-A			15	A	FDP22	375	279	375	Al
LB-430-15-C-XX				C	NF / SF	375	279	475	
LB-430-20-A			20	A	FDP22	613	517	1095	Al
LB-430-20-C-XX				C	NF / SF	613	517	1195	
LB-340-10-A	2.20-3.30	BJ26 (WR340)	10	A	FDP26	163	123	270	Al
LB-340-10-C-XX				C	NF / SF	163	123	362	
LB-340-15-A			15	A	FDP26	309	238	294	Al
LB-340-15-C-XX				C	NF / SF	309	238	386	
LB-340-20-A			20	A	FDP26	485	410	870	Al
LB-340-20-C-XX				C	NF / SF	485	410	962	
LB-284-10-A	2.60-3.95	BJ32 (WR284)	10	A	FDP32	143	103	230	Al
LB-284-10-C-XX				C	NF / SF	143	103	309	
LB-284-15-A			15	A	FDP32	224	169	270	Al
LB-284-15-C-XX				C	NF / SF	224	169	349	
LB-284-20-A			20	A	FDP32	405	325	550	Al
LB-284-20-C-XX				C	NF / SF	405	325	629	
LB-229-10-A	3.30-4.90	BJ40 (WR229)	10	A	FDP40	113	79	160	Al
LB-229-10-C-XX				C	NF / SF	113	79	225	
LB-229-15-A			15	A	FDP40	211	148	260	Al
LB-229-15-C-XX				C	NF / SF	211	148	325	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-229-20-A	3.30-4.90	BJ40 (WR229)	20	A	FDP40	345	264	388	Al
LB-229-20-C-XX				C	NF / SF	345	264	453	
LB-187-10-A	3.95-5.85	BJ48 (WR187)	10	A	FDP48	93	69	190	Al
LB-187-10-C-XX				C	NF / SF	93	69	244	
LB-187-15-A			15	A	FDP48	168	118	210	Al
LB-187-15-C-XX				C	NF / SF	168	118	264	
LB-187-20-A			20	A	FDP48	274	212	350	Al
LB-187-20-C-XX				C	NF / SF	274	212	404	
LB-187-25-A			25	A	FDP48	600	560	1696	Al
LB-187-25-C-XX				C	NF / SF	600	560	1750	
LB-159-10-A	4.90-7.05	BJ58 (WR159)	10	A	FDP58	72	54.5	125	Al
LB-159-10-C-XX				C	NF / SF	72	54.5	175	
LB-159-15-A			15	A	FDP58	138	103	180	Al
LB-159-15-C-XX				C	NF / SF	138	103	230	
LB-159-20-A			20	A	FDP58	225	173	265	Al
LB-159-20-C-XX				C	NF / SF	225	173	315	
LB-137-10-A	5.85-8.20	BJ70 (WR137)	10	A	FDP70	63	49	110	Al
LB-137-10-C-XX				C	NF / SF	63	49	158	
LB-137-15-A			15	A	FDP70	143	113	170	Al
LB-137-15-C-XX				C	NF / SF	143	113	218	
LB-137-20-A			20	A	FDP70	197	153	290	Al
LB-137-20-C-XX				C	NF / SF	197	153	338	
LB-137-25-A			25	A	FDP70	444	414	1400	Al
LB-137-25-C-XX				C	NF / SF	444	414	1448	
LB-112-10-A	7.05-10.0	BJ84 (WR112)	10	A	FBP84	52	39	90	Al
LB-112-10-C-XX				C	NF / SF	52	39	130	
LB-112-15-A			15	A	FBP84	102	71	140	Al
LB-112-15-C-XX				C	NF / SF	102	71	180	
LB-112-20-A			20	A	FBP84	172	128	230	Al
LB-112-20-C-XX				C	NF / SF	172	128	270	
LB-90-10-A	8.20-12.4	BJ100 (WR90)	10	A	FBP100	42	41.4	75	Al
LB-90-10-C-XX				C	SF / NF	42	49.6	113	
LB-90-15-A			15	A	FBP100	84	60	105	Al
LB-90-15-C-XX				C	SF / NF	84	60	143	
LB-90-20-A			20	A	FBP100	138	107	200	Al
LB-90-20-C-XX				C	SF / NF	138	107	238	
LB-90-25-A			25	A	FBP100	244	204	640	Al
LB-90-25-C-XX				C	SF / NF	244	204	678	
LB-75-10-A	10.0-15.0	BJ120 (WR75)	10	A	FBP120	38	29	65	Al
LB-75-10-C-XX				C	SF / NF	38	29	95	
LB-75-15-A			15	A	FBP120	68	48	90	Al
LB-75-15-C-XX				C	SF / NF	68	48	120	
LB-75-20-A			20	A	FBP120	103	83	155	Al
LB-75-20-C-XX				C	SF / NF	103	83	185	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-75-25-A	10.0-15.0	BJ120 (WR75)	25	A	FBP120	185	155	400	Al
LB-75-25-C-XX				C	SF / NF	185	155	430	
LB-62-10-A	12.4-18.0	BJ140 (WR62)	10	A	FBP140	32	23.5	60	Al
LB-62-10-C-XX				C	SF / NF	32	23.5	87	
LB-62-15-A			15	A	FBP140	50	35	60	Al
LB-62-15-C-XX				C	SF / NF	50	35	87	
LB-62-20-A			20	A	FBP140	93	72	135	Al
LB-62-20-C-XX				C	SF / NF	93	72	162	
LB-62-25-A2			25	A	FBP140	155	140	336	Al
LB-62-25-C2-XX				C	SF / NF	155	140	363	
LB-51-10-A	15.0-22.0	BJ180 (WR51)	10	A	FBP180	27	18.6	47	Cu
LB-51-10-C-XX				C	SF	27	18.6	74	
LB-51-15-A			15	A	FBP180	44	34	60	Cu
LB-51-15-C-XX				C	SF	44	34	87	
LB-51-20-A			20	A	FBP180	77	60	110	Cu
LB-51-20-C-XX				C	SF	77	60	137	
LB-51-25-A			25	A	FBP180	130	100	260	Cu
LB-51-25-C-XX				C	SF	130	100	287	
LB-42-10-A	18.0-26.5	BJ220 (WR42)	10	A	FBP220	22.4	22.4	42	Cu
LB-42-10-C-XX				C	SF/KF/3.5F	22.4	27.76	67	
LB-42-15-A			15	A	FBP220	34	24.5	48	Cu
LB-42-15-C-XX				C	SF/KF/3.5F	34	24.5	73	
LB-42-20-A			20	A	FBP220	64.3	50.3	90	Cu
LB-42-20-C-XX				C	SF/KF/3.5F	64.3	50.3	125	
LB-42-25-A2			25	A	FBP220	105	90	271	Al
LB-42-25-C2-XX				C	SF/KF/3.5F	105	90	296	
LB-34-10-A	22.0-33.0	BJ260 (WR34)	10	A	FBP260	18	14	39	Cu
LB-34-10-C-XX				C	KF	18	14	64	
LB-34-15-A			15	A	FBP260	31	22	42	Cu
LB-34-15-C-XX				C	KF	31	22	67	
LB-34-20-A			20	A	FBP260	54	42	95	Cu
LB-34-20-C-XX				C	KF	54	42	120	
LB-34-25-A			25	A	FBP260	92	72	220	Cu
LB-34-25-C-XX				C	KF	92	72	245	
LB-28-10-A	26.5-40.0	BJ320(WR28)	10	A	FBP320	19.1	19.1	31	Cu
LB-28-10-C-XX				C	KF/2.4F	19.1	25.7	55	
LB-28-15-A			15	A	FBP320	20.2	19.1	36	Cu
LB-28-15-C-XX				C	KF/2.4F	20.2	25.7	60	
LB-28-20-A			20	A	FBP320	40.4	31.9	70	Cu
LB-28-20-C-XX				C	KF/2.4F	40.4	32.1	94	
LB-28-25-A2			25	A	FBP320	71	70	172	Cu
LB-28-25-C2-XX				C	KF/2.4F	71	70	196	
LB-28-25-C2-EKF			25	C	KF	71	70	206.4	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-22-10-A	33.0-50.0	BJ400(WR22)	10	A	FUGP400	12.5	9.8	30	Cu
LB-22-10-C-2.4F	33.0-50.0			C	2.4F	12.5	9.8	55	
LB-22-15-A	33.0-50.0		15	A	FUGP400	20.5	14	30	Cu
LB-22-15-C-2.4F	33.0-50.0			C	2.4F	20.5	14	55	
LB-22-20-A	33.0-50.0		20	A	FUGP400	35	27	51.4	Cu
LB-22-20-C-2.4F	33.0-50.0			C	2.4F	35	27	76.4	
LB-22-25-A2	33.0-50.0		25	A2	FUGP400	60	60	150	Cu
LB-22-25-C2-2.4F	33.0-50.0			C2	2.4F	60	60	175	
LB-19-10-A	40.0-60.0	BJ500(WR19)	10	A	FUGP500	11	8.5	25	Cu
LB-19-10-2.4F	40.0-50.0			C	2.4F	11	8.5	50	
LB-19-10-C-1.85F	40.0-60.0			C	1.85F	11	8.5	51	
LB-19-15-A	40.0-60.0		15	A	FUGP500	17	12	25	Cu
LB-19-15-C-2.4F	40.0-50.0			C	2.4F	17	12	50	
LB-19-15-C-1.85F	40.0-60.0			C	1.85F	17	12	51	
LB-19-20-A	40.0-60.0		20	A	FUGP500	31.4	25.3	50	Cu
LB-19-20-C-2.4F	40.0-50.0			C	2.4F	31.4	25.3	75	
LB-19-20-C-1.85F	40.0-60.0			C	1.85F	31.4	25.3	76	
LB-19-25-A	40.0-60.0		25	A	FUGP500	49	41	130	Cu
LB-19-25-C-2.4F	40.0-50.0			C	2.4F	49	41	155	
LB-19-25-C-1.85F	40.0-60.0			C	1.85F	49	41	156	
LB-15-10-A	50.0-75.0	BJ620(WR15)	10	A	FUGP620	19.1	19.1	40	Cu
LB-15-10-C-1.85F	50.0-65.0			C	1.85F	19.1	26.7	68	
LB-15-15-A	50.0-75.0		15	A	FUGP620	19.1	19.1	40	Cu
LB-15-15-C-1.85F	50.0-65.0			C	1.85F	19.1	26.7	68	
LB-15-20-A	50.0-75.0		20	A	FUGP620	21.6	19.1	47.3	Cu
LB-15-20-C-1.85F	50.0-65.0			C	1.85F	21.6	26.7	75.3	
LB-15-25-A	50.0-75.0		25	A	FUGP620	36.8	29.8	91.4	Cu
LB-15-25-C-1.85F	50.0-65.0			C	1.85F	36.8	32	119.4	
LB-12-10-A	60.0-90.0	BJ740(WR12)	10	A	FUGP740	19.1	19.1	20	Cu
LB-12-15-A			15	A	FUGP740	19.1	19.1	25	Cu
LB-12-20-A			20	A	FUGP740	18.6	18.6	31.4	Cu
LB-12-25-A			25	A	FUGP740	30.8	24.8	82	Cu
LB-10-10-A	75.0-110.0	BJ900(WR10)	10	A	FUGP900	19.1	19.1	20	Cu
LB-10-15-A			15	A	FUGP900	19.1	19.1	25	Cu
LB-10-20-A			20	A	FUGP900	19.1	19.1	31.4	Cu
LB-10-25-A			25	A	FUGP900	26.8	20.8	70	Cu

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-8-10-A	90.0-140.0	BJ1200(WR8)	10	A	UG387	6.19	4.82	-	Cu
LB-8-15-A			15	A	UG387	9.07	7.29	-	Cu
LB-8-20-A			20	A	UG387	14.30	11.62	24	Cu
LB-8-25-A			25	A	UG387	21.4	16.6	51	Cu
LB-6-10-A	110.0-170.0	BJ1400(WR6)	10	A	UG387	5.34	4.25	-	Cu
LB-6-15-A			15	A	UG387	7.65	6.21	-	Cu
LB-6-20-A			20	A	UG387	11.82	9.66	20	Cu
LB-6-25-A			25	A	UG387	17.5	13.6	41	Cu
LB-5-10-A	140.0-220.0	BJ1800(WR5)	10	A	UG387	4.64	3.77	-	Cu
LB-5-15-A			15	A	UG387	6.45	5.32	-	Cu
LB-5-20-A			20	A	UG387	9.74	8.05	17	Cu
LB-5-25-A			25	A	UG387	13.9	10.8	32.2	Cu

Note: A-INFO can offer WG to coaxial adapter for each horn antenna. Connector Type can be SMA or N Type or customized.

Standard Gain Horn Antenna 8.20~12.4GHz

P/N: LB-90-15

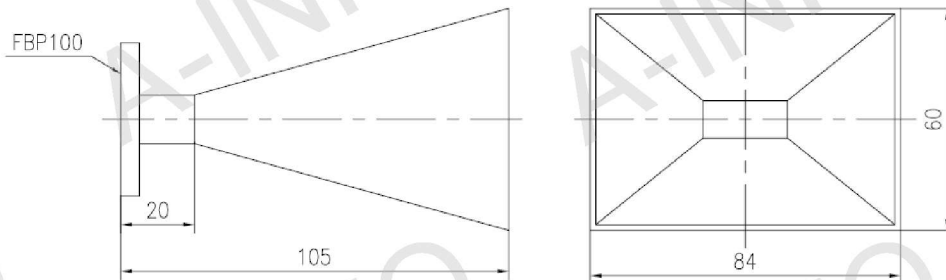


Technical Specification

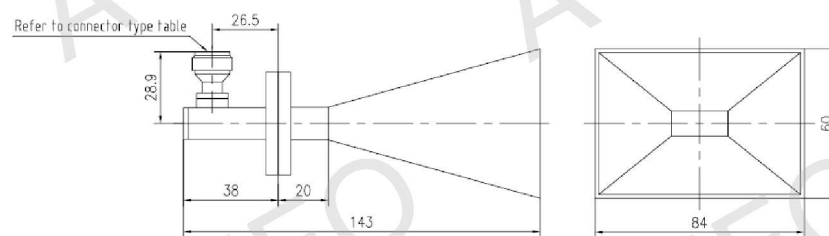
Frequency Range(GHz)	8.2 - 12.4
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR90
Material	Al
Output	A Type: FBP100 C Type: N/SMA/3.5mm/TNC/7mm
Size(mm) W x H x L	A Type: 84x60x105 C Type: 84x60x143
Net Weight(Kg)	A Type: 0.1 Around C Type: 0.15 Around

Outline Drawing (Size: mm)

A Type



C Type

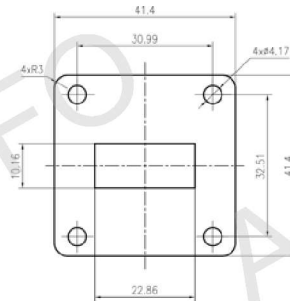
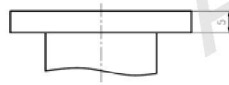


Connector type	
1	N type Female / Male
2	SMA Female / Male
3	3.5mm Female / Male
4	TNC Female / Male
5	7mm

Standard Gain Horn Antenna 8.20~12.4GHz (continued)

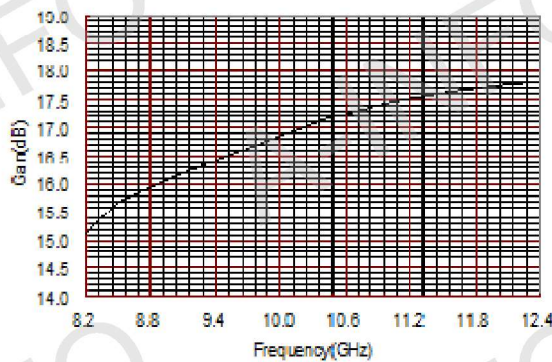
P/N: LB-90-15

Flange Drawing (Size: mm)

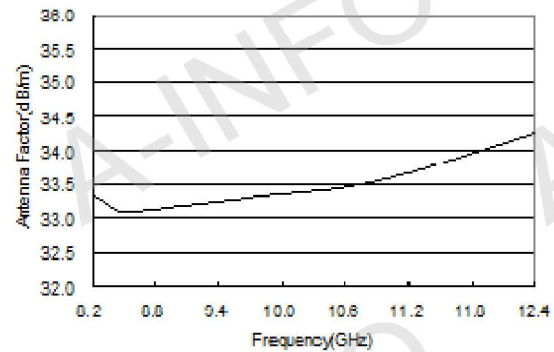


FBP100

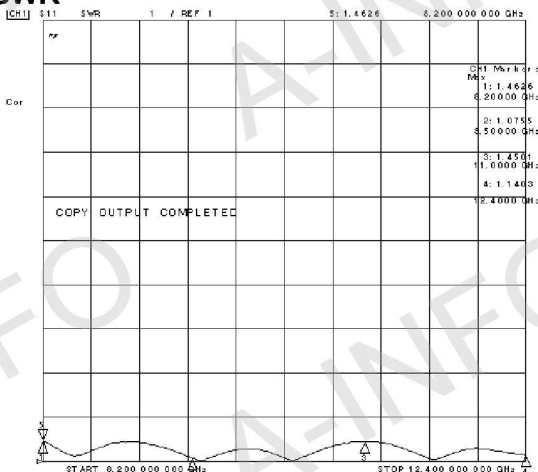
Gain



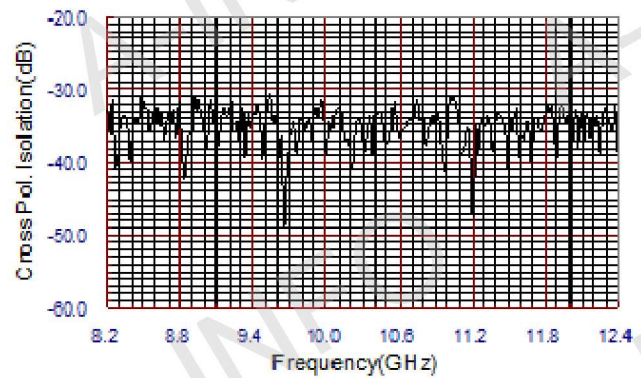
Antenna Factor



VSWR



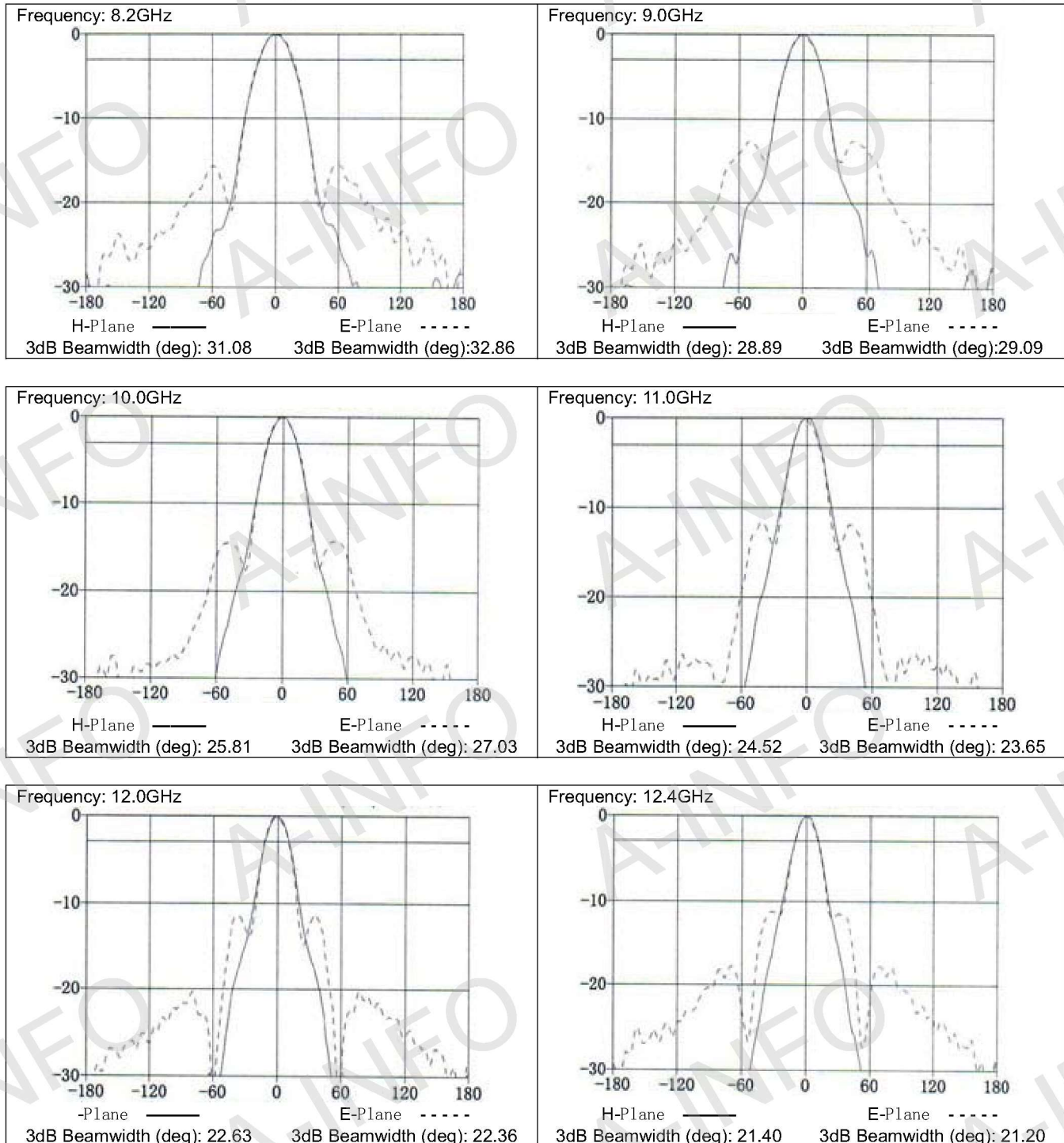
Cross Polarization Isolation



Standard Gain Horn Antenna 8.20~12.4GHz (continued)

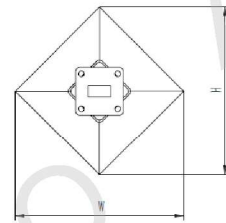
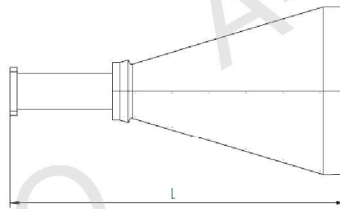
P/N: LB-90-15

Pattern

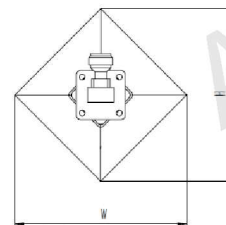
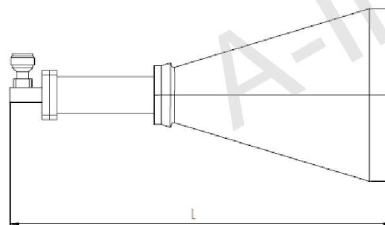


Diagonal Horn Antenna

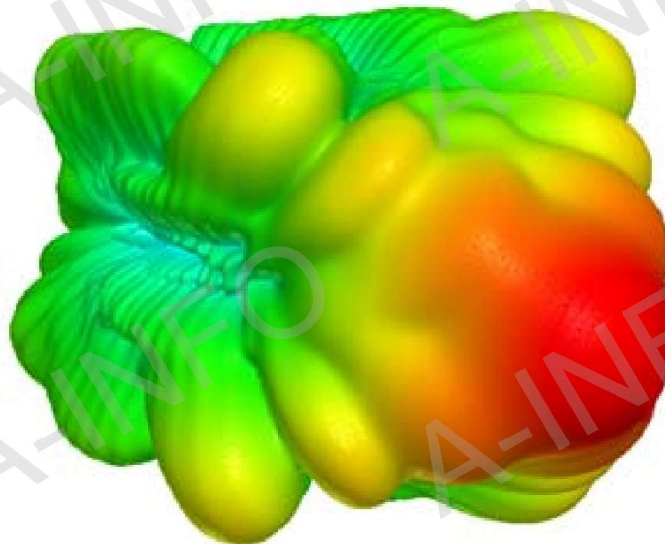
A Type, WG Output:



C Type, Coaxial Output:



Typical 3D Radiation Pattern



The LB-DG series diagonal horn antennas are linearly polarized and provide a symmetrical radiation pattern and extremely low side-lobes. A-INFO's diagonal horn antenna can cover from 750MHz to 220GHz frequency range. These horns are ideally suited for illumination of anechoic chamber, antenna far field test, radar cross section (RCS) measurement and other applications.

Model Information

Example Part Number: LB-DG -90 -10 -C -SF

Product Code

Waveguide Size: WR975 to WR5

Gain in dB, Standard gain is 15dB, 20dB, 25dB

Figure Type:

-A: Waveguide Output

-C: Coaxial Output. Connector type below needs to be specified

Figure C Connector Type Option:

7/16F=7/16 DIN Female

NF=N Type-Female; NM=N Type-Male;

SF=SMA-Female; SM=SMA-Male;

3.5F=3.5mm-Female; 3.5M=3.5mm-Male;

KF=2.92mm-Female; KM=2.92mm-Male;

2.4F=2.4mm-Female; 2.4M=2.4mm-Male;

1.85F=1.85mm-Female; 1.85M=1.85mm-Male

Calibration Option

Far Field Calibration Data with Extra Fee

Horn Antenna Accessories

1. Mounting Bracket
2. Tripod
3. Radome
4. Carrying Case

For detailed test data, pls. Log on www.ainfoinc.com – Antenna –Diagonal Horn and download.

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-DG-975-15-A	0.75-1.12	WR975	15	A	FDP9	-	-	-	Al
LB-DG-975-15-C-XX				C	NF / SF	-	-	-	
LB-DG-770-15-A	0.96-1.45	WR770	15	A	FDP12	840.6	840.6	1148	Al
LB-DG-770-15-C-XX				C	NF / SF	840.6	840.6	1314	
LB-DG-650-15-A	1.12-1.70	WR650	15	A	FDP14	-	-	-	Al
LB-DG-650-15-C-XX				C	NF / SF	-	-	-	
LB-DG-510-15-A	1.45-2.20	WR510	15	A	FDP18	557.8	557.8	821	Al
LB-DG-510-15-C-XX				C	NF / SF	557.8	557.8	932	
LB-DG-430-15-A	1.70-2.60	WR430	15	A	FDP22	-	-	-	Al
LB-DG-430-15-C-XX				C	NF / SF	-	-	-	
LB-DG-430-20-A			20	A	FDP22	-	-	-	Al
LB-DG-430-20-C-XX				C	NF / SF	-	-	-	
LB-DG-340-15-A	2.20-3.30	WR340	15	A	FDP26	-	-	-	Al
LB-DG-340-15-C-XX				C	NF / SF	-	-	-	
LB-DG-340-20-A			20	A	FDP26	642.7	642.7	1044.4	Al
LB-DG-340-20-C-XX				C	NF / SF	642.7	642.7	1136.4	
LB-DG-284-15-A	2.60-3.95	WR284	15	A	FDP32	-	-	-	Al
LB-DG-284-15-C-XX				C	NF / SF	-	-	-	
LB-DG-284-20-A			20	A	FDP32	-	-	-	Al
LB-DG-284-20-C-XX				C	NF / SF	-	-	-	
LB-DG-229-15-A	3.30-4.90	WR229	15	A	FDP40	-	-	-	Al
LB-DG-229-15-C-XX				C	NF / SF	-	-	-	
LB-DG-229-20-A			20	A	FDP40	447.3	447.3	758.6	Al
LB-DG-229-20-C-XX				C	NF / SF	447.3	447.3	823.6	
LB-DG-187-15-A	3.95-5.85	WR187	15	A	FDP48	-	-	-	Al
LB-DG-187-15-C-XX				C	NF / SF	-	-	-	
LB-DG-187-20-A			20	A	FDP48	-	-	-	Al
LB-DG-187-20-C-XX				C	NF / SF	-	-	-	
LB-DG-187-25-A			25	A	FDP48	-	-	-	Al
LB-DG-187-25-C-XX				C	NF / SF	-	-	-	
LB-DG-159-15-A	4.90-7.05	WR159	15	A	FDP58	-	-	-	Al
LB-DG-159-15-C-XX				C	NF / SF	-	-	-	
LB-DG-159-20-A			20	A	FDP58	304.4	304.4	507.4	Al

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-DG-137-15-A	5.85-8.20	WR137	15	A	FDP70	160	160	292.4	Al
LB-DG-137-15-C-XX				C	NF / SF	160	160	340.4	
LB-DG-137-20-A			20	A	FDP70	-	-	-	Al
LB-DG-137-20-C-XX				C	NF / SF	-	-	-	
LB-DG-137-25-A			25	A	FDP70	-	-	-	Al
LB-DG-137-25-C-XX				C	NF / SF	-	-	-	
LB-DG-112-20-A	7.05-10.0	WR112	20	A	FBP84	224.9	224.9	397	Al
LB-DG-112-20-C-XX				C	NF / SF	224.9	224.9	437	
LB-DG-90-20-A	8.20-12.4	WR90	20	A	FBP100	182.6	182.6	316	Al
LB-DG-90-20-C-XX				C	SF / NF	182.6	182.6	354	
LB-DG-90-25-A			25	A	FBP100	316.8	316.8	728	Al
LB-DG-90-25-C-XX				C	SF / NF	316.8	316.8	766	
LB-DG-75-20-A	10.0-15.0	WR75	20	A	FBP120	-	-	-	Al
LB-DG-75-20-C-XX				C	SF / NF	-	-	-	
LB-DG-75-25-A			25	A	FBP120	-	-	-	Al
LB-DG-75-25-C-XX				C	SF / NF	-	-	-	
LB-DG-62-20-A	12.4-18.0	WR62	20	A	FBP140	117	117	233.2	Al
LB-DG-62-20-C-XX				C	SF / NF	117	117	260.2	
LB-DG-62-25-A			25	A	FBP140	215	215	496.2	Al
LB-DG-62-25-C-XX				C	SF / NF	215	215	523.2	
LB-DG-51-20-A	15.0-22.0	WR51	20	A	FBP180	-	-	-	Al
LB-DG-51-20-C-XX				C	SF	-	-	-	
LB-DG-51-25-A			25	A	FBP180	-	-	-	Al
LB-DG-51-25-C-XX				C	SF	-	-	-	
LB-DG-42-20-A	18.0-26.5	WR42	20	A	FBP220	-	-	-	Al
LB-DG-42-20-C-XX				C	SF / KF/ 3.5F	-	-	-	
LB-DG-42-25-A			25	A	FBP220	172.4	172.4	393.7	Al
LB-DG-42-25-C-XX				C	SF / KF/ 3.5F	172.4	172.4	428.7	
LB-DG-34-20-A	22.0-33.0	WR34	20	A	FBP260	-	-	-	Al
LB-DG-34-20-C-XX				C	2.92mm-Female	-	-	-	
LB-DG-34-25-A			25	A	FBP260	-	-	-	Al
LB-DG-34-25-C-XX				C	2.92mm-Female	-	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Figure	Output	Size (mm)			Material
						W	H	L	
LB-DG-28-20-A	26.5-40.0	WR28	20	A	FBP320	55.3	55.3	106.7	Cu
LB-DG-28-20-C-XX				C	KF / 2.4F	55.3	55.3	130.7	
LB-DG-28-25-A			25	A	FBP320	-	-	-	Cu
LB-DG-28-25-C-XX				C	KF / 2.4F	-	-	-	
LB-DG-22-20-A	33.0-50.0	WR22	20	A	FUGP400	-	-	-	Cu
LB-DG-22-20-C-2.4F	33.0-50.0			C	2.4mm-Female	-	-	-	
LB-DG-22-25-A	33.0-50.0		25	A	FUGP400	-	-	-	Cu
LB-DG-22-25-C-2.4F	33.0-50.0			C	2.4mm-Female	-	-	-	
LB-DG-19-20-A	40.0-60.0	WR19	20	A	FUGP500	-	-	-	Cu
LB-DG-19-20-C-2.4F	40.0-50.0			C	2.4mm-Female	-	-	-	
LB-DG-19-20-C-1.85F	40.0-60.0			C	1.85mm-Female	-	-	-	
LB-DG-19-25-A	40.0-60.0		25	A	FUGP500	-	-	-	Cu
LB-DG-19-25-C-2.4F	40.0-50.0			C	2.4mm-Female	-	-	-	
LB-DG-19-25-C-1.85F	40.0-60.0			C	1.85mm-Female	-	-	-	
LB-DG-15-25-A	50.0-75.0	WR15	25	A	FUGP620	-	-	-	Cu
LB-DG-15-25-C-1.85F	50.0-65.0			C	1.85mm-Female	-	-	-	
LB-DG-12-25-A	60.0-90.0	WR12	25	A	FUGP740	-	-	-	Cu
LB-DG-10-25-A	75.0-110.0	WR10	25	A	FUGP900	-	-	-	Cu
LB-DG-8-25-A	90.0-140.0	WR8	25	A	UG387	-	-	-	Cu
LB-DG-6-25-A	110.0-170.0	WR6	25	A	UG387	-	-	-	Cu
LB-DG-5-25-A	140.0-220.0	WR5	25	A	UG387	-	-	-	Cu

Diagonal Horn Antenna 8.20~12.4GHz

P/N: LB-DG-90-20

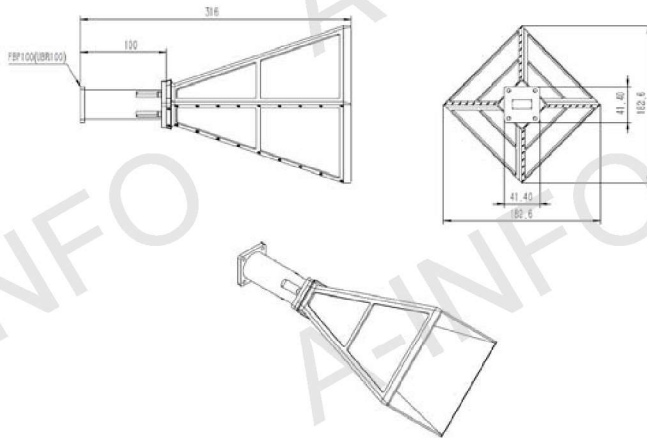


Technical Specification

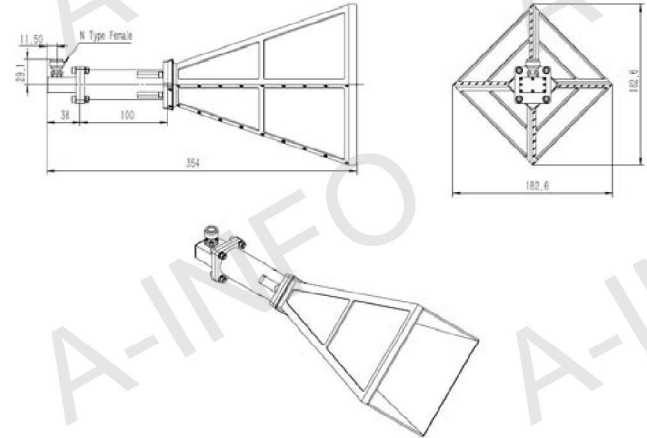
Frequency Range(GHz)	8.2 - 12.4
Gain(dB)	20 Typ.
Waveguide	WR90
Sidelobe(dB)	E Plane: -30dB Max. H Plane: -35dB Max.
Cross Pol. Isolation(dB)	-40 Typ.
VSWR	A Type: 1.2 Max. C Type: 1.5 Max.
Output	A Type: FBP100(UBR100) C Type: N-Female/SMA-Female
Material	Al
Size(mm)	A Type: 316x182.6x182.6 C Type: 354x182.6x182.6
Net Weight(Kg)	A Type: 0.62 Around C Type: 0.70 Around

Outline Drawing (Size: mm)

A Type



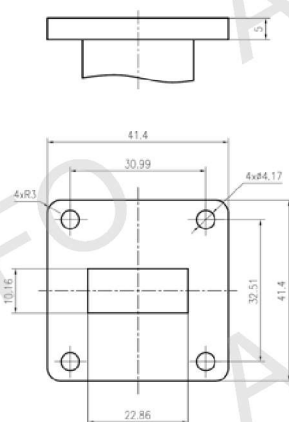
C Type



Diagonal Horn Antenna 8.20~12.4GHz (continued)

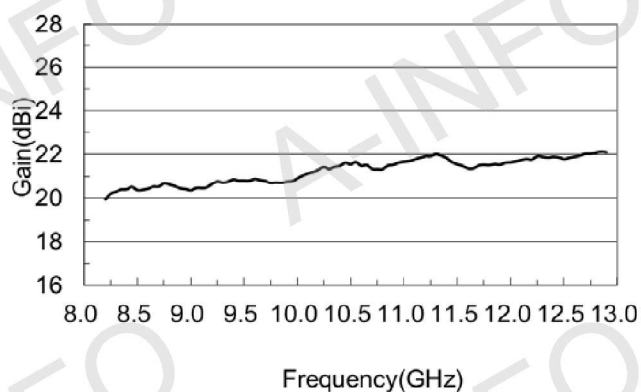
P/N: LB-DG-90-20

Flange Drawing (Size: mm)

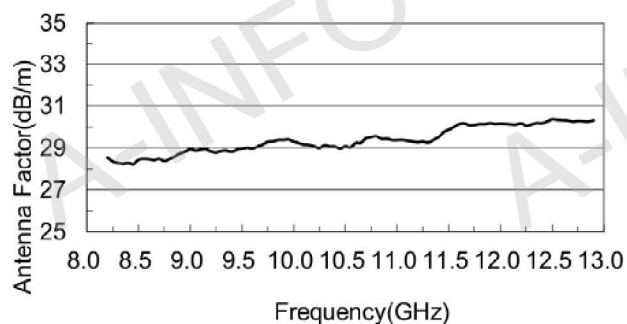


FBP100

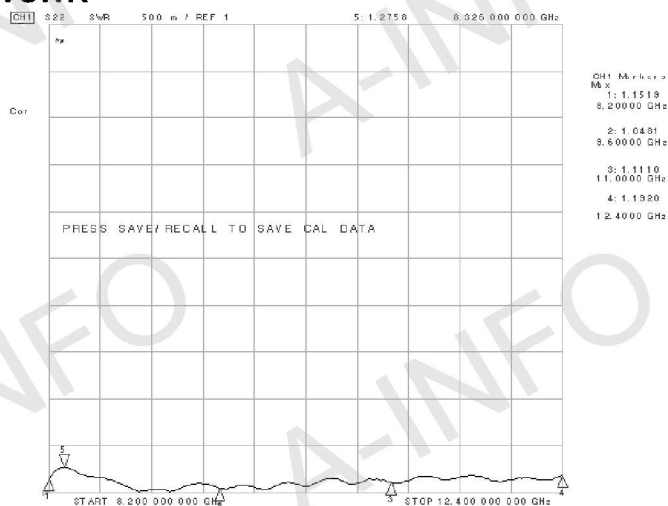
Gain



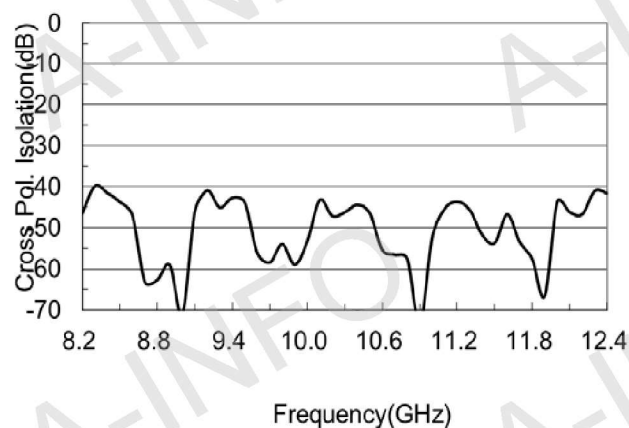
Antenna Factor



VSWR



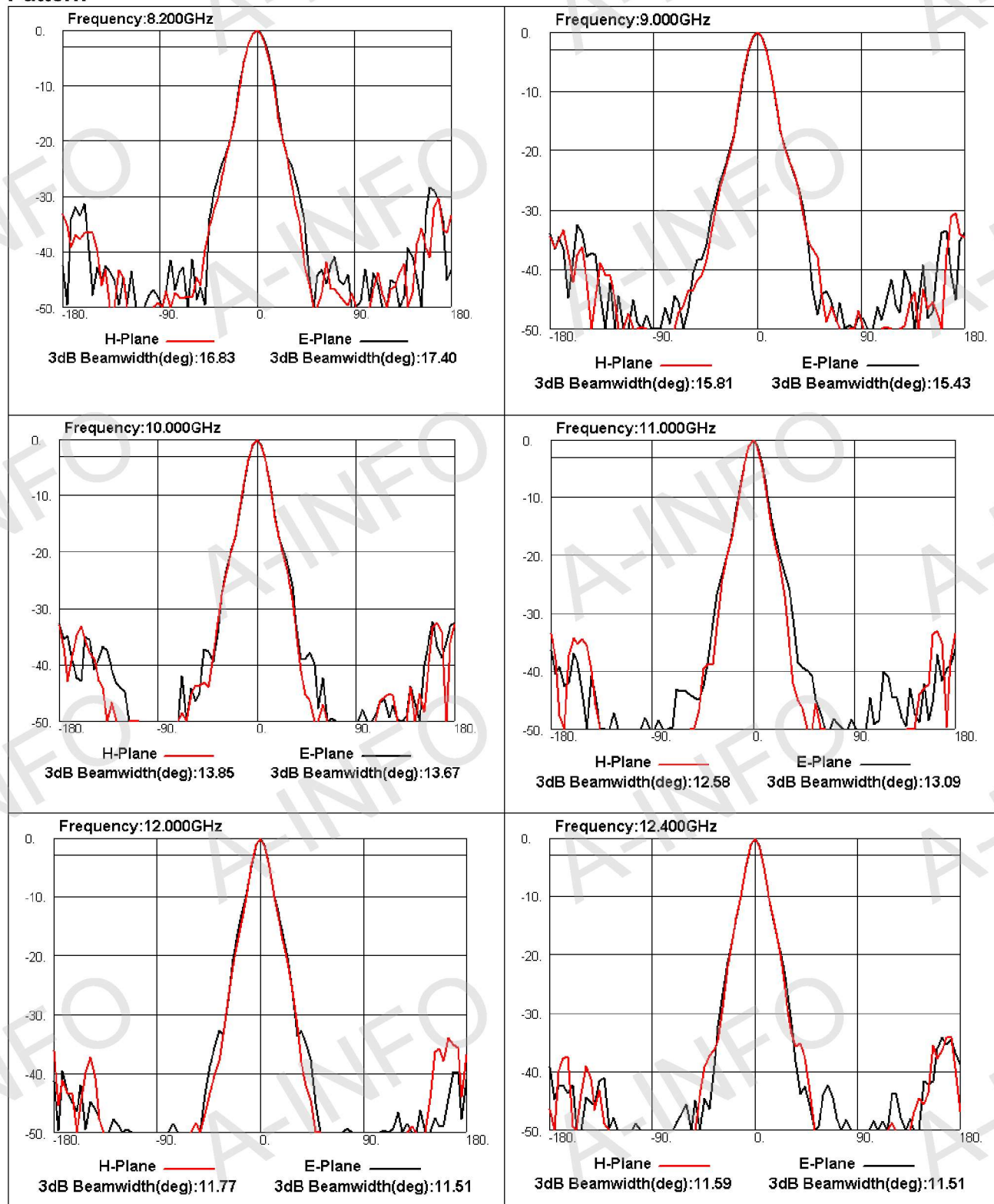
Cross Polarization Isolation



Diagonal Horn Antenna 8.20~12.4GHz (continued)

P/N: LB-DG-90-20

Pattern



Open Ended Waveguide Probes

Include the following Types Waveguide Probes :

1. Rectangular Waveguide Probes with Waveguide Interface (Table 1)
2. Rectangular Waveguide Probes with Waveguide Interface, Equipped with Absorber (Table 2)
3. Rectangular Waveguide Probes with Right Angle Coaxial Output (Table 3)
4. Rectangular Waveguide Probes with Right Angle Coaxial Output, Equipped with Absorber (Table 4)
5. Rectangular Waveguide Probes with Endlaunch Coaxial Output (Table 5)
6. Rectangular Waveguide Probes with Endlaunch Coaxial Output, Equipped with Absorber (Table 6)

A-INFO's Open Ended WG Probes have been specifically designed for near-field measurement. The EWG series Open Ended Waveguide Probes are Linear Polarization and are covering the frequency range from 0.32 to 110GHz by using standard WG band. All probes have an option of integration with absorber for better gain flatness and radiation pattern.

Model Information

Example Part Number: **90 EWG N -A1**

EIA Waveguide Size: WR2300 to WR10

Product Code

EWG: for WG Output and Right Angle Coaxial Output

EWGE: for Endlaunch Coaxial Output

Coaxial Output Type Option, Leave it blank for WG output models.

7/16=7/16 DIN Female

N=N Type-Female; NM=N Type-Male;

S=SMA-Female; SM=SMA-Male;

3.5=3.5mm-Female; 3.5M=3.5mm-Male;

K=2.92mm-Female; KM=2.92mm-Male

2.4=2.4mm-Female; 2.4M=2.4mm-Male;

1.85=1.85mm-Female; 1.85M=1.85mm-Male

Option for Absorber

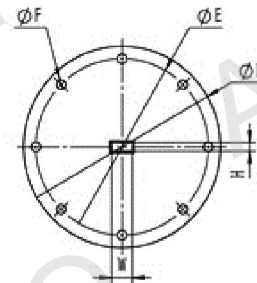
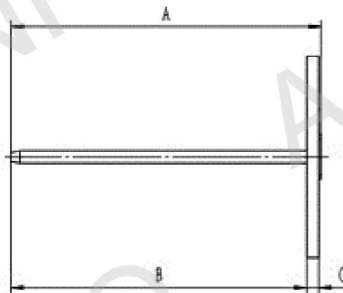
A1: Standard Absorber

Open Ended Waveguide Probes Accessories

1. Mounting Bracket
2. Tripod
3. Carrying Case

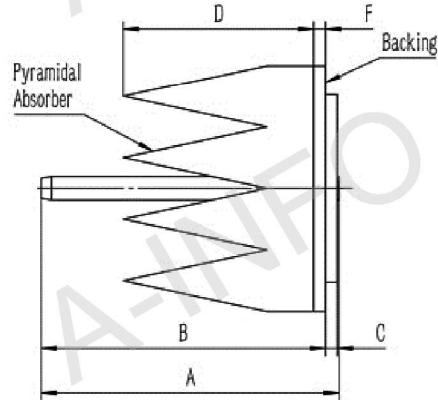
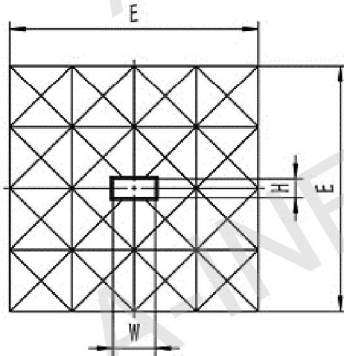


1. Rectangular Waveguide Probes with Waveguide Interface



Model	Frequency (GHz)	Size(mm)								Output
		A	B	C	D	E	F	H	W	
42EWG	18.0-26.5	159.75	152.4	6.35	101.6	88.9	4.8	4.32	10.67	FBP220
34EWG	22.0-33.0	159.75	152.4	6.35	101.6	88.9	4.8	4.32	8.64	FBP260
28EWG	26.5-40.0	159.75	152.4	6.35	101.6	88.9	4.8	3.56	7.11	FBP320
22EWG	33.0-50.0	159.75	152.4	6.35	101.6	88.9	4.8	2.85	5.69	FUGP400
19EWG	40.0-60.0	159.75	152.4	6.35	101.6	88.9	4.8	2.39	4.78	FUGP500
15EWG	50.0-75.0	159.75	152.4	6.35	101.6	88.9	4.8	1.88	3.76	FUGP620
12EWG	60.0-90.0	159.75	152.4	6.35	101.6	88.9	4.8	1.55	3.1	FUGP740
10EWG	75.0-110.0	159.75	152.4	6.35	101.6	88.9	4.8	1.27	2.54	FUGP900

2. Rectangular Waveguide Probes with Waveguide Interface, Equipped with Absorber



Model	Frequency (GHz)	Size(mm)								Output
		A	B	C	D	E	F	H	W	
42EWG-A1	18.0-26.5	159.75	152.4	6.35	102	399.6	6.35	4.32	10.67	FBP220
34EWG-A1	22.0-33.0	159.75	152.4	6.35	102	399.6	6.35	4.32	8.64	FBP260
28EWG-A1	26.5-40.0	159.75	152.4	6.35	102	399.6	6.35	3.56	7.11	FBP320
22EWG-A1	33.0-50.0	159.75	152.4	6.35	102	399.6	6.35	2.85	5.69	FUGP400
19EWG-A1	40.0-60.0	159.75	152.4	6.35	102	399.6	6.35	2.39	4.78	FUGP500
15EWG-A1	50.0-75.0	159.75	152.4	6.35	102	399.6	6.35	1.88	3.76	FUGP620
12EWG-A1	60.0-90.0	159.75	152.4	6.35	102	399.6	6.35	1.55	3.1	FUGP740
10EWG-A1	75.0-110.0	159.75	152.4	6.35	102	399.6	6.35	1.27	2.54	FUGP900

3. Rectangular Waveguide Probes with Right Angle Coaxial Output

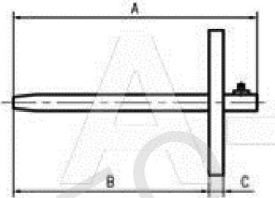


Figure 1

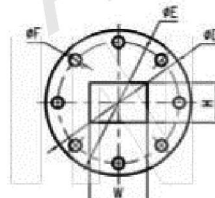


Figure 2

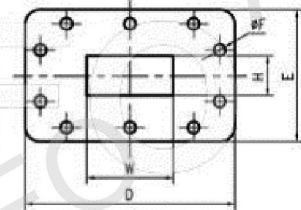
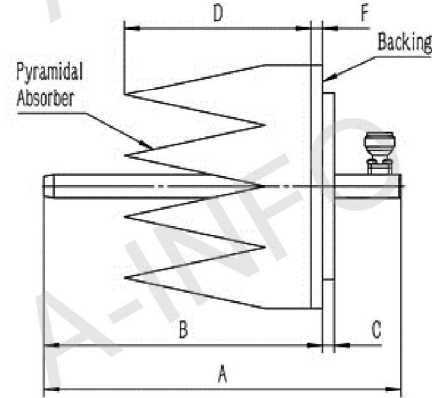
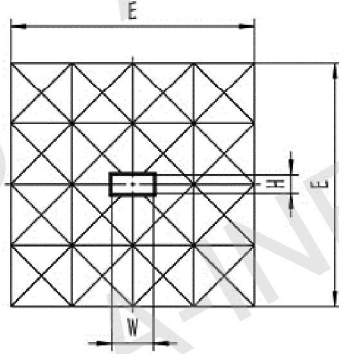


Figure 3

Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
2300EWGN	0.32-0.49	1344.8	812.8	23	676.3	384.2	13.2	292.1	584.2	N-F
2100EWGN	0.35-0.53	1298.8	812.8	23	625.5	358.8	13.2	266.7	533.4	N-F
1800EWGN	0.41-0.62	1229.8	812.8	18	546.1	317.5	10.4	228.6	457.2	N-F
1500EWGN	0.49-0.75	1160.8	812.8	18	469.9	279.4	10.4	190.5	381	N-F
1150EWGN	0.64-0.96	1080.8	812.8	14	381	235	10.4	146.05	292.1	N-F
975EWGN	0.75-1.12	994	812.8	12.7	336.6	212.7	10.08	123.82	247.65	N-F
975EWGS	0.75-1.12	994	812.8	12.7	336.6	212.7	10.08	123.82	247.65	SMA-F
770EWGN	0.96-1.45	1098.5	939.8	12.7	285	186.7	10.08	97.79	195.58	N-F
770EWGS	0.96-1.45	1098.5	939.8	12.7	285	186.7	10.08	97.79	195.58	SMA-F
650EWGN	1.12-1.70	963.5	812.8	12.7	220.7	138.1	8.43	82.55	165.1	N-F
650EWGS	1.12-1.70	963.5	812.8	12.7	220.7	138.1	8.43	82.55	165.1	SMA-F
510EWGN	1.45-2.20	772.7	635	12.7	185	120	8.43	64.77	129.54	N-F
510EWGS	1.45-2.20	772.7	635	12.7	185	120	8.43	64.77	129.54	SMA-F
430EWGN	1.70-2.60	638.1	533.4	12.7	161	106.4	6.76	54.61	109.22	N-F
430EWGS	1.70-2.60	638.1	533.4	12.7	161	106.4	6.76	54.61	109.22	SMA-F
340EWGN	2.20-3.30	553.82	457.12	12.7	138.1	95.3	6.76	43.18	86.36	N-F
340EWGS	2.20-3.30	553.82	457.12	12.7	138.1	95.3	6.76	43.18	86.36	SMA-F

Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
284EWGN	2.60-3.95	433.25	355.6	9.65	134.9	120.7	6.76	34.04	72.14	N-F
284EWGS	2.60-3.95	433.25	355.6	9.65	134.9	120.7	6.76	34.04	72.14	SMA-F
229EWGN	3.30-4.90	373.4	304.8	9.65	134.9	120.7	6.76	29.08	58.17	N-F
229EWGS	3.30-4.90	373.4	304.8	9.65	134.9	120.7	6.76	29.08	58.17	SMA-F
187EWGN	3.95-5.85	293.25	228.6	9.65	101.6	88.9	4.8	22.15	47.55	N-F
187EWGS	3.95-5.85	293.25	228.6	9.65	101.6	88.9	4.8	22.15	47.55	SMA-F
159EWGN	4.90-7.05	280.05	228.6	9.65	101.6	88.9	4.8	20.19	40.39	N-F
159EWGS	4.90-7.05	280.05	228.6	9.65	101.6	88.9	4.8	20.19	40.39	SMA-F
137EWGN	5.85-8.20	252.85	203.2	9.65	101.6	88.9	4.8	15.8	34.85	N-F
137EWGS	5.85-8.20	252.85	203.2	9.65	101.6	88.9	4.8	15.8	34.85	SMA-F
112EWGN	7.05-10.0	250.75	203.2	9.65	101.6	88.9	4.8	12.62	28.5	N-F
112EWGS	7.05-10.0	250.75	203.2	9.65	101.6	88.9	4.8	12.62	28.5	SMA-F
90EWGN	8.20-12.4	195.25	152.4	6.35	101.6	88.9	4.8	10.16	22.86	N-F
90EWGS	8.20-12.4	195.25	152.4	6.35	101.6	88.9	4.8	10.16	22.86	SMA-F
75EWGN	10.0-15.0	193.85	152.4	6.35	101.6	88.9	4.8	9.53	19.05	N-F
75EWGS	10.0-15.0	193.85	152.4	6.35	101.6	88.9	4.8	9.53	19.05	SMA-F
62EWGN	12.4-18.0	192.55	152.4	6.35	101.6	88.9	4.8	7.9	15.8	N-F
62EWGS	12.4-18.0	192.55	152.4	6.35	101.6	88.9	4.8	7.9	15.8	SMA-F
51EWGS	15.0-22.0	191.7	152.4	6.35	101.6	88.9	4.8	6.48	12.95	SMA-F
42EWGS	18.0-26.5	194.75	152.4	6.35	101.6	88.9	4.8	4.32	10.67	SMA-F
42EWGK	18.0-26.5	194.75	152.4	6.35	101.6	88.9	4.8	4.32	10.67	2.92mm-F
34EWGK	22.0-33.0	184.75	152.4	6.35	101.6	88.9	4.8	4.32	8.64	2.92mm-F
28EWGK	26.5-40.0	183.75	152.4	6.35	101.6	88.9	4.8	3.56	7.11	2.92mm-F
28EWG2.4	26.5-40.0	183.75	152.4	6.35	101.6	88.9	4.8	3.56	7.11	2.4mm-F
22EWG2.4	33.0-50.0	183.75	152.4	6.35	101.6	88.9	4.8	2.85	5.69	2.4mm-F
19EWG1.85	40.0-60.0	185.75	152.4	6.35	101.6	88.9	4.8	2.39	4.78	1.85mm-F
19EWG2.4	40.0-50.0	184.75	152.4	6.35	101.6	88.9	4.8	2.39	4.78	2.4mm-F

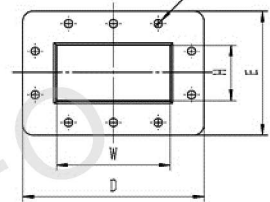
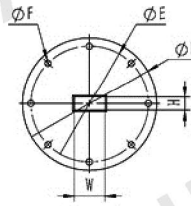
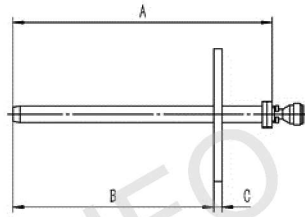
4. Rectangular Waveguide Probes with Right Angle Coaxial Output, Equipped with Absorber



Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
2300EWGN-A1	0.32-0.49	1344.8	812.8	23	-	-	-	292.1	584.2	N-F
2100EWGN-A1	0.35-0.53	1298.8	812.8	23	-	-	-	266.7	533.4	N-F
1800EWGN-A1	0.41-0.62	1229.8	812.8	18	-	-	-	228.6	457.2	N-F
1500EWGN-A1	0.49-0.75	1160.8	812.8	18	488	600	18	190.5	381	N-F
1150EWGN-A1	0.64-0.96	1080.8	812.8	14	488	600	14	146.05	292.1	N-F
975EWGN-A1	0.75-1.12	994	812.8	12.7	488	600	12.7	123.82	247.65	N-F
975EWGS-A1	0.75-1.12	994	812.8	12.7	488	600	12.7	123.82	247.65	SMA-F
770EWGN-A1	0.96-1.45	1098.5	939.8	12.7	488	600	12.7	97.79	195.58	N-F
770EWGS-A1	0.96-1.45	1098.5	939.8	12.7	488	600	12.7	97.79	195.58	SMA-F
650EWGN-A1	1.12-1.70	963.5	812.8	12.7	295	600	12.7	82.55	165.1	N-F
650EWGS-A1	1.12-1.70	963.5	812.8	12.7	295	600	12.7	82.55	165.1	SMA-F
510EWGN-A1	1.45-2.20	772.7	635	12.7	295	600	12.7	64.77	129.54	N-F
510EWGS-A1	1.45-2.20	772.7	635	12.7	295	600	12.7	64.77	129.54	SMA-F
430EWGN-A1	1.70-2.60	638.1	533.4	12.7	295	600	12.7	54.61	109.22	N-F
430EWGS-A1	1.70-2.60	638.1	533.4	12.7	295	600	12.7	54.61	109.22	SMA-F
340EWGN-A1	2.20-3.30	553.82	457.12	12.7	295	600	12.7	43.18	86.36	N-F
340EWGS-A1	2.20-3.30	553.82	457.12	12.7	295	600	12.7	43.18	86.36	SMA-F

Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
284EWGN-A1	2.60-3.95	433.25	355.6	9.65	200	480	9.65	34.04	72.14	N-F
284EWGS-A1	2.60-3.95	433.25	355.6	9.65	200	480	9.65	34.04	72.14	SMA-F
229EWGN-A1	3.30-4.90	373.4	304.8	9.65	200	480	9.65	29.08	58.17	N-F
229EWGS-A1	3.30-4.90	373.4	304.8	9.65	200	480	9.65	29.08	58.17	SMA-F
187EWGN-A1	3.95-5.85	293.25	228.6	9.65	150	400	9.65	22.15	47.55	N-F
187EWGS-A1	3.95-5.85	293.25	228.6	9.65	150	400	9.65	22.15	47.55	SMA-F
159EWGN-A1	4.90-7.05	280.05	228.6	9.65	150	400	9.65	20.19	40.39	N-F
159EWGS-A1	4.90-7.05	280.05	228.6	9.65	150	400	9.65	20.19	40.39	SMA-F
137EWGN-A1	5.85-8.20	252.85	203.2	9.65	150	400	9.65	15.8	34.85	N-F
137EWGS-A1	5.85-8.20	252.85	203.2	9.65	150	400	9.65	15.8	34.85	SMA-F
112EWGN-A1	7.05-10.0	250.75	203.2	9.65	150	400	9.65	12.62	28.5	N-F
112EWGS-A1	7.05-10.0	250.75	203.2	9.65	150	400	9.65	12.62	28.5	SMA-F
90EWGN-A1	8.20-12.4	195.25	152.4	6.35	102	399.6	6.35	10.16	22.86	N-F
90EWGS-A1	8.20-12.4	195.25	152.4	6.35	102	399.6	6.35	10.16	22.86	SMA-F
75EWGN-A1	10.0-15.0	193.85	152.4	6.35	102	399.6	6.35	9.53	19.05	N-F
75EWGS-A1	10.0-15.0	193.85	152.4	6.35	102	399.6	6.35	9.53	19.05	SMA-F
62EWGN-A1	12.4-18.0	192.55	152.4	6.35	102	399.6	6.35	7.9	15.8	N-F
62EWGS-A1	12.4-18.0	192.55	152.4	6.35	102	399.6	6.35	7.9	15.8	SMA-F
51EWGS-A1	15.0-22.0	191.7	152.4	6.35	102	399.6	6.35	6.48	12.95	SMA-F
42EWGS-A1	18.0-26.5	194.75	152.4	6.35	102	399.6	6.35	4.32	10.67	SMA-F
42EWGK-A1	18.0-26.5	194.75	152.4	6.35	102	399.6	6.35	4.32	10.67	2.92mm-F
34EWGK-A1	22.0-33.0	184.75	152.4	6.35	102	399.6	6.35	4.32	8.64	2.92mm-F
28EWGK-A1	26.5-40.0	183.75	152.4	6.35	102	399.6	6.35	3.56	7.11	2.92mm-F
28EWG2.4-A1	26.5-40.0	183.75	152.4	6.35	102	399.6	6.35	3.56	7.11	2.4mm-F
22EWG2.4-A1	33.0-50.0	183.75	152.4	6.35	102	399.6	6.35	2.85	5.69	2.4mm-F
19EWG1.85-A1	40.0-60.0	185.75	152.4	6.35	102	399.6	6.35	2.39	4.78	1.85mm-F
19EWG2.4-A1	40.0-50.0	184.75	152.4	6.35	102	399.6	6.35	2.39	4.78	2.4mm-F

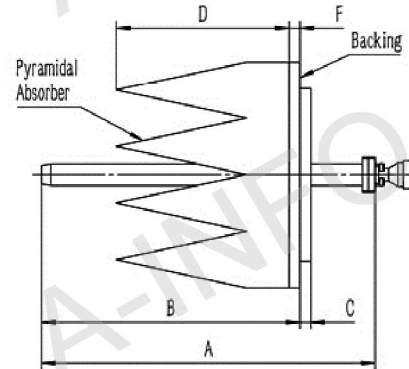
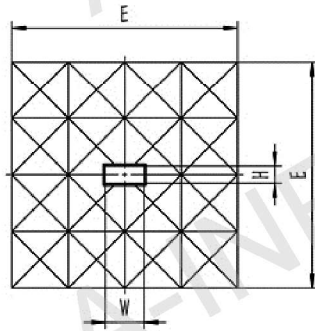
5. Rectangular Waveguide Probes with Endlaunch Coaxial Output



Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
975EWGEN	0.75-1.12	1110.5	812.8	12.7	336.6	212.7	10.08	123.82	247.65	N-F
770EWGEN	0.96-1.45	-	939.8	12.7	285	186.7	10.08	97.79	195.58	N-F
650EWGEN	1.12-1.70	1015.5	812.8	12.7	220.7	138.1	8.43	82.55	165.1	N-F
510EWGEN	1.45-2.20	-	635	12.7	185	120	8.43	64.77	129.54	N-F
430EWGEN	1.70-2.60	674.41	533.4	12.7	161	106.4	6.76	54.61	109.22	N-F
430EWGES	1.70-2.60	674.41	533.4	12.7	161	106.4	6.76	54.61	109.22	SMA-F
340EWGEN	2.20-3.30	573.22	457.12	12.7	138.1	95.3	6.76	43.18	86.36	N-F
340EWGES	2.20-3.30	573.22	457.12	12.7	138.1	95.3	6.76	43.18	86.36	SMA-F
284EWGEN	2.60-3.95	453.35	355.6	9.65	134.9	120.7	6.76	34.04	72.14	N-F
284EWGES	2.60-3.95	453.35	355.6	9.65	134.9	120.7	6.76	34.04	72.14	SMA-F
229EWGEN	3.30-4.90	387.45	304.8	9.65	134.9	120.7	6.76	29.08	58.17	N-F
229EWGES	3.30-4.90	387.45	304.8	9.65	134.9	120.7	6.76	29.08	58.17	SMA-F
187EWGEN	3.95-5.85	300.25	228.6	9.65	101.6	88.9	4.8	22.15	47.55	N-F
159EWGEN	4.90-7.05	292.25	228.6	9.65	101.6	88.9	4.8	20.19	40.39	N-F
159EWGES	4.90-7.05	292.25	228.6	9.65	101.6	88.9	4.8	20.19	40.39	SMA-F
137EWGEN	5.85-8.20	260.85	203.2	9.65	101.6	88.9	4.8	15.8	34.85	N-F
112EWGEN	7.05-10.0	252.85	203.2	9.65	101.6	88.9	4.8	12.62	28.5	N-F
112EWGES	7.05-10.0	252.85	203.2	9.65	101.6	88.9	4.8	12.62	28.5	SMA-F
90EWGEN	8.20-12.4	196.75	152.4	6.35	101.6	88.9	4.8	10.16	22.86	N-F
75EWGEN	10.0-15.0	188.75	152.4	6.35	101.6	88.9	4.8	9.53	19.05	N-F
62EWGEN	12.4-18.0	185.75	152.4	6.35	101.6	88.9	4.8	7.9	15.8	N-F
51EWGES	15.0-22.0	185.75	152.4	6.35	101.6	88.9	4.8	6.48	12.95	SMA-F

Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
42EWGES	18.0-26.5	184.75	152.4	6.35	101.6	88.9	4.8	4.32	10.67	SMA-F
42EWGEK	18.0-26.5	184.75	152.4	6.35	101.6	88.9	4.8	4.32	10.67	2.92mm-F
34EWGEK	22.0-33.0	184.75	152.4	6.35	101.6	88.9	4.8	4.32	8.64	2.92mm-F
28EWGEK	26.5-40.0	184.75	152.4	6.35	101.6	88.9	4.8	3.56	7.11	2.92mm-F
28EWGE2.4	26.5-40.0	184.75	152.4	6.35	101.6	88.9	4.8	3.56	7.11	2.4mm-F
22EWGE2.4	33.0-50.0	174.75	152.4	6.35	101.6	88.9	4.8	2.85	5.69	2.4mm-F
19EWGE1.85	40.0-60.0	172.25	152.4	6.35	101.6	88.9	4.8	2.39	4.78	1.85mm-F
19EWGE2.4	40.0-50.0	171.25	152.4	6.35	101.6	88.9	4.8	2.39	4.78	2.4mm-F
15EWGE1.85	50.0-65.0	176.45	152.4	6.35	101.6	88.9	4.8	1.88	3.76	1.85mm-F

6. Rectangular Waveguide Probes with Endlaunch Coaxial Output, Equipped with Absorber



Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
975EWGEN-A1	0.75-1.12	1110.5	812.8	12.7	488	600	12.7	123.82	247.65	N-F
770EWGEN-A1	0.96-1.45	-	939.8	12.7	488	600	12.7	97.79	195.58	N-F
650EWGEN-A1	1.12-1.70	1015.5	812.8	12.7	295	600	12.7	82.55	165.1	N-F
510EWGEN-A1	1.45-2.20	-	635	12.7	295	600	12.7	64.77	129.54	N-F
430EWGEN-A1	1.70-2.60	674.41	533.4	12.7	295	600	12.7	54.61	109.22	N-F
430EWGES-A1	1.70-2.60	674.41	533.4	12.7	295	600	12.7	54.61	109.22	SMA-F
340EWGEN-A1	2.20-3.30	573.22	457.12	12.7	295	600	12.7	43.18	86.36	N-F
340EWGES-A1	2.20-3.30	573.22	457.12	12.7	295	600	12.7	43.18	86.36	SMA-F
284EWGEN-A1	2.60-3.95	453.35	355.6	9.65	200	480	9.65	34.04	72.14	N-F
284EWGES-A1	2.60-3.95	453.35	355.6	9.65	200	480	9.65	34.04	72.14	SMA-F
229EWGEN-A1	3.30-4.90	387.45	304.8	9.65	200	480	9.65	29.08	58.17	N-F
229EWGES-A1	3.30-4.90	387.45	304.8	9.65	200	480	9.65	29.08	58.17	SMA-F
187EWGEN-A1	3.95-5.85	300.25	228.6	9.65	150	400	9.65	22.15	47.55	N-F
159EWGEN-A1	4.90-7.05	292.25	228.6	9.65	150	400	9.65	20.19	40.39	N-F
159EWGES-A1	4.90-7.05	292.25	228.6	9.65	150	400	9.65	20.19	40.39	SMA-F
137EWGEN-A1	5.85-8.20	260.85	203.2	9.65	150	400	9.65	15.8	34.85	N-F
112EWGEN-A1	7.05-10.0	252.85	203.2	9.65	150	400	9.65	12.62	28.5	N-F
112EWGES-A1	7.05-10.0	252.85	203.2	9.65	150	400	9.65	12.62	28.5	SMA-F

Model	Frequency (GHz)	Size(mm)								Output
		Figure1			Figure2/3					
		A	B	C	D	E	F	H	W	
90EWGEN-A1	8.20-12.4	196.75	152.4	6.35	102	399.6	6.35	10.16	22.86	N-F
75EWGEN-A1	10.0-15.0	188.75	152.4	6.35	102	399.6	6.35	9.53	19.05	N-F
62EWGEN-A1	12.4-18.0	185.75	152.4	6.35	102	399.6	6.35	7.9	15.8	N-F
51EWGES-A1	15.0-22.0	185.75	152.4	6.35	102	399.6	6.35	6.48	12.95	SMA-F
42EWGES-A1	18.0-26.5	184.75	152.4	6.35	102	399.6	6.35	4.32	10.67	SMA-F
42EWGEK-A1	18.0-26.5	184.75	152.4	6.35	102	399.6	6.35	4.32	10.67	2.92mm-F
34EWGEK-A1	22.0-33.0	184.75	152.4	6.35	102	399.6	6.35	4.32	8.64	2.92mm-F
28EWGEK-A1	26.5-40.0	184.75	152.4	6.35	102	399.6	6.35	3.56	7.11	2.92mm-F
28EWGE2.4-A1	26.5-40.0	184.75	152.4	6.35	102	399.6	6.35	3.56	7.11	2.4mm-F
22EWGE2.4-A1	33.0-50.0	174.75	152.4	6.35	102	399.6	6.35	2.85	5.69	2.4mm-F
19EWGE2.4-A1	40.0-60.0	172.25	152.4	6.35	102	399.6	6.35	2.39	4.78	1.85mm-F
19EWGE1.85-A1	40.0-60.0	171.25	152.4	6.35	102	399.6	6.35	2.39	4.78	2.4mm-F
15EWGE1.85-A1	50.0-65.0	176.45	152.4	6.35	102	399.6	6.35	1.88	3.76	1.85mm-F

Open Ended Waveguide Probes 18.0~26.5GHz

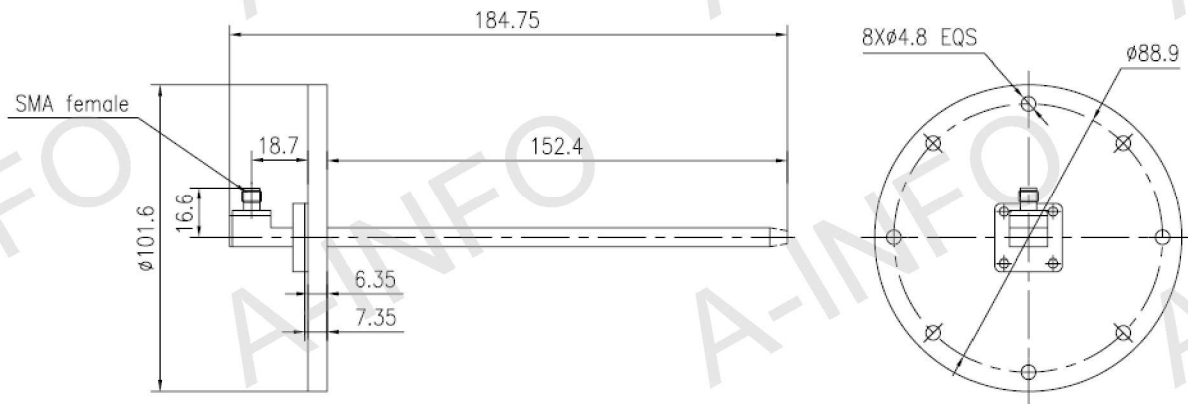
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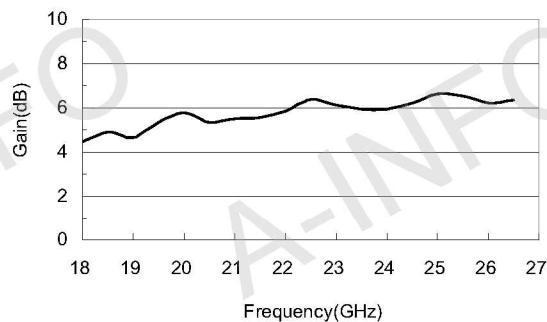
Technical Specification

Frequency(GHz)	18.0-26.5
Gain (dB)	5 Typ.
VSWR	2.0 Typ.
Connector	SMA-F/2.92mm-F/3.5mm-F
Material	Cu
Length(mm)	184.75
Net Weight(Kg)	0.55 Around

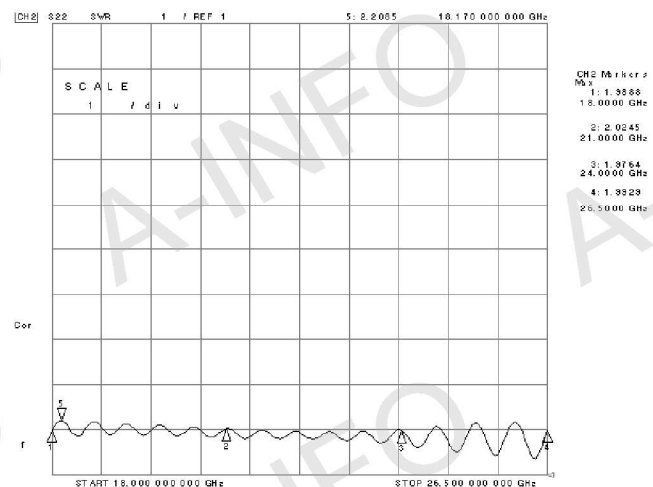
Outline Drawing(Size: mm)



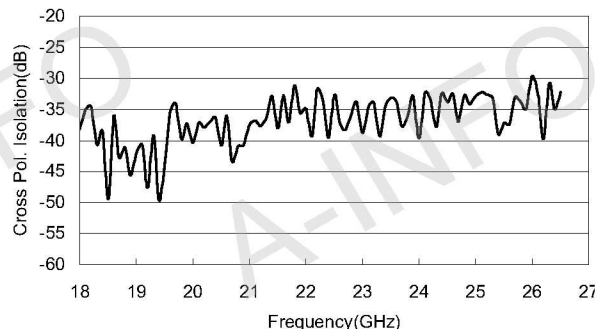
Gain



VSWR



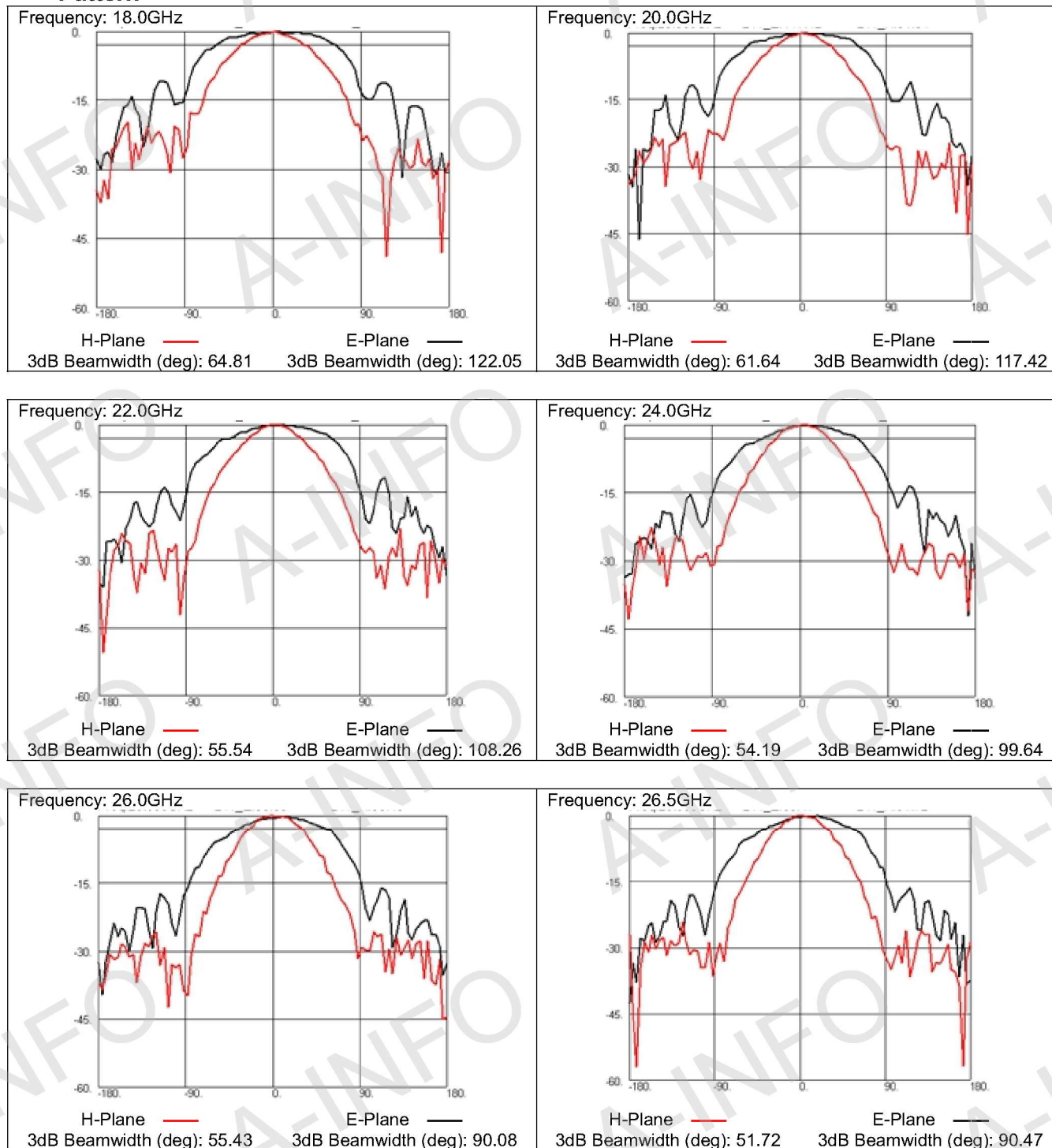
Cross Pol. Isolation



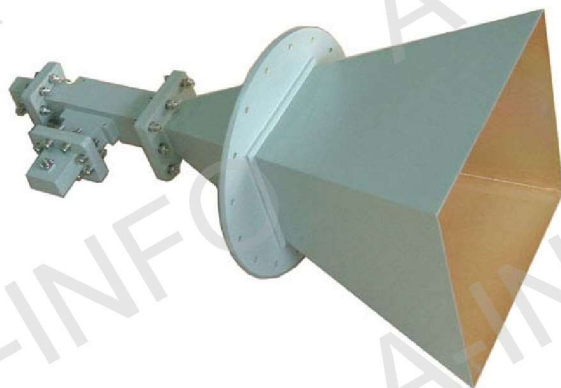
Open Ended Waveguide Probes 18.0~26.5GHz(continued)

P/N: 42EWG

Pattern



Ortho-Mode Transducer (OMT) Horn Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – OMT Horn Antenna and download.

Model	Freq. Range (GHz)	Polarization	Gain (dB) min.	VSWR Typ.	Cross Isolation (dB) min.	Connector	Size (mm)
LB-OMT-5060-SF	5.0-6.0	Dual	20	2.0	30	SMA-F	270 x 270 x 620
LB-OMT-5060-NF	5.0-6.0	Dual	20	2.0	30	N-F	270 x 270 x 620
LB-OMT-90100-SF	9.0-10.0	Dual	20	2.0	30	SMA-F	150 x 150 x 358
LB-OMT-90100-NF	9.0-10.0	Dual	20	2.0	30	N-F	150 x 150 x 358
LB-OMT-150220-SF	15.0-22.0	Dual	15	2.0 Max	30	SMA-F	43 x 43x 79.5

Notes:

1, The Conical and Corrugated Conical horn antenna can also be applied to OMT Horn to get better sidelobe and radiation Pattern.

2, Customization is available.

Ortho-Mode Transducer (OMT) Horn Antenna 5.0~6.0GHz

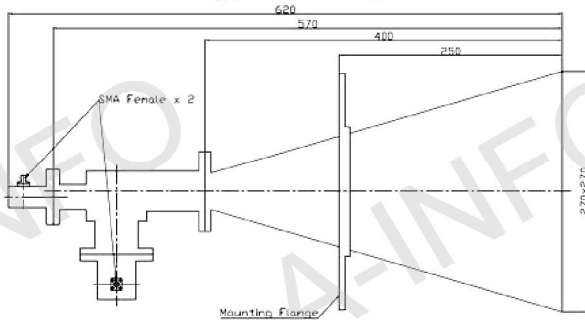
P/N: LB-OMT-5060



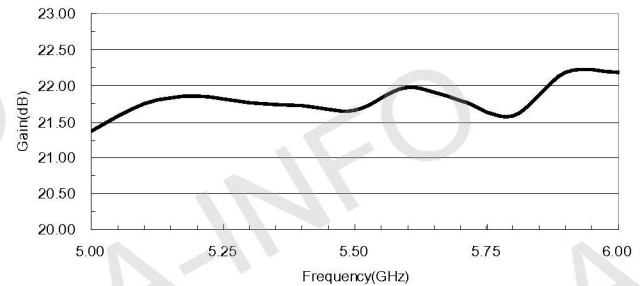
Technical Specification

Polarization	Dual Linear
Frequency(GHz)	5.0-6.0
Gain (dB)	20 min.
VSWR	2.0 Typ.
Cross Isolation(dB)	30 min.
Power Handling(W)	10 min.
Connector	SMA-Female
Net Weight(Kg)	3.6 Around

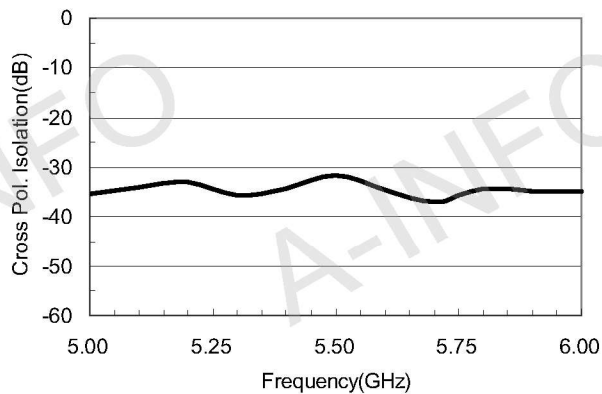
Outline Drawing(Size: mm)



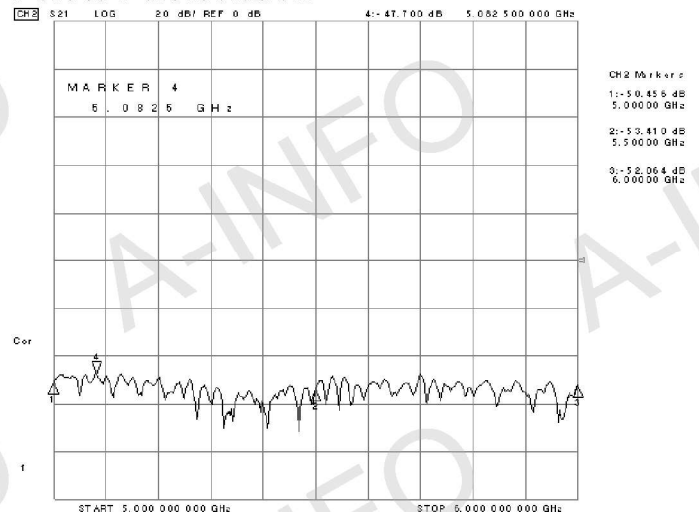
Gain



Cross Polarization Isolation



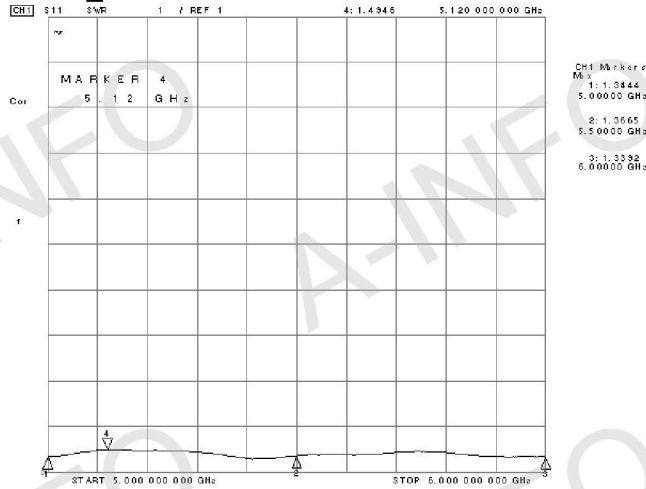
Port to Port Isolation



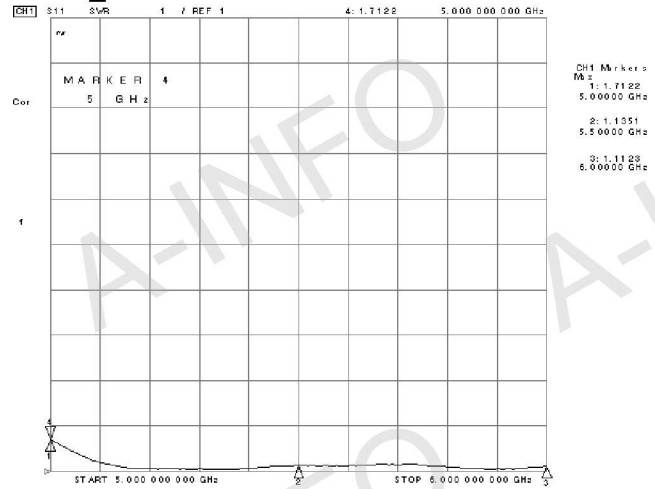
Ortho-Mode Transducer (OMT) Horn Antenna 5.0~6.0GHz (continued)

P/N: LB-OMT-5060

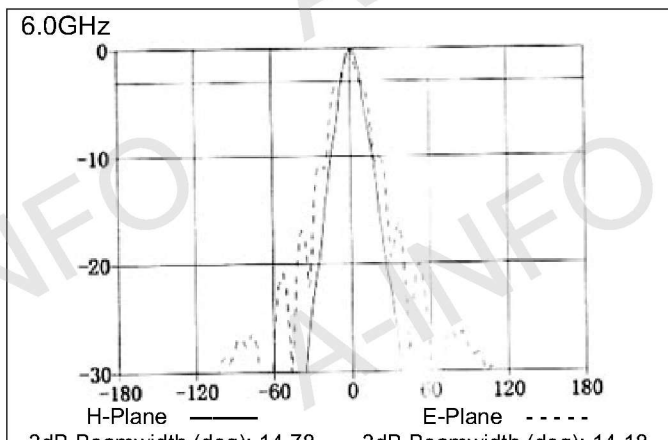
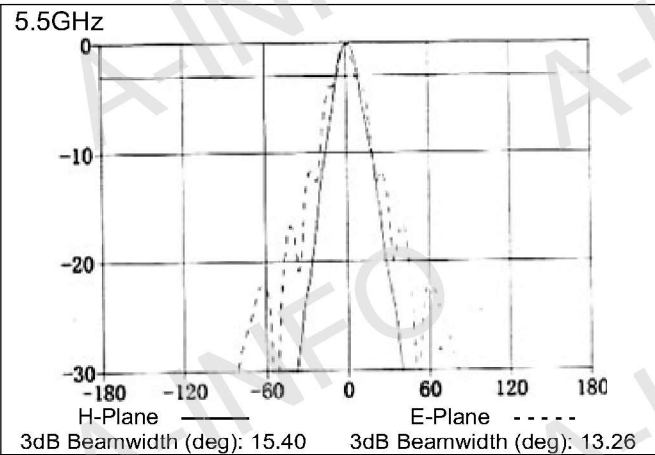
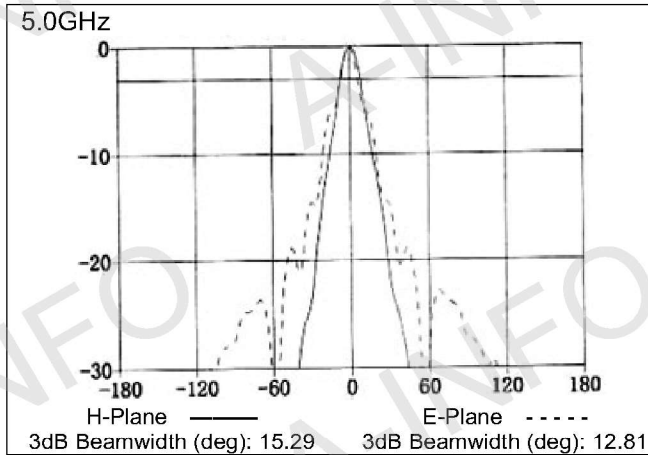
Port1_VSWR



Port2_VSWR



Pattern



Ortho-Mode Transducer (OMT) Horn Antenna 9.0~10.0GHz

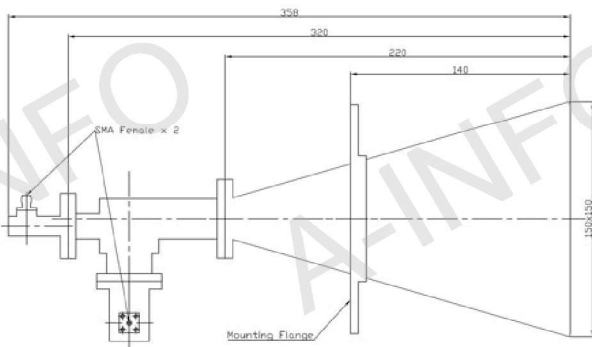
P/N: LB-OMT-90100



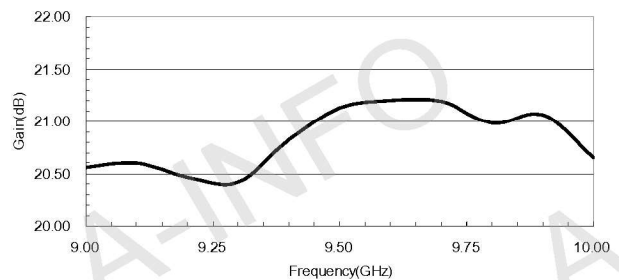
Technical Specification

Polarization	Dual Linear
Frequency(GHz)	9.0-10.0
Gain (dB)	20 min.
VSWR	2.0 Typ.
Cross Isolation(dB)	30 min.
Power Handling(W)	10 min.
Connector	SMA-Female

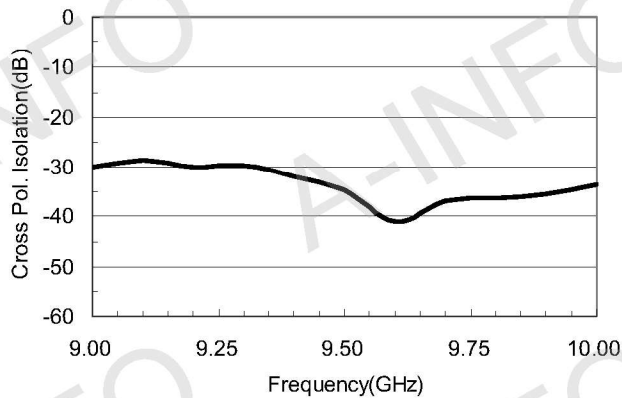
Outline Drawing(Size: mm)



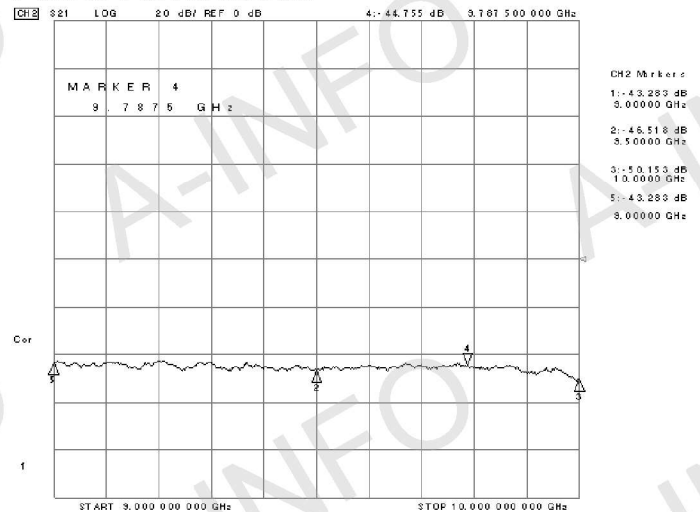
Gain



Cross Polarization Isolation



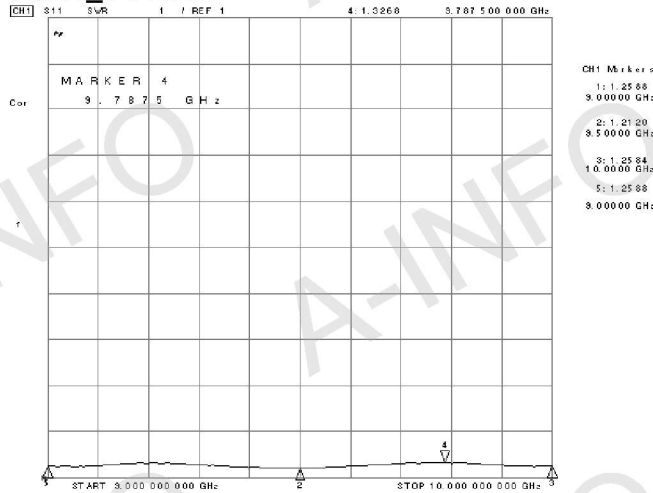
Port to Port Isolation



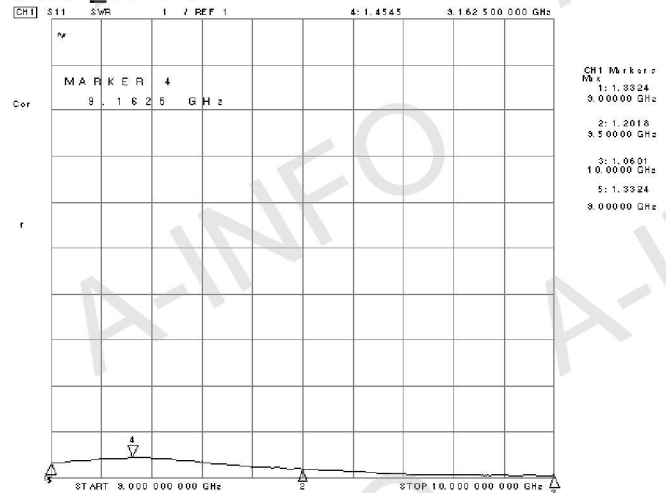
Ortho-Mode Transducer (OMT) Horn Antenna 9.0~10.0GHz (continued)

P/N: LB-OMT-90100

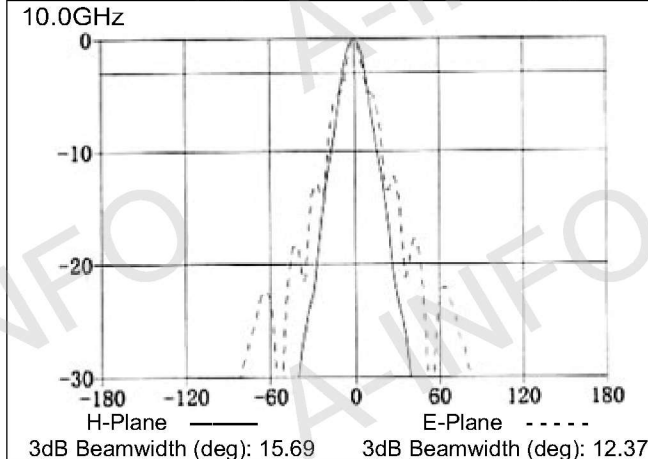
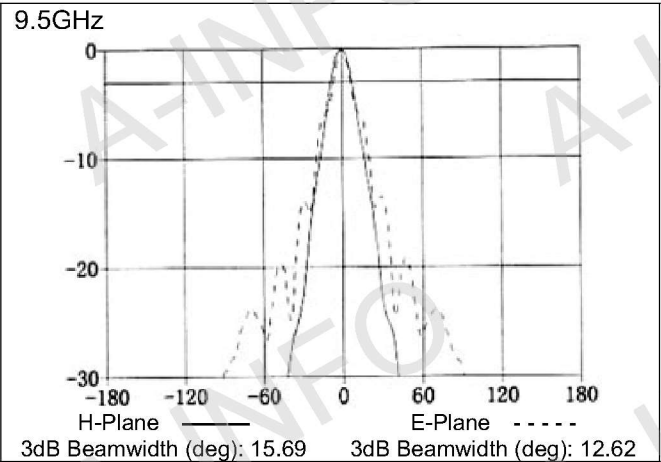
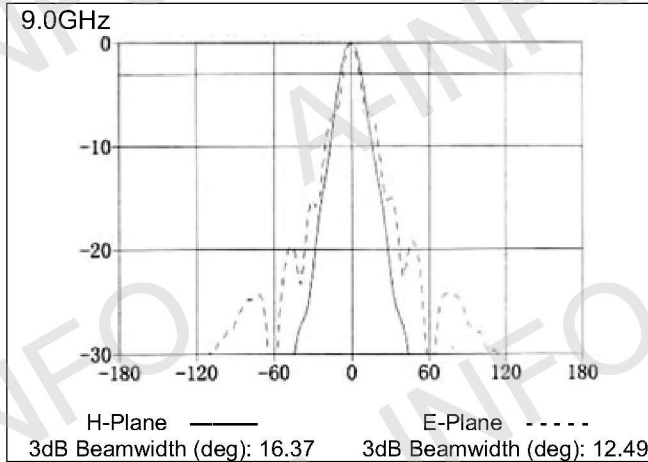
Port1_VSWR



Port2_VSWR



Pattern



Conical Horn Antenna

Include the following Types Conical Horn Antennas :

1. Conical Horn with EIA Standard Circular WG Interface (Table 1)
2. Conical Horn with Other Circular WG Interface (Table 2)
3. Conical Horn with Rectangular WG Transition - Linear Polarization (Table 3)
4. Conical Horn with Integrated Rectangular WG Transition - Linear Polarization (Table 4)
5. Conical Horn with Polarizer and Rectangular WG Transition - Circular Polarization (Table 5)
6. Conical Horn with Ortho-Mode Transducer (OMT) - Dual Linear Polarization (Table 6)
7. Conical Horn with Polarizer and Ortho-Mode Transducer (OMT) - Dual Circular Polarization (coming soon)

The LB-CNH series conical horn antennas have four kinds of polarization options: Linear, Circular (RHCP/LHCP), Dual Linear and Dual Circular. And YLB series conical horn antennas are Linear Polarization. A-INFO's conical horn antenna can cover from 5.3GHz to 220GHz frequency range. Those conical horns are precisely fabricated to minimize the tolerance of aperture size and flare angle. These horns are ideally suited for antenna far field testing, RF radiation measurements and other applications.

Model Information

Example Part Number: **LB-CNH** **-90** **-10** **-106** **-C** **-SF**

Product Code

Waveguide Size: WR137 to WR5
EIA WC Size or Customized Size

Gain in dB, Standard gain is 15dB, 20dB, 25dB

Polarization options, For Circular and Dual Pol. modules.
Leave blank for Linear Polarization modules.

Figure Type:

-A: Waveguide Output

-C: Coaxial Output. Connector type below needs to be specified

Figure C Connector Type Option:

7/16F=7/16 DIN Female;

NF=N Type-Female; NM=N Type-Male;

SF=SMA-Female; SM=SMA-Male;

3.5F=3.5mm-Female; 3.5M=3.5mm-Male;

KF=2.92mm-Female; KM=2.92mm-Male;

2.4F=2.4mm-Female; 2.4M=2.4mm-Male;

1.85F=1.85mm-Female; 1.85M=1.85mm-Male

Calibration Option

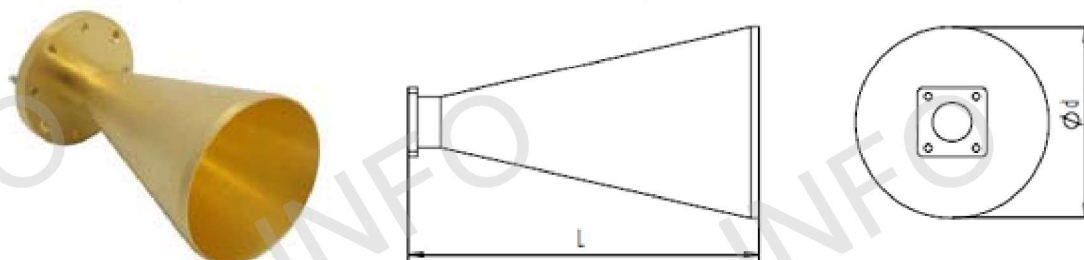
Far Field Calibration Data with Extra Fee

Horn Antenna Accessories

1. Mounting Bracket
2. Tripod
3. Radome
4. Carrying Case

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Conical Horn Antenna and download.

1. Conical Horn with EIA Standard Circular WG Interface

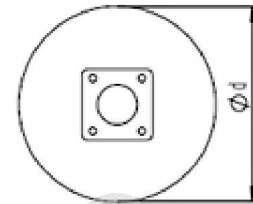
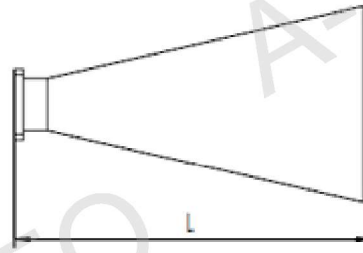


Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							Φd	L	
LB-CNH-WC150-10	5.30~7.27	WC150	10	Linear	A	FAP70-M	-	-	Al
LB-CNH-WC150-15			15	Linear	A	FAP70-M	-	-	Al
LB-CNH-WC150-20			20	Linear	A	FAP70-M	-	-	Al
LB-CNH-WC128-10	6.21~8.51	WC128	10	Linear	A	FBP84	-	-	Al
LB-CNH-WC128-15			15	Linear	A	FBP84	-	-	Al
LB-CNH-WC128-20			20	Linear	A	FBP84	-	-	Al
LB-CNH-WC109-10	7.27~9.97	WC109	10	Linear	A	FBP84	-	-	Al
LB-CNH-WC109-15			15	Linear	A	FBP84	-	-	Al
LB-CNH-WC109-20			20	Linear	A	FBP84	-	-	Al
LB-CNH-WC109-25			25	Linear	A	FBP84	-	-	Al
LB-CNH-WC94-10	8.49~11.60	WC94	10	Linear	A	FBP100	-	-	Al
LB-CNH-WC94-15			15	Linear	A	FBP100	-	-	Al
LB-CNH-WC94-20			20	Linear	A	FBP100	-	-	Al
LB-CNH-WC94-25			25	Linear	A	FBP100	-	-	Al
LB-CNH-WC80-10	9.97~13.70	WC80	10	Linear	A	FBP120	-	-	Al
LB-CNH-WC80-15			15	Linear	A	FBP120	-	-	Al
LB-CNH-WC80-20			20	Linear	A	FBP120	-	-	Al
LB-CNH-WC80-25			25	Linear	A	FBP120	-	-	Al

Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-WC69-10	11.60~15.90	WC69	10	Linear	A	FBP120	-	-	Al
LB-CNH-WC69-15			15	Linear	A	FBP120	-	-	Al
LB-CNH-WC69-20			20	Linear	A	FBP120	-	-	Al
LB-CNH-WC69-25			25	Linear	A	FBP120	-	-	Al
LB-CNH-WC59-10	13.40~18.40	WC59	10	Linear	A	FBP140	-	-	Al
LB-CNH-WC59-15			15	Linear	A	FBP140	-	-	Al
LB-CNH-WC59-20			20	Linear	A	FBP140	-	-	Al
LB-CNH-WC59-25			25	Linear	A	FBP140	-	-	Al
LB-CNH-WC50-10	15.90~21.80	WC50	10	Linear	A	FBP180	-	-	Al
LB-CNH-WC50-15			15	Linear	A	FBP180	-	-	Al
LB-CNH-WC50-20			20	Linear	A	FBP180	-	-	Al
LB-CNH-WC50-25			25	Linear	A	FBP180	-	-	Al
LB-CNH-WC44-10	18.20~24.90	WC44	10	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC44-15			15	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC44-20			20	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC44-25			25	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC38-10	21.20~29.10	WC38	10	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC38-15			15	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC38-20			20	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC38-25			25	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC33-10	24.30~33.20	WC33	10	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC33-15			15	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC33-20			20	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC33-25			25	Linear	A	UG-595/U-M	-	-	Al
LB-CNH-WC28-10	28.30~38.80	WC28	10	Linear	A	UG-381/U-M	-	-	Cu
LB-CNH-WC28-15			15	Linear	A	UG-381/U-M	-	-	Cu
LB-CNH-WC28-20			20	Linear	A	UG-381/U-M	-	-	Cu
LB-CNH-WC28-25			25	Linear	A	UG-381/U-M	-	-	Cu
LB-CNH-WC25-10	31.80~43.00	WC25	10	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC25-15			15	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC25-20			20	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC25-25			25	Linear	A	UG-383/U-M	-	-	Cu

Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-WC22-10	36.40~49.80	WC22	10	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC22-15			15	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC22-20			20	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC22-25			25	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC19-10	42.40~58.10	WC19	10	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC19-15			15	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC19-20			20	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC19-25			25	Linear	A	UG-383/U-M	-	-	Cu
LB-CNH-WC17-10	46.30~63.50	WC17	10	Linear	A	UG-385/U-M	-	-	Cu
LB-CNH-WC17-15			15	Linear	A	UG-385/U-M	-	-	Cu
LB-CNH-WC17-20			20	Linear	A	UG-385/U-M	-	-	Cu
LB-CNH-WC17-25			25	Linear	A	UG-385/U-M	-	-	Cu
LB-CNH-WC14-10	56.60~77.50	WC14	10	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC14-15			15	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC14-20			20	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC14-25			25	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC13-10	63.50~87.20	WC13	10	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC13-15			15	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC13-20			20	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC13-25			25	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC11-10	72.70~99.70	WC11	10	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC11-15			15	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC11-20			20	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC11-25			25	Linear	A	UG-387/U-M	-	-	Cu
LB-CNH-WC9-10	84.80~116.00	WC9	10	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-WC9-15			15	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-WC9-20			20	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-WC9-25			25	Linear	A	UG387/U-M	-	-	Cu

2. Conical Horn with Other Circular WG Interface

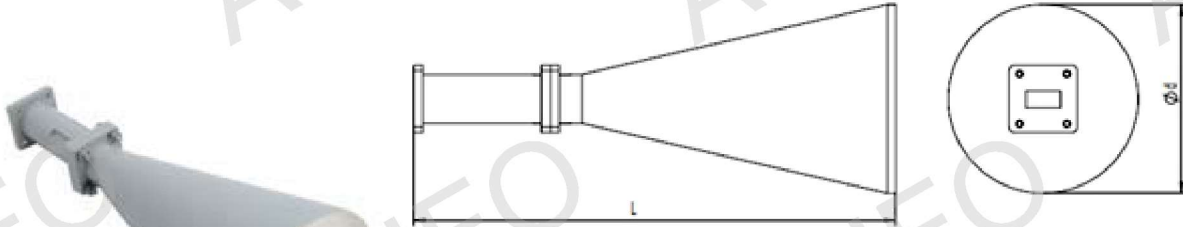


Model	Frequency (GHz)	Size (mm/inch)	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-C25-10	8.20-12.4	25/0.984	10	Linear	A	FBP100	-	-	Al
LB-CNH-C25-15			15	Linear	A	FBP100	-	-	Al
LB-CNH-C25-20			20	Linear	A	FBP100	-	-	Al
LB-CNH-C25-25			25	Linear	A	FBP100	-	-	Al
LB-CNH-C21.5-10	10.0-15.0	21.5/0.846	10	Linear	A	FBP120	-	-	Al
LB-CNH-C21.5-15			15	Linear	A	FBP120	-	-	Al
LB-CNH-C21.5-20			20	Linear	A	FBP120	-	-	Al
LB-CNH-C21.5-25			25	Linear	A	FBP120	-	-	Al
LB-CNH-C16.76-10	12.4-14.6	16.76/0.660	10	Linear	A	FBP140	-	-	Al
LB-CNH-C16.76-15			15	Linear	A	FBP140	-	-	Al
LB-CNH-C16.76-20			20	Linear	A	FBP140	-	-	Al
LB-CNH-C16.76-25			25	Linear	A	FBP140	-	-	Al
LB-CNH-C13.97-10	14.6-17.5	13.97/0.550	10	Linear	A	FBP180	-	-	Al
LB-CNH-C13.97-15			15	Linear	A	FBP180	-	-	Al
LB-CNH-C13.97-20			20	Linear	A	FBP180	-	-	Al
LB-CNH-C13.97-25			25	Linear	A	FBP180	-	-	Al
LB-CNH-C11.94-10	17.5-20.5	11.94/0.470	10	Linear	A	FBP220	-	-	Al
LB-CNH-C11.94-15			15	Linear	A	FBP220	-	-	Al
LB-CNH-C11.94-20			20	Linear	A	FBP220	-	-	Al
LB-CNH-C11.94-25			25	Linear	A	FBP220	-	-	Al
LB-CNH-C10.06-10	20.5-24.5	10.06/0.396	10	Linear	A	FBP220	-	-	Al
LB-CNH-C10.06-15			15	Linear	A	FBP220	-	-	Al
LB-CNH-C10.06-20			20	Linear	A	FBP220	-	-	Al
LB-CNH-C10.06-25			25	Linear	A	FBP220	-	-	Al

Model	Frequency (GHz)	Size (mm/inch)	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-C8.0-10	26.0-33.0	8.0/0.315	10	Linear	A	UG381/U-M	-	-	Al
LB-CNH-C8.0-15			15	Linear	A	UG381/U-M	-	-	Al
LB-CNH-C8.0-20			20	Linear	A	UG381/U-M	47.5	83.8	Cu
LB-CNH-C8.0-25			25	Linear	A	UG381/U-M	-	-	Al
LB-CNH-C4.191-10	50.0-58.0	4.191/0.165	10	Linear	A	UG383/U-M	-	-	Al
LB-CNH-C4.191-15			15	Linear	A	UG383/U-M	-	-	Al
LB-CNH-C4.191-20			20	Linear	A	UG383/U-M	-	-	Al
LB-CNH-C4.191-25			25	Linear	A	UG383/U-M	-	-	Al
LB-CNH-C2.083-10	100.0-112.0	2.083/0.082	10	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C2.083-15			15	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C2.083-20			20	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C2.083-25			25	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.905-10	112.0-125.0	1.905/0.075	10	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.905-15			15	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.905-20			20	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.905-25			25	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.702-10	125.0-140.0	1.702/0.067	10	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.702-15			15	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.702-20			20	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.702-25			25	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.499-10	140.0-160.0	1.499/0.059	10	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.499-15			15	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.499-20			20	Linear	A	UG387/U-M	-	-	Al
LB-CNH-C1.499-25			25	Linear	A	UG387/U-M	-	-	Al

3. Conical Horn with Rectangular WG Transition - Linear Polarization

A Type, WG Output:



C Type, Coaxial Output:



Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							Φd	L	
LB-CNH-137-10-A	5.85-8.20	WR137	10	Linear	A	FDP70	-	-	Al
LB-CNH-137-10-C-XX					C	NF / SF	-	-	
LB-CNH-137-15-A			15	Linear	A	FDP70	-	-	Al
LB-CNH-137-15-C-XX					C	NF / SF	-	-	
LB-CNH-137-20-A			20	Linear	A	FDP70	-	-	Al
LB-CNH-137-20-C-XX					C	NF / SF	-	-	
LB-CNH-112-10-A	7.05-10.0	WR112	10	Linear	A	FBP84	-	-	Al
LB-CNH-112-10-C-XX					C	NF / SF	-	-	
LB-CNH-112-15-A			15	Linear	A	FBP84	-	-	Al
LB-CNH-112-15-C-XX					C	NF / SF	-	-	
LB-CNH-112-20-A			20	Linear	A	FBP84	-	-	Al
LB-CNH-112-20-C-XX					C	NF / SF	-	-	
LB-CNH-90-10-A	8.20-12.4	WR90	10	Linear	A	FBP100	-	-	Al
LB-CNH-90-10-C-XX					C	SF / NF	-	-	
LB-CNH-90-15-A			15	Linear	A	FBP100	66	222	Al
LB-CNH-90-15-C-XX					C	SF / NF	66	260	
LB-CNH-90-20-A			20	Linear	A	FBP100	127	331	Al
LB-CNH-90-20-C-XX					C	SF / NF	127	369	
LB-CNH-90-25-A			25	Linear	A	FBP100	-	-	Al
LB-CNH-90-25-C-XX					C	SF / NF	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-75-10-A	10.0-15.0	WR75	10	Linear	A	FBP120	-	-	Al
LB-CNH-75-10-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-A			15	Linear	A	FBP120	55.6	177.7	Al
LB-CNH-75-15-C-XX					C	SF / NF	55.6	207.7	
LB-CNH-75-20-A			20	Linear	A	FBP120	-	-	Al
LB-CNH-75-20-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-A			25	Linear	A	FBP120	-	-	Al
LB-CNH-75-25-C-XX					C	SF / NF	-	-	
LB-CNH-62-10-A	12.4-18.0	WR62	10	Linear	A	FBP140	-	-	Al
LB-CNH-62-10-C-XX					C	SF / NF	-	-	
LB-CNH-62-15-A			15	Linear	A	FBP140	-	-	Al
LB-CNH-62-15-C-XX					C	SF / NF	-	-	
LB-CNH-62-20-A			20	Linear	A	FBP140	-	-	Al
LB-CNH-62-20-C-XX					C	SF / NF	-	-	
LB-CNH-62-25-A			25	Linear	A	FBP140	-	-	Al
LB-CNH-62-25-C-XX					C	SF / NF	-	-	
LB-CNH-51-10-A	15.0-22.0	WR51	10	Linear	A	FBP180	-	-	Al
LB-CNH-51-10-C-XX					C	SF	-	-	
LB-CNH-51-15-A			15	Linear	A	FBP180	-	-	Al
LB-CNH-51-15-C-XX					C	SF	-	-	
LB-CNH-51-20-A			20	Linear	A	FBP180	-	-	Al
LB-CNH-51-20-C-XX					C	SF	-	-	
LB-CNH-51-25-A			25	Linear	A	FBP180	-	-	Al
LB-CNH-51-25-C-XX					C	SF	-	-	
LB-CNH-42-10-A	18.0-26.5	WR42	10	Linear	A	FBP220	-	-	Al
LB-CNH-42-10-C-XX					C	SF / KF/ 3.5F	-	-	
LB-CNH-42-15-A			15	Linear	A	FBP220	-	-	Al
LB-CNH-42-15-C-XX					C	SF / KF/ 3.5F	-	-	
LB-CNH-42-20-A			20	Linear	A	FBP220	-	-	Al
LB-CNH-42-20-C-XX					C	SF / KF/ 3.5F	-	-	
LB-CNH-42-25-A			25	Linear	A	FBP220	-	-	Al
LB-CNH-42-25-C-XX					C	SF / KF/ 3.5F	-	-	

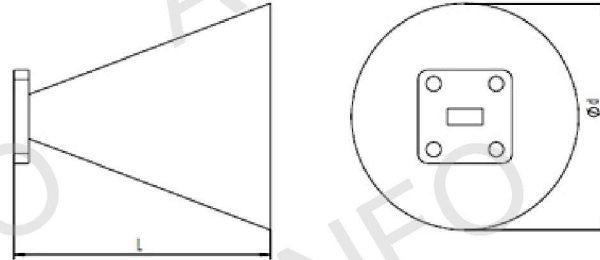
Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-34-10-A	22.0-33.0	WR34	10	Linear	A	FBP260	-	-	Al
LB-CNH-34-10-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-15-A			15	Linear	A	FBP260	-	-	Al
LB-CNH-34-15-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-20-A			20	Linear	A	FBP260	-	-	Al
LB-CNH-34-20-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-25-A			25	Linear	A	FBP260	-	-	Al
LB-CNH-34-25-C-XX					C	2.92mm-Female	-	-	
LB-CNH-28-10-A	26.5-40.0	WR28	10	Linear	A	FBP320	-	-	Cu
LB-CNH-28-10-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-15-A			15	Linear	A	FBP320	-	-	Cu
LB-CNH-28-15-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-20-A			20	Linear	A	FBP320	47.5	121.9	Cu
LB-CNH-28-20-C-XX					C	KF / 2.4F	47.5	145.9	
LB-CNH-28-25-A			25	Linear	A	FBP320	-	-	Cu
LB-CNH-28-25-C-XX					C	KF / 2.4F	-	-	
LB-CNH-22-10-A	33.0-50.0	WR22	10	Linear	A	FUGP400	-	-	Cu
LB-CNH-22-10-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-15-A			15	Linear	A	FUGP400	-	-	Cu
LB-CNH-22-15-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-20-A			20	Linear	A	FUGP400	-	-	Cu
LB-CNH-22-20-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-25-A			25	Linear	A	FUGP400	-	-	Cu
LB-CNH-22-25-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-19-10-A	40.0-60.0	WR19	10	Linear	A	FUGP500	-	-	Cu
LB-CNH-19-10-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-10-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-19-15-A	40.0-60.0		15	Linear	A	FUGP500	-	-	Cu
LB-CNH-19-15-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-15-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-19-20-A	40.0-60.0		20	Linear	A	FUGP500	-	-	Cu
LB-CNH-19-20-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-20-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-19-25-A	40.0-60.0		25	Linear	A	FUGP500	-	-	Cu
LB-CNH-19-25-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-25-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-15-10-A	50.0-75.0	WR15	10	Linear	A	FUGP620	-	-	Cu
LB-CNH-15-10-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-15-A	50.0-75.0		15	Linear	A	FUGP620	-	-	Cu
LB-CNH-15-15-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-20-A	50.0-75.0		20	Linear	A	FUGP620	-	-	Cu
LB-CNH-15-20-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-25-A	50.0-75.0		25	Linear	A	FUGP620	-	-	Cu
LB-CNH-15-25-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-12-10-A	60.0-90.0	WR12	10	Linear	A	FUGP740	-	-	Cu
LB-CNH-12-15-A			15	Linear	A	FUGP740	-	-	Cu
LB-CNH-12-20-A			20	Linear	A	FUGP740	-	-	Cu
LB-CNH-12-25-A			25	Linear	A	FUGP740	-	-	Cu
LB-CNH-10-10-A	75.0-110.0	WR10	10	Linear	A	FUGP900	-	-	Cu
LB-CNH-10-15-A			15	Linear	A	FUGP900	-	-	Cu
LB-CNH-10-20-A			20	Linear	A	FUGP900	-	-	Cu
LB-CNH-10-25-A			25	Linear	A	FUGP900	-	-	Cu
LB-CNH-8-10-A	90.0-140.0	WR8	10	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-15-A			15	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-20-A			20	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-25-A			25	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-10-A	110.0-170.0	WR6	10	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-15-A			15	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-20-A			20	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-25-A			25	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-10-A	140.0-220.0	WR5	10	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-15-A			15	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-20-A			20	Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-25-A			25	Linear	A	UG387/U-M	-	-	Cu

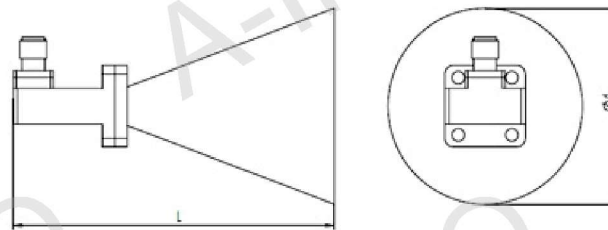
4. Conical Horn with Integrated Rectangular WG Transition - Linear Polarization



A Type, WG Output:



C Type, Coaxial Output:



Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							Φd	L	
YLB-137-10-A	5.85-8.20	WR137	10	Linear	A	FDP70	-	-	Al
YLB-137-10-C-XX					C	NF / SF	-	-	
YLB-137-15-A			15	Linear	A	FDP70	-	-	Al
YLB-137-15-C-XX					C	NF / SF	-	-	
YLB-137-20-A			20	Linear	A	FDP70	-	-	Al
YLB-137-20-C-XX					C	NF / SF	-	-	
YLB-112-10-A	7.05-10.0	WR112	10	Linear	A	FBP84	-	-	Al
YLB-112-10-C-XX					C	NF / SF	-	-	
YLB-112-15-A			15	Linear	A	FBP84	-	-	Al
YLB-112-15-C-XX					C	NF / SF	-	-	
YLB-112-20-A			20	Linear	A	FBP84	-	-	Al
YLB-112-20-C-XX					C	NF / SF	-	-	
YLB-90-10-A	8.20-12.4	WR90	10	Linear	A	FBP100	-	-	Al
YLB-90-10-C-XX					C	SF / NF	-	-	
YLB-90-15-A			15	Linear	A	FBP100	-	-	Al
YLB-90-15-C-XX					C	SF / NF	-	-	
YLB-90-20-A			20	Linear	A	FBP100	-	-	Al
YLB-90-20-C-XX					C	SF / NF	-	-	
YLB-90-25-A			25	Linear	A	FBP100	-	-	Al
YLB-90-25-C-XX					C	SF / NF	-	-	

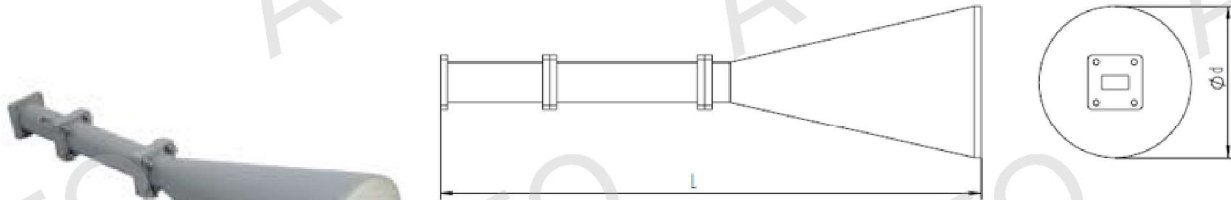
Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
YLB-75-10-A	10.0-15.0	WR75	10	Linear	A	FBP120	-	-	Al
YLB-75-10-C-XX					C	SF / NF	-	-	
YLB-75-15-A			15	Linear	A	FBP120	-	-	Al
YLB-75-15-C-XX					C	SF / NF	-	-	
YLB-75-20-A			20	Linear	A	FBP120	-	-	Al
YLB-75-20-C-XX					C	SF / NF	-	-	
YLB-75-25-A			25	Linear	A	FBP120	-	-	Al
YLB-75-25-C-XX					C	SF / NF	-	-	
YLB-62-10-A	12.4-18.0	WR62	10	Linear	A	FBP140	-	-	Al
YLB-62-10-C-XX					C	SF / NF	-	-	
YLB-62-15-A			15	Linear	A	FBP140	-	-	Al
YLB-62-15-C-XX					C	SF / NF	-	-	
YLB-62-20-A			20	Linear	A	FBP140	-	-	Al
YLB-62-20-C-XX					C	SF / NF	-	-	
YLB-62-25-A			25	Linear	A	FBP140	-	-	Al
YLB-62-25-C-XX					C	SF / NF	-	-	
YLB-51-10-A	15.0-22.0	WR51	10	Linear	A	FBP180	-	-	Al
YLB-51-10-C-XX					C	SF	-	-	
YLB-51-15-A			15	Linear	A	FBP180	-	-	Al
YLB-51-15-C-XX					C	SF	-	-	
YLB-51-20-A			20	Linear	A	FBP180	-	-	Al
YLB-51-20-C-XX					C	SF	-	-	
YLB-51-25-A			25	Linear	A	FBP180	-	-	Al
YLB-51-25-C-XX					C	SF	-	-	
YLB-42-10-A	18.0-26.5	WR42	10	Linear	A	FBP220	-	-	Al
YLB-42-10-C-XX					C	SF / KF / 3.5F	-	-	
YLB-42-15-A			15	Linear	A	FBP220	-	-	Al
YLB-42-15-C-XX					C	SF / KF / 3.5F	-	-	
YLB-42-20-A			20	Linear	A	FBP220	-	-	Al
YLB-42-20-C-XX					C	SF / KF / 3.5F	-	-	
YLB-42-25-A			25	Linear	A	FBP220	-	-	Al
YLB-42-25-C-XX					C	SF / KF / 3.5F	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
YLB-34-10-A	22.0-33.0	WR34	10	Linear	A	FBP260	-	-	Al
YLB-34-10-C-XX					C	2.92mm-Female	-	-	
YLB-34-15-A			15	Linear	A	FBP260	-	-	Al
YLB-34-15-C-XX					C	2.92mm-Female	-	-	
YLB-34-20-A			20	Linear	A	FBP260	-	-	Al
YLB-34-20-C-XX					C	2.92mm-Female	-	-	
YLB-34-25-A			25	Linear	A	FBP260	-	-	Al
YLB-34-25-C-XX					C	2.92mm-Female	-	-	
YLB-28-10-A	26.5-40.0	WR28	10	Linear	A	FBP320	-	-	Cu
YLB-28-10-C-XX					C	KF / 2.4F	-	-	
YLB-28-15-A			15	Linear	A	FBP320	-	-	Cu
YLB-28-15-C-XX					C	KF / 2.4F	-	-	
YLB-28-20-A			20	Linear	A	FBP320	-	-	Cu
YLB-28-20-C-XX					C	KF / 2.4F	-	-	
YLB-28-25-A			25	Linear	A	FBP320	-	-	Cu
YLB-28-25-C-XX					C	KF / 2.4F	-	-	
YLB-22-10-A	33.0-50.0	WR22	10	Linear	A	FUGP400	-	-	Cu
YLB-22-10-C-2.4F					C	2.4mm-Female	-	-	
YLB-22-15-A			15	Linear	A	FUGP400	-	-	Cu
YLB-22-15-C-2.4F					C	2.4mm-Female	-	-	
YLB-22-20-A			20	Linear	A	FUGP400	-	-	Cu
YLB-22-20-C-2.4F					C	2.4mm-Female	-	-	
YLB-22-25-A			25	Linear	A	FUGP400	-	-	Cu
YLB-22-25-C-2.4F					C	2.4mm-Female	-	-	
YLB-19-10-A	40.0-60.0	WR19	10	Linear	A	FUGP500	-	-	Cu
YLB-19-10-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
YLB-19-10-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
YLB-19-15-A	40.0-60.0		15	Linear	A	FUGP500	-	-	Cu
YLB-19-15-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
YLB-19-15-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
YLB-19-20-A	40.0-60.0		20	Linear	A	FUGP500	-	-	Cu
YLB-19-20-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
YLB-19-20-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
YLB-19-25-A	40.0-60.0		25	Linear	A	FUGP500	-	-	Cu
YLB-19-25-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
YLB-19-25-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	

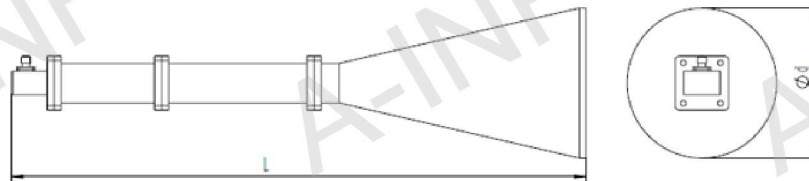
Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
YLB-15-10-A	50.0-75.0	WR15	10	Linear	A	FUGP620	-	-	Cu
YLB-15-10-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
YLB-15-15-A	50.0-75.0		15	Linear	A	FUGP620	-	-	Cu
YLB-15-15-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
YLB-15-20-A	50.0-75.0		20	Linear	A	FUGP620	-	-	Cu
YLB-15-20-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
YLB-15-25-A	50.0-75.0		25	Linear	A	FUGP620	-	-	Cu
YLB-15-25-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
YLB-12-10-A	60.0-90.0	WR12	10	Linear	A	FUGP740	-	-	Cu
YLB-12-15-A			15	Linear	A	FUGP740	-	-	Cu
YLB-12-20-A			20	Linear	A	FUGP740	-	-	Cu
YLB-12-25-A			25	Linear	A	FUGP740	-	-	Cu
YLB-10-10-A	75.0-110.0	WR10	10	Linear	A	FUGP900	-	-	Cu
YLB-10-15-A			15	Linear	A	FUGP900	-	-	Cu
YLB-10-20-A			20	Linear	A	FUGP900	-	-	Cu
YLB-10-25-A			25	Linear	A	FUGP900	-	-	Cu
YLB-8-10-A	90.0-140.0	WR8	10	Linear	A	UG387/U-M	-	-	Cu
YLB-8-15-A			15	Linear	A	UG387/U-M	-	-	Cu
YLB-8-20-A			20	Linear	A	UG387/U-M	-	-	Cu
YLB-8-25-A			25	Linear	A	UG387/U-M	-	-	Cu
YLB-6-10-A	110.0-170.0	WR6	10	Linear	A	UG387/U-M	-	-	Cu
YLB-6-15-A			15	Linear	A	UG387/U-M	-	-	Cu
YLB-6-20-A			20	Linear	A	UG387/U-M	-	-	Cu
YLB-6-25-A			25	Linear	A	UG387/U-M	-	-	Cu
YLB-5-10-A	140.0-220.0	WR5	10	Linear	A	UG387/U-M	-	-	Cu
YLB-5-15-A			15	Linear	A	UG387/U-M	-	-	Cu
YLB-5-20-A			20	Linear	A	UG387/U-M	-	-	Cu
YLB-5-25-A			25	Linear	A	UG387/U-M	-	-	Cu

5. Conical Horn with Polarizer and Rectangular WG Transition - Circular Polarization

A Type, WG Output:



C Type, Coaxial Output:

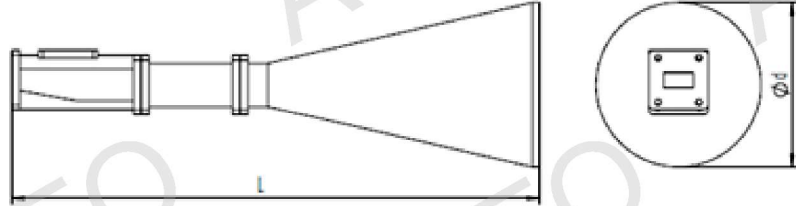


Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							Φd	L	
LB-CNH-75-10-R16-A	11.0-14.0	WR75	10	RHCP	A	FBP120	-	-	Al
LB-CNH-75-10-R16-C-XX					C	SF / NF	-	-	
LB-CNH-75-10-L16-A			10	LHCP	A	FBP120	-	-	Al
LB-CNH-75-10-L16-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-R16-A			15	RHCP	A	FBP120	55.6	285.7	Al
LB-CNH-75-15-R16-C-XX					C	SF / NF	55.6	315.7	
LB-CNH-75-15-L16-A			15	LHCP	A	FBP120	55.6	285.7	Al
LB-CNH-75-15-L16-C-XX					C	SF / NF	55.6	315.7	
LB-CNH-75-20-R16-A			20	RHCP	A	FBP120	-	-	Al
LB-CNH-75-20-R16-C-XX					C	SF / NF	-	-	
LB-CNH-75-20-L16-A			20	LHCP	A	FBP120	-	-	Al
LB-CNH-75-20-L16-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-R16-A			25	RHCP	A	FBP120	-	-	Al
LB-CNH-75-25-R16-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-L16-A			25	LHCP	A	FBP120	-	-	Al
LB-CNH-75-25-L16-C-XX					C	SF / NF	-	-	

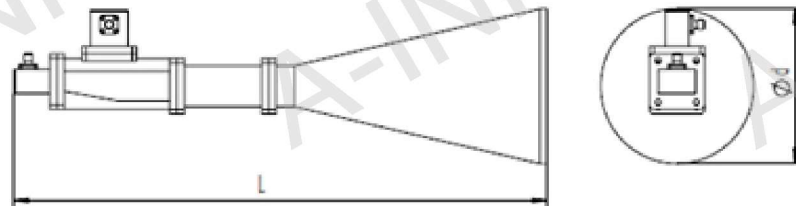
Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-22-10-R16a-A	36.0-43.0	WR22	10	RHCP	A	FUGP400	-	-	Cu
LB-CNH-22-10-R16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-10-L16a-A			10	LHCP	A	FUGP400	-	-	Cu
LB-CNH-22-10-L16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-15-R16a-A			15	RHCP	A	FUGP400	-	-	Cu
LB-CNH-22-15-R16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-15-L16a-A			15	LHCP	A	FUGP400	-	-	Cu
LB-CNH-22-15-L16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-20-R16a-A			20	RHCP	A	FUGP400	-	-	Cu
LB-CNH-22-20-R16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-20-L16a-A			20	LHCP	A	FUGP400	-	-	Cu
LB-CNH-22-20-L16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-25-R16a-A			25	RHCP	A	FUGP400	-	-	Cu
LB-CNH-22-25-R16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-25-L16a-A			25	LHCP	A	FUGP400	-	-	Cu
LB-CNH-22-25-L16a-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-10-10-R06a-A	75.0-86.0	WR10	10	RHCP	A	FUGP900	-	-	Cu
LB-CNH-10-10-L06a-A				LHCP	A	FUGP900	-	-	
LB-CNH-10-15-R06a-A			15	RHCP	A	FUGP900	-	-	Cu
LB-CNH-10-15-L06a-A				LHCP	A	FUGP900	-	-	
LB-CNH-10-20-R06a-A			20	RHCP	A	FUGP900	19.1	76.3	Cu
LB-CNH-10-20-L06a-A				LHCP	A	FUGP900	19.1	76.3	
LB-CNH-10-25-R06a-A			25	RHCP	A	FUGP900	-	-	Cu
LB-CNH-10-25-L06a-A				LHCP	A	FUGP900	-	-	

6. Conical Horn with Ortho-Mode Transducer (OMT) - Dual Linear Polarization

A Type, WG Output:



C Type, Coaxial Output:



Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							Φd	L	
LB-CNH-137-10-T02-A	5.85-8.20	WR137	10	Dual Linear	A	FDP70	-	-	Al
LB-CNH-137-10-T02-C-XX					C	NF / SF	-	-	
LB-CNH-137-15-T02-A			15	Dual Linear	A	FDP70	-	-	Al
LB-CNH-137-15-T02-C-XX					C	NF / SF	-	-	
LB-CNH-137-20-T02-A			20	Dual Linear	A	FDP70	-	-	Al
LB-CNH-137-20-T02-C-XX					C	NF / SF	-	-	
LB-CNH-112-10-T02-A	7.05-10.0	WR112	10	Dual Linear	A	FBP84	-	-	Al
LB-CNH-112-10-T02-C-XX					C	NF / SF	-	-	
LB-CNH-112-15-T02-A			15	Dual Linear	A	FBP84	-	-	Al
LB-CNH-112-15-T02-C-XX					C	NF / SF	-	-	
LB-CNH-112-20-T02-A			20	Dual Linear	A	FBP84	-	-	Al
LB-CNH-112-20-T02-C-XX					C	NF / SF	-	-	
LB-CNH-90-10-T02-A	8.20-12.4	WR90	10	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-10-T02-C-XX					C	SF / NF	-	-	
LB-CNH-90-15-T02-A			15	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-15-T02-C-XX					C	SF / NF	-	-	
LB-CNH-90-20-T02-A			20	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-20-T02-C-XX					C	SF / NF	-	-	
LB-CNH-90-25-T02-A			25	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-25-T02-C-XX					C	SF / NF	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-90-10-T06-A	8.20-10.8	WR90	10	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-10-T06-C-XX					C	SF / NF	-	-	
LB-CNH-90-15-T06-A			15	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-15-T06-C-XX					C	SF / NF	-	-	
LB-CNH-90-20-T06-A			20	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-20-T06-C-XX					C	SF / NF	-	-	
LB-CNH-90-25-T06-A			25	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-25-T06-C-XX					C	SF / NF	-	-	
LB-CNH-90-10-T16-A	8.90-11.7	WR90	10	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-10-T16-C-XX					C	SF / NF	-	-	
LB-CNH-90-15-T16-A			15	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-15-T16-C-XX					C	SF / NF	-	-	
LB-CNH-90-20-T16-A			20	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-20-T16-C-XX					C	SF / NF	-	-	
LB-CNH-90-25-T16-A			25	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-25-T16-C-XX					C	SF / NF	-	-	
LB-CNH-90-10-T26-A	9.30-12.4	WR90	10	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-10-T26-C-XX					C	SF / NF	-	-	
LB-CNH-90-15-T26-A			15	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-15-T26-C-XX					C	SF / NF	-	-	
LB-CNH-90-20-T26-A			20	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-20-T26-C-XX					C	SF / NF	-	-	
LB-CNH-90-25-T26-A			25	Dual Linear	A	FBP100	-	-	Al
LB-CNH-90-25-T26-C-XX					C	SF / NF	-	-	
LB-CNH-75-10-T02-A	10.0-15.0	WR75	10	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-10-T02-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-T02-A			15	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-15-T02-C-XX					C	SF / NF	-	-	
LB-CNH-75-20-T02-A			20	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-20-T02-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-T02-A			25	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-25-T02-C-XX					C	SF / NF	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-75-10-T06-A	10.0-13.0	WR75	10	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-10-T06-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-T06-A			15	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-15-T06-C-XX					C	SF / NF	-	-	
LB-CNH-75-20-T06-A			20	Dual Linear	A	FBP120	106	339	Al
LB-CNH-75-20-T06-C-XX					C	SF / NF	106	369	
LB-CNH-75-25-T06-A			25	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-25-T06-C-XX					C	SF / NF	-	-	
LB-CNH-75-10-T16-A	11.0-14.0	WR75	10	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-10-T16-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-T16-A			15	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-15-T16-C-XX					C	SF / NF	-	-	
LB-CNH-75-20-T16-A			20	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-20-T16-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-T16-A			25	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-25-T16-C-XX					C	SF / NF	-	-	
LB-CNH-75-10-T26-A	12.0-15.0	WR75	10	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-10-T26-C-XX					C	SF / NF	-	-	
LB-CNH-75-15-T26-A			15	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-15-T26-C-XX					C	SF / NF	-	-	
LB-CNH-75-20-T26-A			20	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-20-T26-C-XX					C	SF / NF	-	-	
LB-CNH-75-25-T26-A			25	Dual Linear	A	FBP120	-	-	Al
LB-CNH-75-25-T26-C-XX					C	SF / NF	-	-	
LB-CNH-62-10-T02-A	12.4-18.0	WR62	10	Dual Linear	A	FBP140	-	-	Al
LB-CNH-62-10-T02-C-XX					C	SF / NF	-	-	
LB-CNH-62-15-T02-A			15	Dual Linear	A	FBP140	-	-	Al
LB-CNH-62-15-T02-C-XX					C	SF / NF	-	-	
LB-CNH-62-20-T02-A			20	Dual Linear	A	FBP140	-	-	Al
LB-CNH-62-20-T02-C-XX					C	SF / NF	-	-	
LB-CNH-62-25-T02-A			25	Dual Linear	A	FBP140	-	-	Al
LB-CNH-62-25-T02-C-XX					C	SF / NF	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-51-10-T02-A	15.0-22.0	WR51	10	Dual Linear	A	FBP180	-	-	Al
LB-CNH-51-10-T02-C-XX					C	SF	-	-	
LB-CNH-51-15-T02-A			15	Dual Linear	A	FBP180	-	-	Al
LB-CNH-51-15-T02-C-XX					C	SF	-	-	
LB-CNH-51-20-T02-A			20	Dual Linear	A	FBP180	-	-	Al
LB-CNH-51-20-T02-C-XX					C	SF	-	-	
LB-CNH-51-25-T02-A			25	Dual Linear	A	FBP180	-	-	Al
LB-CNH-51-25-T02-C-XX					C	SF	-	-	
LB-CNH-42-10-T02-A	18.0-26.5	WR42	10	Dual Linear	A	FBP220	-	-	Al
LB-CNH-42-10-T02-C-XX					C	SF/KF/3.5F	-	-	
LB-CNH-42-15-T02-A			15	Dual Linear	A	FBP220	-	-	Al
LB-CNH-42-15-T02-C-XX					C	SF/KF/3.5F	-	-	
LB-CNH-42-20-T02-A			20	Dual Linear	A	FBP220	-	-	Al
LB-CNH-42-20-T02-C-XX					C	SF/KF/3.5F	-	-	
LB-CNH-42-25-T02-A			25	Dual Linear	A	FBP220	-	-	Al
LB-CNH-42-25-T02-C-XX					C	SF/KF/3.5F	-	-	
LB-CNH-34-10-T02-A	22.0-33.0	WR34	10	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-10-T02-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-15-T02-A			15	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-15-T02-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-20-T02-A			20	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-20-T02-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-25-T02-A			25	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-25-T02-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-10-T06-A	22.0-29.0	WR34	10	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-10-T06-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-15-T06-A			15	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-15-T06-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-20-T06-A			20	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-20-T06-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-25-T06-A			25	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-25-T06-C-XX					C	2.92mm-Female	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-34-10-T16-A	23.8-31.2	WR34	10	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-10-T16-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-15-T16-A			15	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-15-T16-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-20-T16-A			20	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-20-T16-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-25-T16-A			25	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-25-T16-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-10-T26-A	25.0-33.0	WR34	10	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-10-T26-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-15-T26-A			15	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-15-T26-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-20-T26-A			20	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-20-T26-C-XX					C	2.92mm-Female	-	-	
LB-CNH-34-25-T26-A			25	Dual Linear	A	FBP260	-	-	Al
LB-CNH-34-25-T26-C-XX					C	2.92mm-Female	-	-	
LB-CNH-28-10-T02-A	26.5-40.0	WR28	10	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-10-T02-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-15-T02-A			15	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-15-T02-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-20-T02-A			20	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-20-T02-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-25-T02-A			25	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-25-T02-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-10-T06-A	30.0-40.0	WR28	10	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-10-T06-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-15-T06-A			15	Dual Linear	A	FBP320	23	106.75	Cu
LB-CNH-28-15-T06-C-XX					C	KF / 2.4F	23	130.8	
LB-CNH-28-20-T06-A			20	Dual Linear	A	FBP320	47.5	140.85	Cu
LB-CNH-28-20-T06-C-XX					C	KF / 2.4F	47.5	164.9	
LB-CNH-28-25-T06-A			25	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-25-T06-C-XX					C	KF / 2.4F	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-28-10-T16-A	28.5-38.0	WR28	10	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-10-T16-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-15-T16-A			15	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-15-T16-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-20-T16-A			20	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-20-T16-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-25-T16-A			25	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-25-T16-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-10-T26-A	26.0-35.0	WR28	10	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-10-T26-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-15-T26-A			15	Dual Linear	A	FBP320	23	108.75	Cu
LB-CNH-28-15-T26-C-XX					C	KF / 2.4F	23	132.8	
LB-CNH-28-20-T26-A			20	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-20-T26-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-25-T26-A			25	Dual Linear	A	FBP320	-	-	Cu
LB-CNH-28-25-T26-C-XX					C	KF / 2.4F	-	-	
LB-CNH-28-20-T68-A	24.0-50.0	WR28	20	Dual Linear	A	FBP320	47.5	199.37	Cu
LB-CNH-28-20-T68-C-2.4F					C	2.4mm-Female	47.5	222.99	
LB-CNH-22-10-T02-A	33.0-50.0	WR22	10	Dual Linear	A	FUGP400	-	-	Cu
LB-CNH-22-10-T02-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-15-T02-A			15	Dual Linear	A	FUGP400	-	-	Cu
LB-CNH-22-15-T02-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-20-T02-A			20	Dual Linear	A	FUGP400	-	-	Cu
LB-CNH-22-20-T02-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-22-25-T02-A			25	Dual Linear	A	FUGP400	-	-	Cu
LB-CNH-22-25-T02-C-2.4F					C	2.4mm-Female	-	-	
LB-CNH-19-10-T02-A	40.0-60.0	WR19	10	Dual Linear	A	FUGP500	-	-	Cu
LB-CNH-19-10-T02-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-10-T02-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-19-15-T02-A	40.0-60.0		15	Dual Linear	A	FUGP500	-	-	Cu
LB-CNH-19-15-T02-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-15-T02-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	

Model	Frequency (GHz)	Waveguide	Gain (dB)	Pol.	Figure	Output	Size (mm)		Material
							φd	L	
LB-CNH-19-20-T02-A	40.0-60.0		20	Dual Linear	A	FUGP500	-	-	Cu
LB-CNH-19-20-T02-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-20-T02-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-19-25-T02-A	40.0-60.0		25	Dual Linear	A	FUGP500	-	-	Cu
LB-CNH-19-25-T02-C-2.4F	40.0-50.0				C	2.4mm-Female	-	-	
LB-CNH-19-25-T02-C-1.85F	40.0-60.0				C	1.85mm-Female	-	-	
LB-CNH-15-10-T02-A	50.0-75.0	WR15	10	Dual Linear	A	FUGP620	-	-	Cu
LB-CNH-15-10-T02-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-15-T02-A	50.0-75.0		15	Dual Linear	A	FUGP620	-	-	Cu
LB-CNH-15-15-T02-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-20-T02-A	50.0-75.0		20	Dual Linear	A	FUGP620	-	-	Cu
LB-CNH-15-20-T02-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-15-25-T02-A	50.0-75.0		25	Dual Linear	A	FUGP620	-	-	Cu
LB-CNH-15-25-T02-C-1.85F	50.0-65.0				C	1.85mm-Female	-	-	
LB-CNH-12-10-T02-A	60.0-90.0	WR12	10	Dual Linear	A	FUGP740	-	-	Cu
LB-CNH-12-15-T02-A			15	Dual Linear	A	FUGP740	-	-	Cu
LB-CNH-12-20-T02-A			20	Dual Linear	A	FUGP740	-	-	Cu
LB-CNH-12-25-T02-A			25	Dual Linear	A	FUGP740	-	-	Cu
LB-CNH-10-10-T02-A	75.0-110.0	WR10	10	Dual Linear	A	FUGP900	-	-	Cu
LB-CNH-10-15-T02-A			15	Dual Linear	A	FUGP900	-	-	Cu
LB-CNH-10-20-T02-A			20	Dual Linear	A	FUGP900	-	-	Cu
LB-CNH-10-25-T02-A			25	Dual Linear	A	FUGP900	-	-	Cu
LB-CNH-8-10-T02-A	90.0-140.0	WR8	10	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-15-T02-A			15	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-20-T02-A			20	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-8-25-T02-A			25	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-10-T02-A	110.0-170.0	WR6	10	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-15-T02-A			15	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-20-T02-A			20	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-6-25-T02-A			25	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-10-T02-A	140.0-220.0	WR5	10	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-15-T02-A			15	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-20-T02-A			20	Dual Linear	A	UG387/U-M	-	-	Cu
LB-CNH-5-25-T02-A			25	Dual Linear	A	UG387/U-M	-	-	Cu

Conical Horn Antenna 8.2~12.4GHz

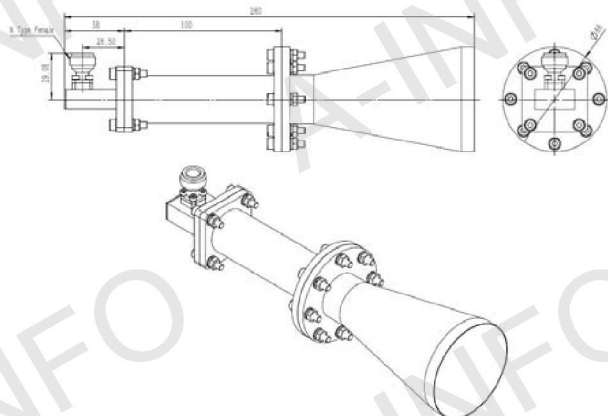
P/N: LB-CNH-90-15



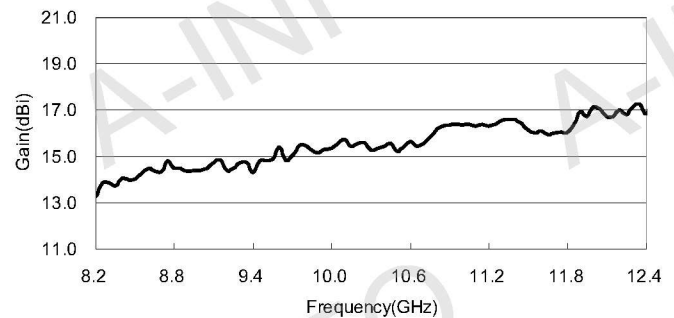
Technical Specification

Frequency Range(GHz)	8.2-12.4
Waveguide	WR90
Gain (dBi)	15 Typ.
3dB Beamwidth(deg)	E Plane: 30 Typ. H Plane: 25 Typ.
Polarization	Linear
Cross Pol. Isolation(dB)	-40 Typ.
VSWR	A Type: 1.5 Max. C Type: 1.5 Max.
Material	Al
Output	A Type: FBP100(UBR100) C Type: N-F or SMA-F
Size(mm)	A Type: $\Phi 66 \times 222$ C Type: $\Phi 66 \times 260$
Net Weight(Kg)	A Type: 0.55 Around C Type: 0.60 Around

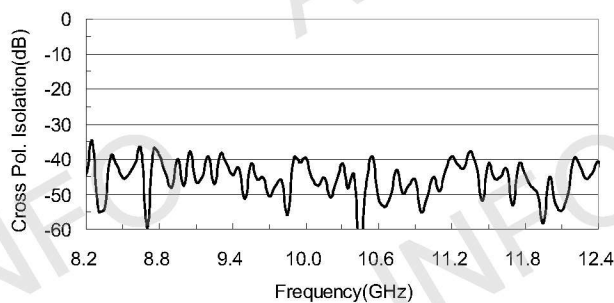
Outline Drawing(Size: mm)



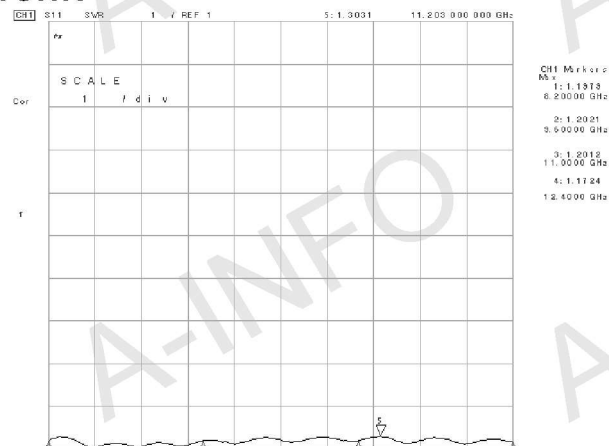
Gain



Cross Polarization Isolation



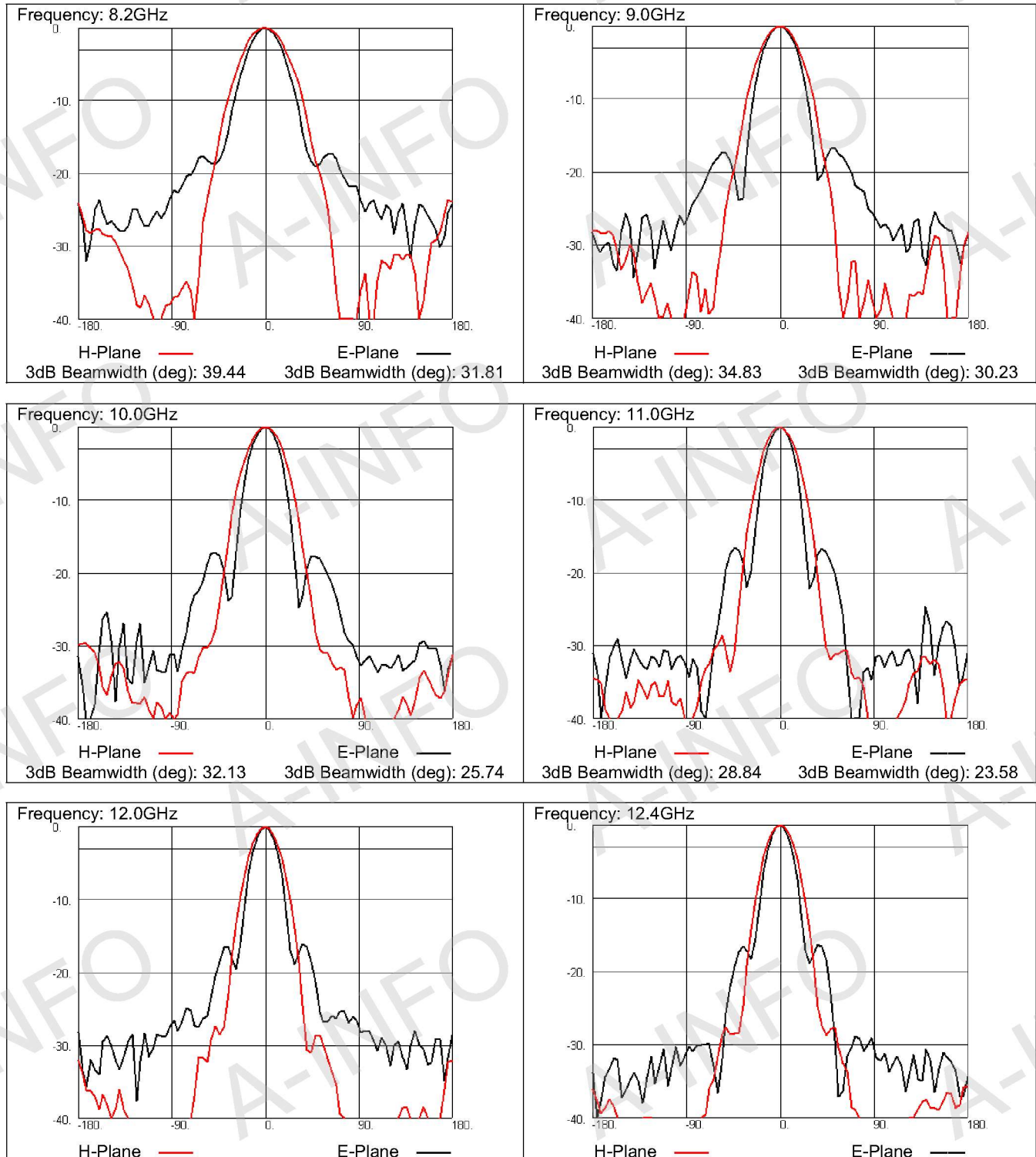
VSWR



Conical Horn Antenna 8.2~12.4GHz(continued)

P/N: LB-CNH-90-15

Pattern



Conical Horn Antenna 30.0~40.0GHz

P/N: LB-CNH-28-20-T06

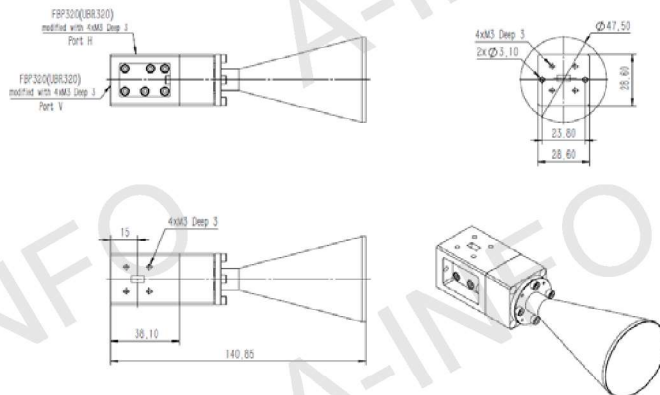


Technical Specification

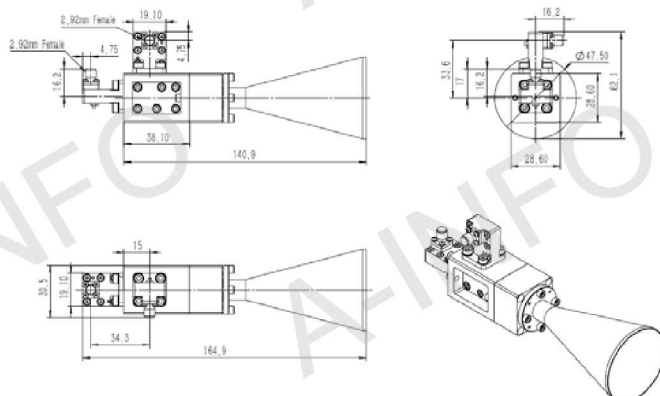
Frequency Range(GHz)	30.0-40.0
Waveguide	WR28
Gain (dBi)	20 Typ.
Polarization	Dual Linear
3dB Beamwidth(deg)	E Plane: 12 Typ. H Plane: 14 Typ.
Cross Pol. Isolation(dB)	-30 Typ.
Port to Port Isolation(dB)	30 Min.
VSWR	2.0 Typ.
Output	A Type: FBP320(UBR320) (Modified with 4xM3 Deep 3) C Type: 2.92mm-Female or 2.4mm-Female
Material	Cu
Size(mm)	A Type: $\Phi 47.5 \times 140.85$ C Type: $\Phi 62.1 \times 164.9$
Net Weight(Kg)	A Type: 0.36 Around C Type: 0.44 Around

Outline Drawing(Size: mm)

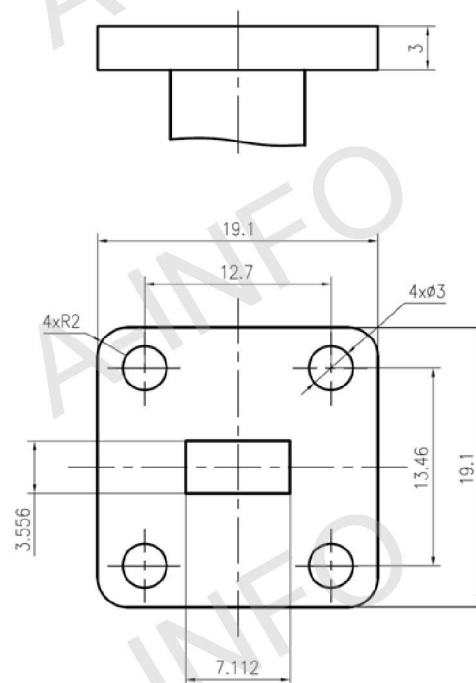
A Type(With FBP320 Output)



C Type (With 2.92mm-Female Output)



Flange Drawing (Size: mm)

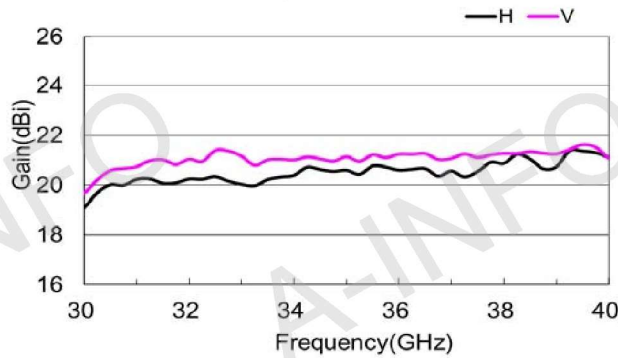


FBP320

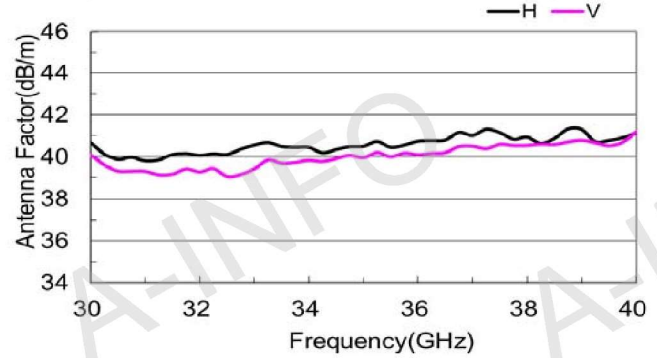
Conical Horn Antenna 30.0~40.0GHz(continued)

P/N: LB-CNH-28-20-T06

Gain

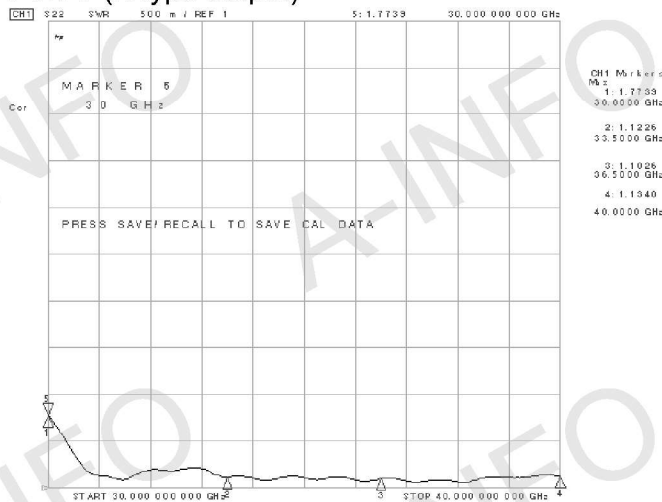


Antenna Factor



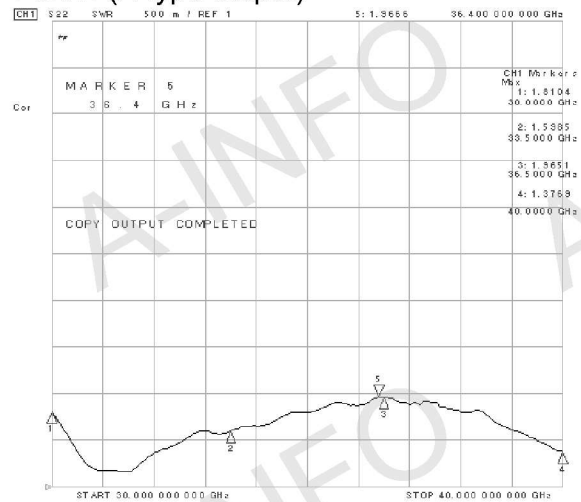
VSWR

Port-V (A type output)

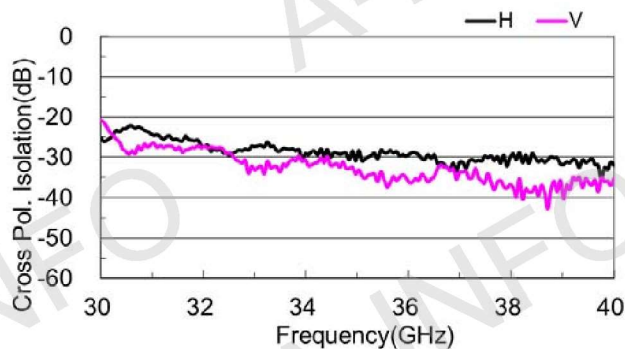


VSWR

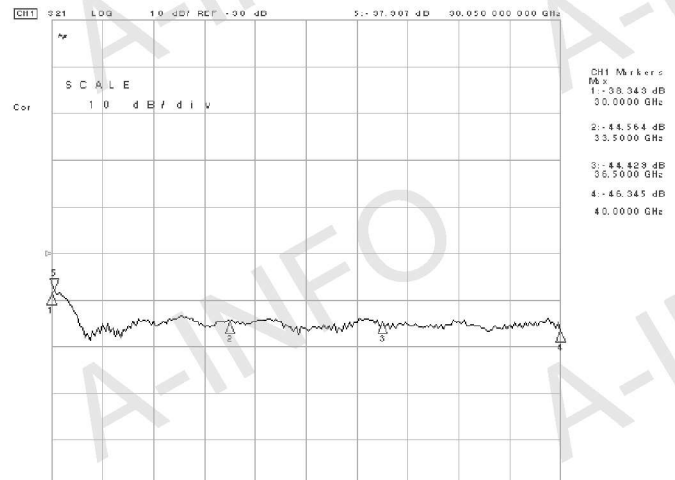
Port-H (A type output)



Cross Polarization Isolation



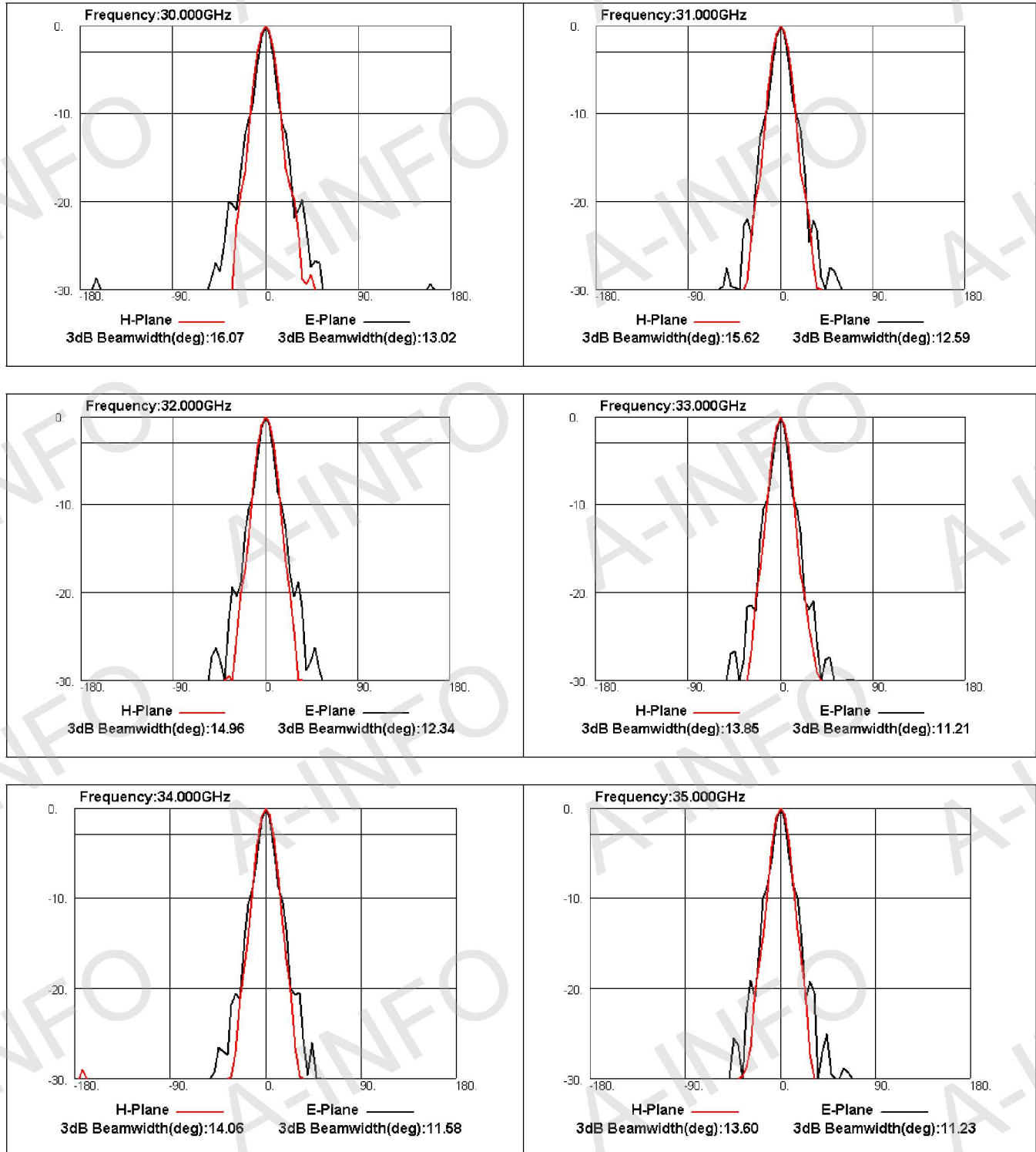
Port to Port Isolation



Conical Horn Antenna 30.0~40.0GHz(continued)

P/N: LB-CNH-28-20-T06

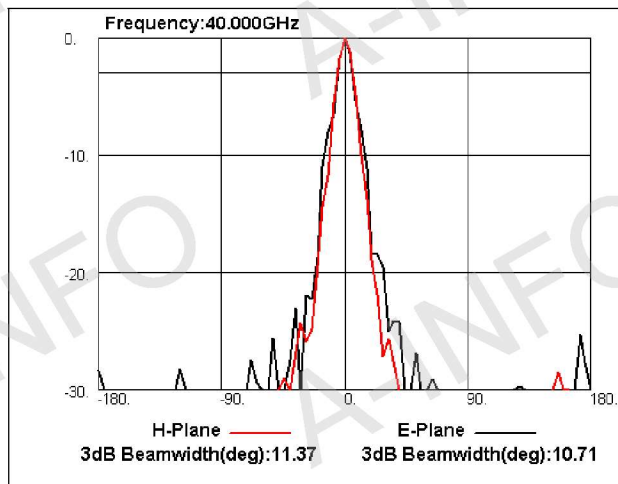
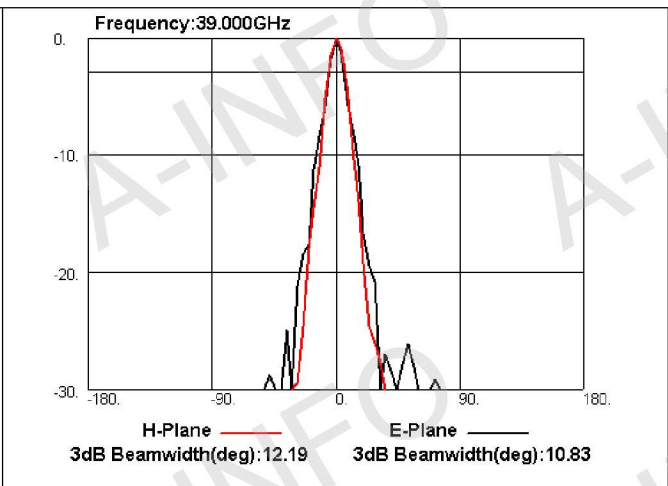
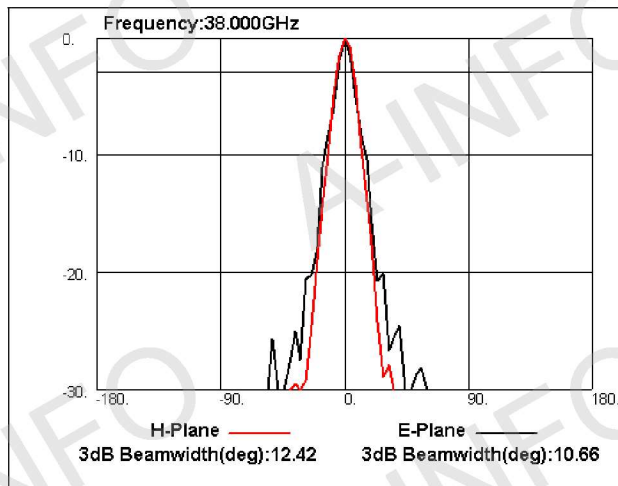
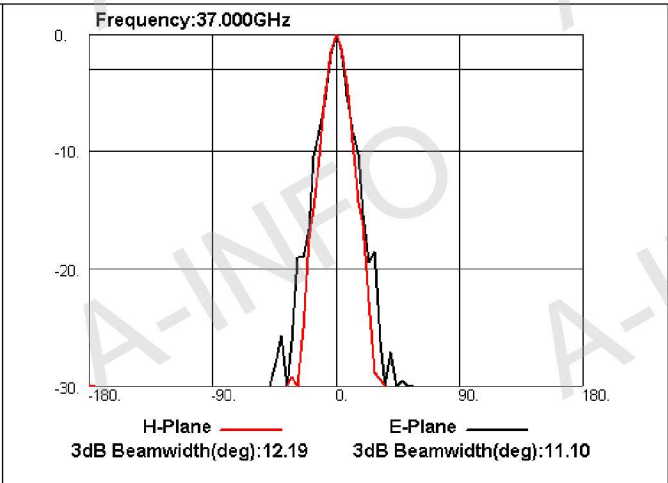
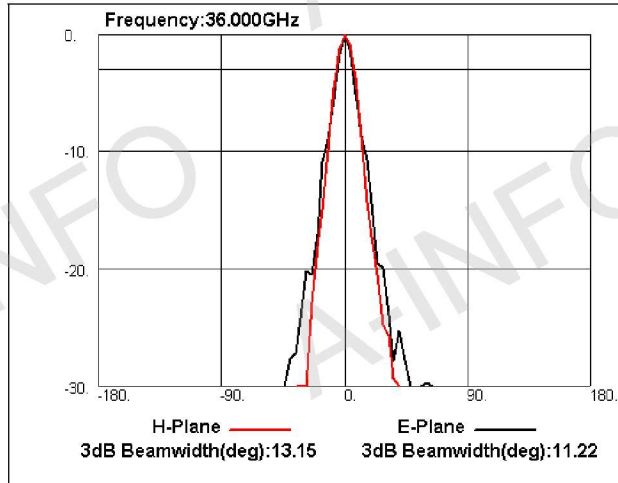
Pattern



Conical Horn Antenna 30.0~40.0GHz(continued)

P/N: LB-CNH-28-20-T06

Pattern



Corrugated Conical Horn Antenna



Model Information				
Example Part Number: LB-CH -90 -15 -C -SF				
Product Code				
Waveguide Size: WR90 -WR10				
Gain in dB, Standard gain is 10dB, 15dB, 20dB, 25dB				
Figure Type:				
-A: Waveguide Output				
-C: Coaxial Output. Connector type below needs to be specified				
Figure C Connector Type Option:				
7/16F=7/16 DIN Female;				
NF=N Type-Female; NM=N Type-Male;				
SF=SMA-Female; SM=SMA-Male;				
3.5F=3.5mm-Female; 3.5M=3.5mm-Male;				
KF=2.92mm-Female; KM=2.92mm-Male;				
2.4F=2.4mm-Female; 2.4M=2.4mm-Male;				
1.85F=1.85mm-Female; 1.85M=1.85mm-Male				

For detailed test data, pls. Log on www.ainfoinc.com – Antenna –Corrugated Conical Horn Antenna and download.

Model	Freq. (GHz)	WG	Pol.	Gain (dB) Typ.	Figure	VSWR Typ.	Output	Size(mm)	
								Length	Aperture Diameter
LB-CH-90-15-A	8.2-12.4	WR90	Linear	15	A	1.15	FBP100	228	90
LB-CH-90-15-C-XX					C	1.5	SF/NF	266	90
LB-CH-90-20-A				20	A	1.15	FBP100	335	150
LB-CH-90-20-C-XX					C	1.5	SF/NF	373	150
LB-CH-90-25-A				25	A	1.15	FBP100	-	-
LB-CH-90-25-C-XX					C	1.5	SF/NF	-	-
LB-CH-75-15-A	10.0-15.0	WR75	Linear	15	A	1.15	FBP120	145.3	81.34
LB-CH-75-15-C-XX					C	1.5	SF/NF	175.3	81.34
LB-CH-75-20-A				20	A	1.15	FBP120	251.4	136.44
LB-CH-75-20-C-XX					C	1.5	SF/NF	281.4	136.44
LB-CH-75-25-A				25	A	1.15	FBP120	-	-
LB-CH-75-25-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-15-A	12.4-18.0	WR62	Linear	15	A	1.15	FBP140	-	-
LB-CH-62-15-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-20-A				20	A	1.15	FBP140	-	-
LB-CH-62-20-C-XX					C	1.5	SF/NF	-	-
LB-CH-62-25-A				25	A	1.15	FBP140	-	-
LB-CH-62-25-C-XX					C	1.5	SF/NF	-	-

Model	Freq. (GHz)	WG	Pol.	Gain (dB) Typ.	Figure	VSWR Typ.	Output	Size(mm)	
								Length	Aperture Diameter
LB-CH-51-15-A	15.0-22.0	WR51	Linear	15	A	1.2	FBP180	-	-
LB-CH-51-15-C-XX					C	1.5	SF	-	-
LB-CH-51-20-A				20	A	1.2	FBP180	-	-
LB-CH-51-20-C-XX					C	1.5	SF	-	-
LB-CH-51-25-A				25	A	1.2	FBP180	-	-
LB-CH-51-25-C-XX					C	1.5	SF	-	-
LB-CH-42-15-A	18.0-26.5	WR42	Linear	15	A	1.2	FBP220	-	-
LB-CH-42-15-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-42-20-A				20	A	1.2	FBP220	-	-
LB-CH-42-20-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-42-25-A				25	A	1.2	FBP220	-	-
LB-CH-42-25-C-XX					C	1.5	SF/KF/3.5F	-	-
LB-CH-34-15-A	22.0-33.0	WR34	Linear	15	A	1.2	FBP260	-	-
LB-CH-34-15-C-XX					C	1.5	KF	-	-
LB-CH-34-20-A				20	A	1.2	FBP260	-	-
LB-CH-34-20-C-XX					C	1.5	KF	-	-
LB-CH-34-25-A				25	A	1.2	FBP260	-	-
LB-CH-34-25-C-XX					C	1.5	KF	-	-
LB-CH-28-15-A	26.5-40.0	WR28	Linear	15	A	1.2	FBP320	-	-
LB-CH-28-15-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-28-20-A				20	A	1.2	FBP320	-	-
LB-CH-28-20-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-28-25-A				25	A	1.2	FBP320	-	-
LB-CH-28-25-C-XX					C	1.5	KF/2.4F	-	-
LB-CH-22-15-A	33.0-50.0	WR22	Linear	15	A	1.2	FUGP400	-	-
LB-CH-22-15-C-XX					C	1.5	2.4F	-	-
LB-CH-22-20-A				20	A	1.2	FUGP400	-	-
LB-CH-22-20-C-XX					C	1.5	2.4F	-	-
LB-CH-22-25-A				25	A	1.2	FUGP400	-	-
LB-CH-22-25-C-XX					C	1.5	2.4F	-	-
LB-CH-19-15-A	40.0-60.0	WR19	Linear	15	A	1.2	FUGP500	-	-
LB-CH-19-15-C-XX					C	1.5	1.85F	-	-
LB-CH-19-20-A				20	A	1.2	FUGP500	-	-
LB-CH-19-20-C-XX					C	1.5	1.85F	-	-
LB-CH-19-25-A				25	A	1.2	FUGP500	-	-
LB-CH-19-25-C-XX					C	1.5	1.85F	-	-

Model	Freq. (GHz)	WG	Pol.	Gain (dB) Typ.	Figure	VSWR Typ.	Output	Size(mm)	
								Length	Aperture Diameter
LB-CH-15-15-A	50.0-75.0	WR15	Linear	15	A	1.2	FUGP620	-	-
LB-CH-15-15-C-XX	50.0-65.0				C	1.5	1.85F	-	-
LB-CH-15-C20	59.0-67.0		Linear	15	A	1.5	FUGP620	-	-
LB-CH-15-C21			LHCP	15	A	1.5	FUGP620	-	-
LB-CH-15-C22			RHCP	15	A	1.5	FUGP620	-	-
LB-CH-15-20-A	50.0-75.0		Linear	20	A	1.2	FUGP620	-	-
LB-CH-15-20-C-XX	50.0-65.0				C	1.5	1.85F	-	-
LB-CH-15-25-A	50.0-75.0		Linear	25	A	1.2	FUGP620	-	-
LB-CH-15-25-C-XX	50.0-65.0				C	1.5	1.85F	-	-
LB-CH-15-C10	59.0-67.0		Linear	25	A	1.2	FUGP620	119.2	42.3
LB-CH-15-C11			LHCP	25	A	1.3	FUGP620	119.2	42.3
LB-CH-15-C12			RHCP	25	A	1.3	FUGP620	119.2	42.3
LB-CH-12-15-A	60.0-90.0	WR12	Linear	15	A	1.5	FUGP740	-	-
LB-CH-12-20-A			Linear	20	A	1.5	FUGP740	-	-
LB-CH-12-25-A			Linear	25	A	1.5	FUGP740	-	-
LB-CH-10-15-A	75.0-110.0	WR10	Linear	15	A	1.5	FUGP900	-	-
LB-CH-10-20-A			Linear	20	A	1.5	FUGP900	-	-
LB-CH-10-25-A			Linear	25	A	1.5	FUGP900	-	-

Corrugated Conical Horn Antenna 8.2~12.4GHz

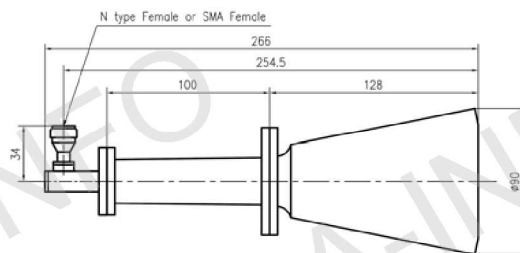
P/N: LB-CH-90-15



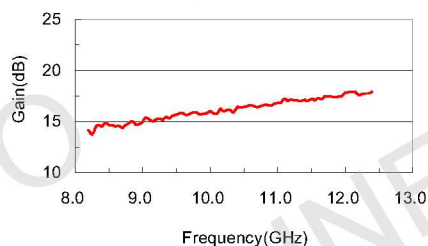
Technical Specification

Polarization	Linear
Frequency Range(GHz)	8.2 - 12.4
Gain(dB)	15 Typ.
VSWR	A Type:1.15 Typ./ C Type:1.5 Typ.
Cross Pol. Isolation(dB)	-40 Typ.
Material	Al
Output	A Type: FBP100 / C Type: N-F or SMA-F
Size(mm)	A Type: $\Phi 90 \times 228$ C Type: $\Phi 90 \times 266$
Net Weight(Kg)	A Type: 0.7 /C Type: 0.8 Around

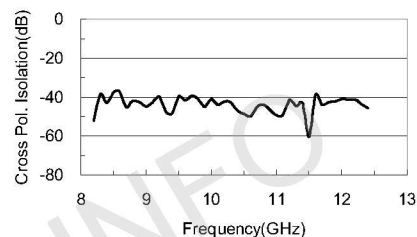
Outline Drawing (Size: mm)



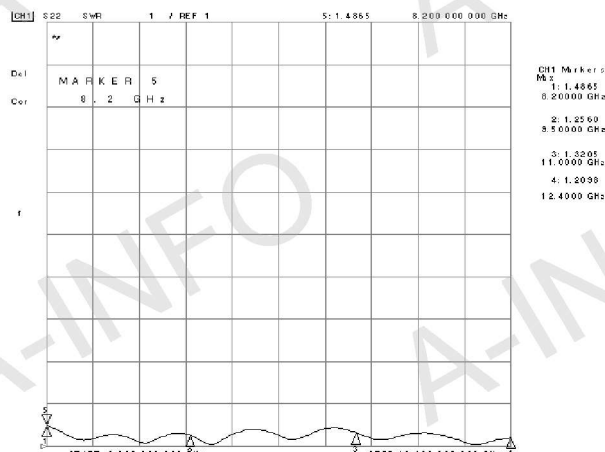
Gain



Cross Polarization Isolation



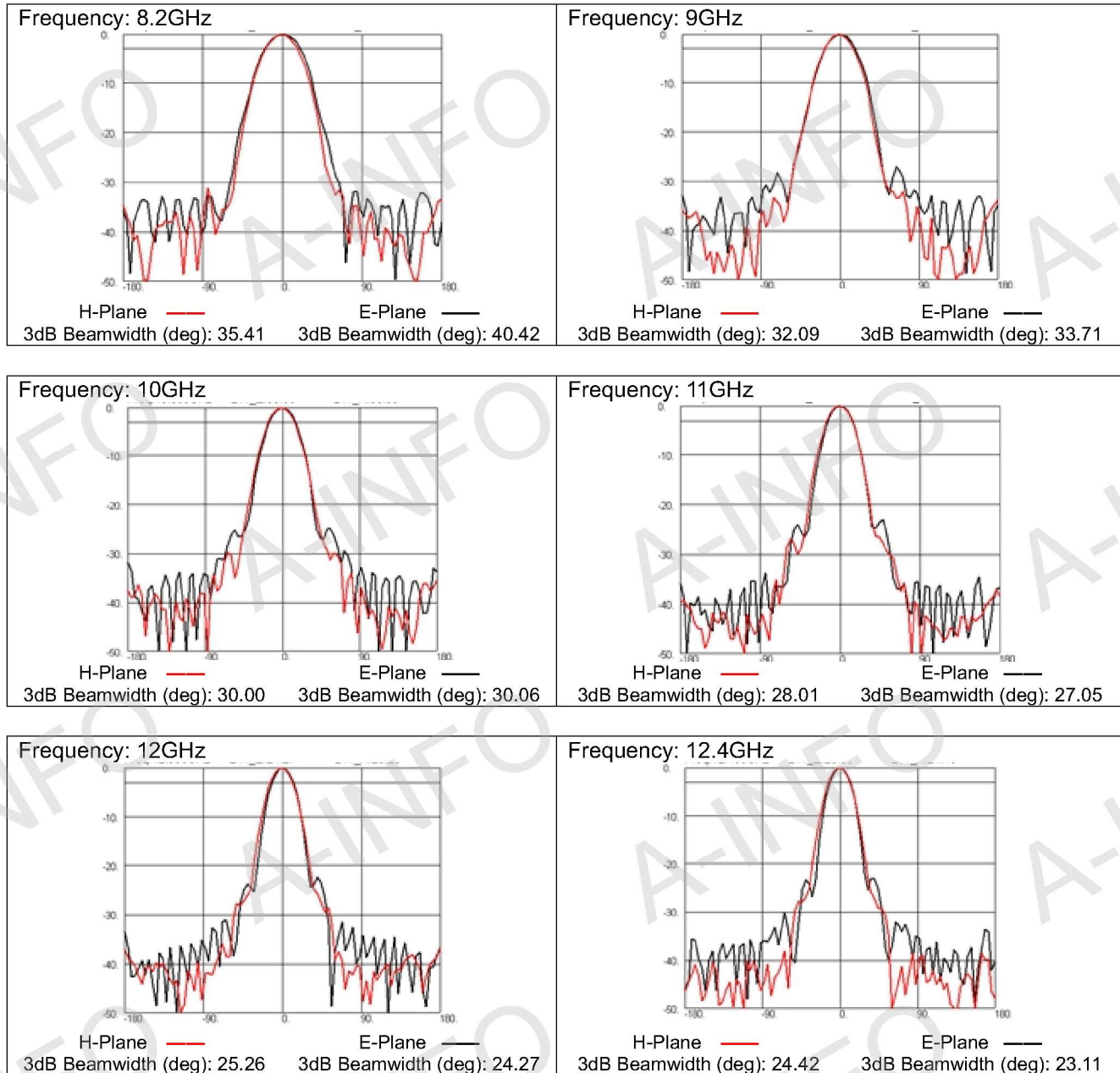
VSWR



Corrugated Conical Horn Antenna 8.2-12.4GHz(continued)

P/N: LB-CH-90-15

Pattern



Corrugated Conical Horn Antenna 8.2~12.4GHz

P/N: LB-CH-90-20

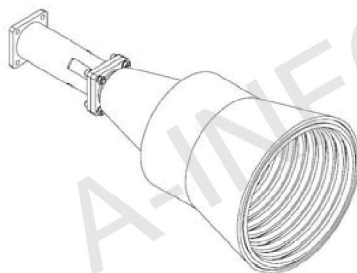
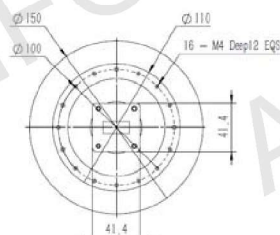
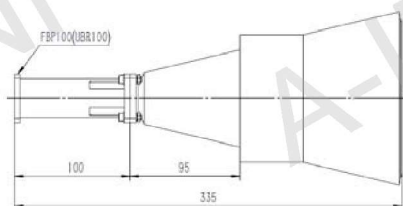


Technical Specification

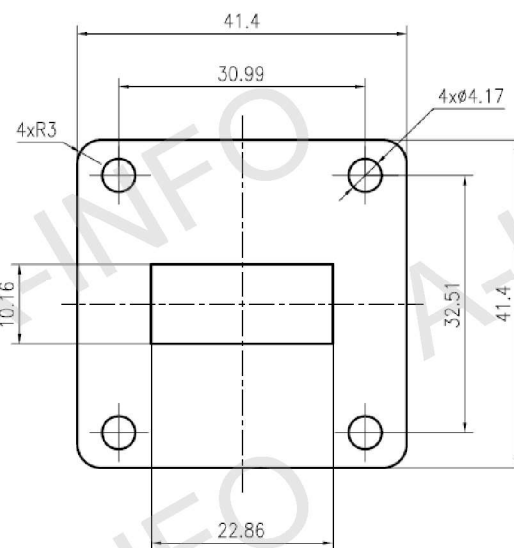
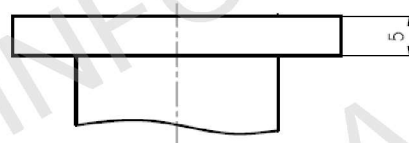
Frequency Range(GHz)	8.2 - 12.4
Waveguide	WR90
Gain(dB)	20 Typ.
Polarization	Linear
Cross Pol. Isolation(dB)	-40 Typ.
VSWR	A Type: 1.15:1 Typ. C Type: 1.5:1 Typ.
Output	A Type: FBP100 C Type: SMA-Female or N-Female
Material	Al
Size(mm)	A Type: $\Phi 150 \times 335$ C Type: $\Phi 150 \times 373$
Net Weight(Kg)	A Type: 1.6 Around C Type: 1.7 Around

Outline Drawing (Size: mm)

A Type(With FBP100 Output)



Flange Outline Drawing (Size: mm)



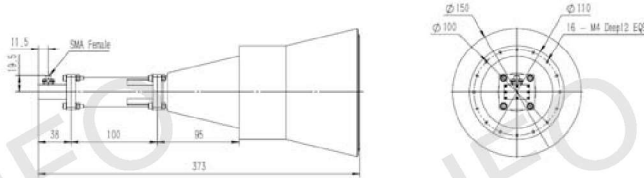
FBP100

Corrugated Conical Horn Antenna 8.2-12.4GHz(continued)

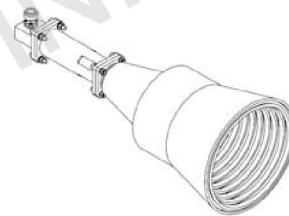
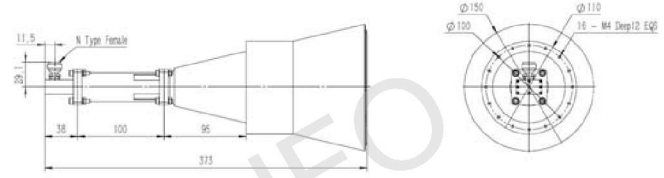
P/N: LB-CH-90-20

Outline Drawing (Size: mm)

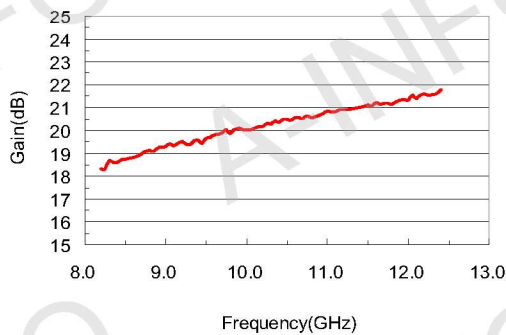
C Type (With SMA-Female Output)



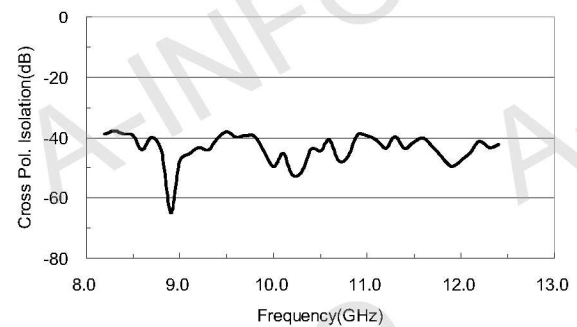
C Type (With N type Female Output)



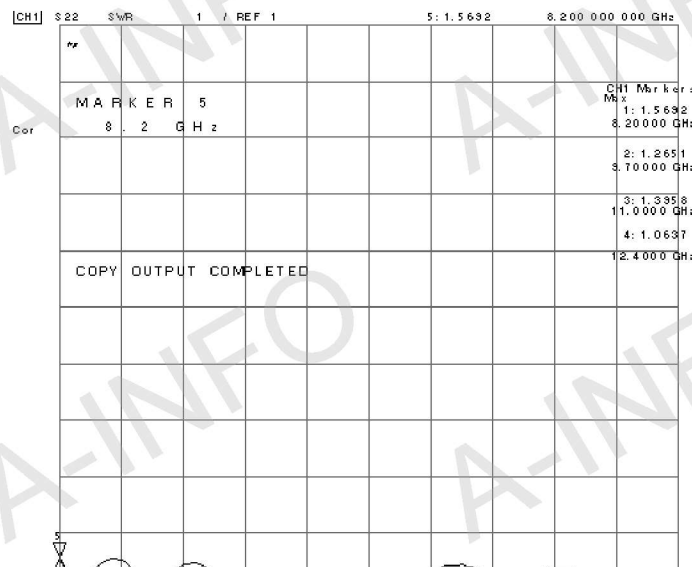
Gain



Cross Polarization Isolation



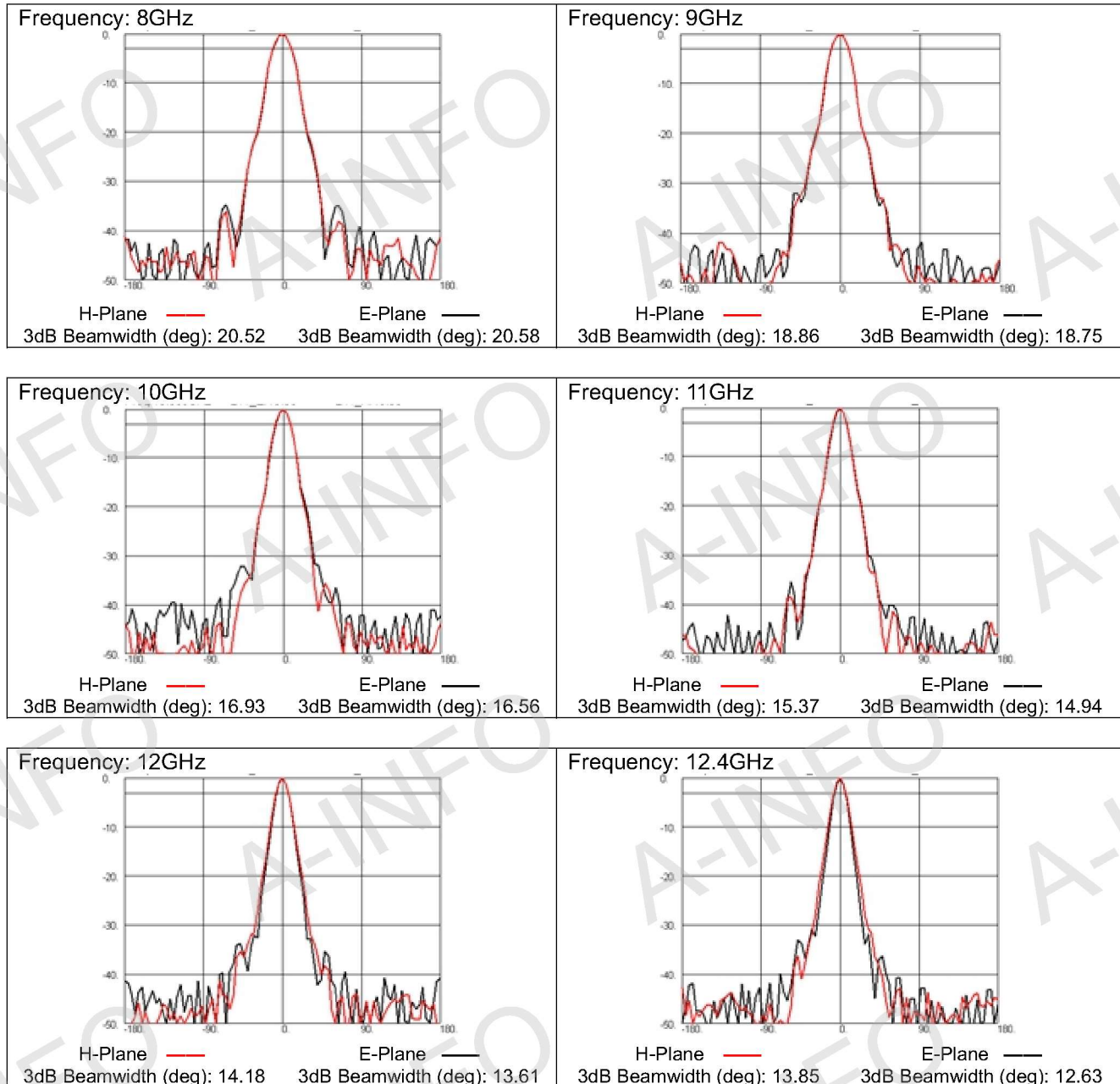
VSWR



Corrugated Conical Horn Antenna 8.2-12.4GHz(continued)

P/N: LB-CH-90-20

Pattern



Corrugated Conical Horn Antenna 59-67GHz

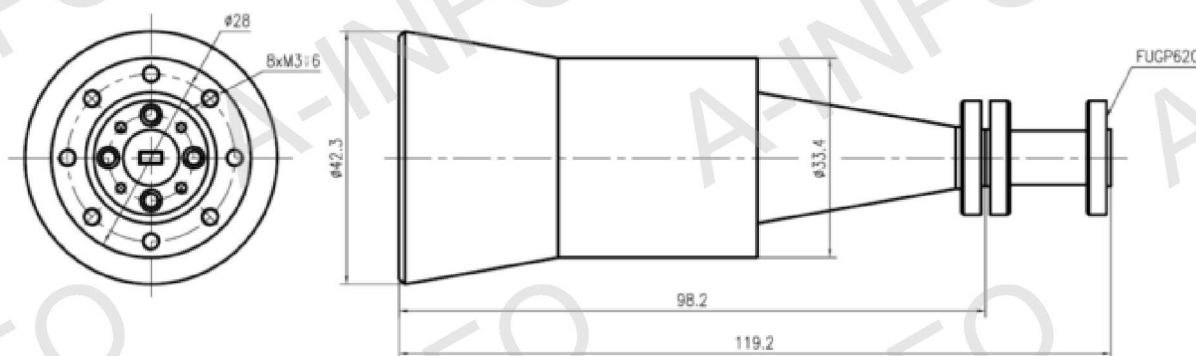
P/N: LB-CH-15-C10



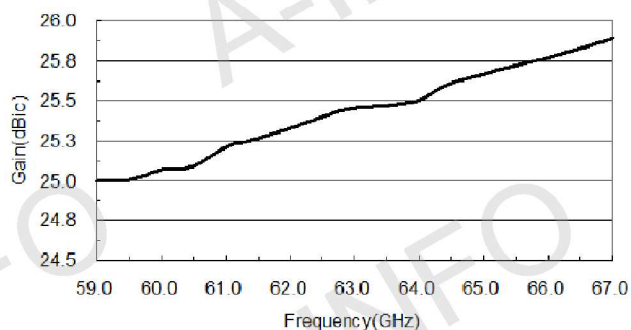
Technical Specification

Polarization	Linear
Frequency Range(GHz)	59-67
Gain(dBic)	25 Typ.
Side Lobe(dB)	-30 Typ.
VSWR	1.2 Typ.
Waveguide	WR15
Output	FUGP620
Material	Cu
Size(mm)	Φ42.3 x 119.2 Approx.
Net Weight(Kg)	0.25 Around

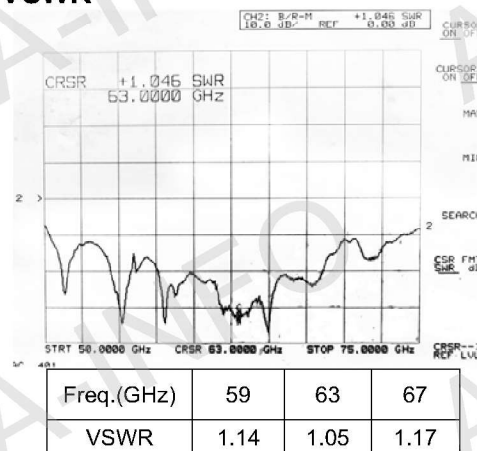
Outline Drawing (Size: mm)



Gain



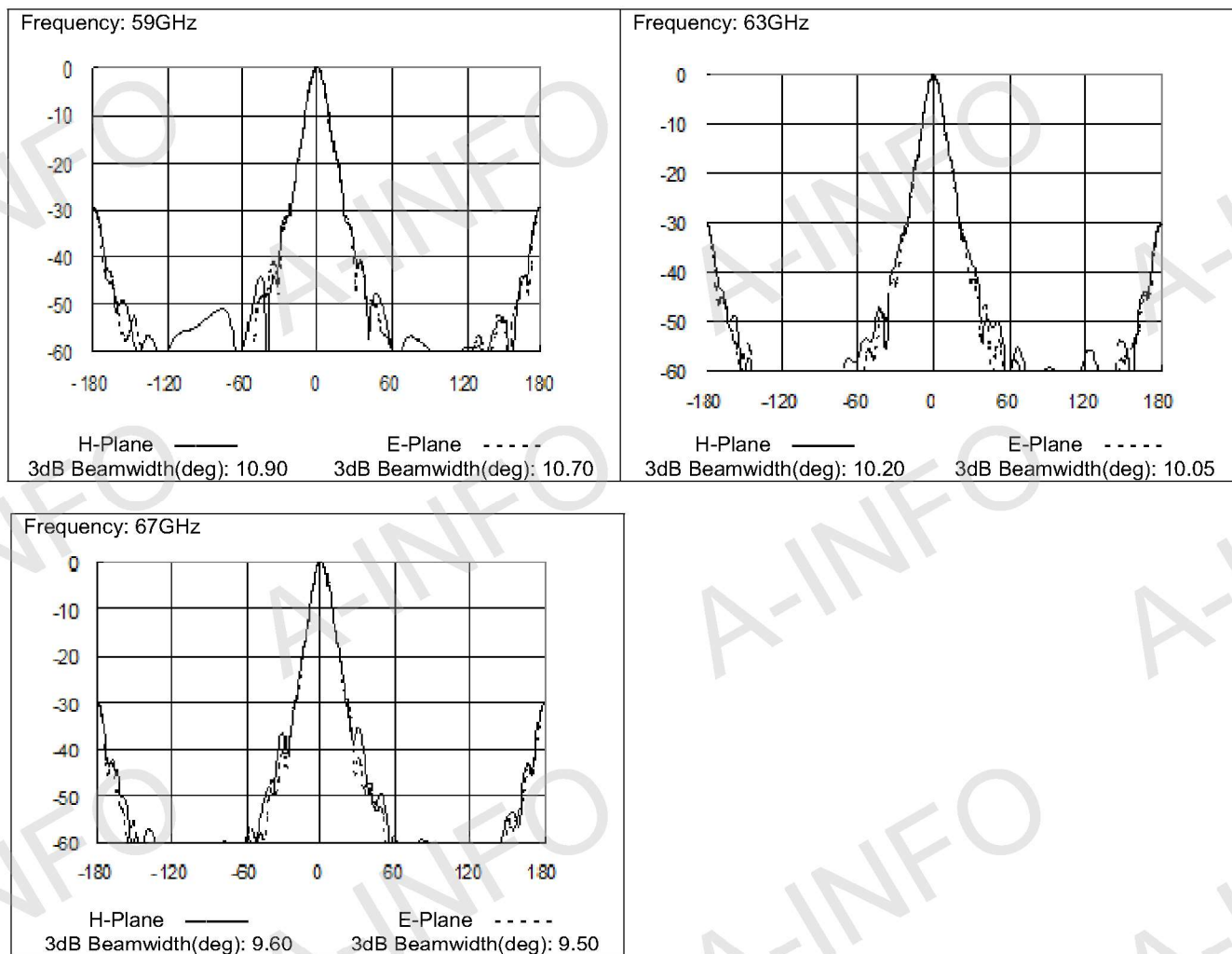
VSWR



Corrugated Conical Horn Antenna 59-67GHz(continued)

P/N: LB-CH-15-C10

Pattern



Corrugated Conical Horn Antenna 59-67GHz

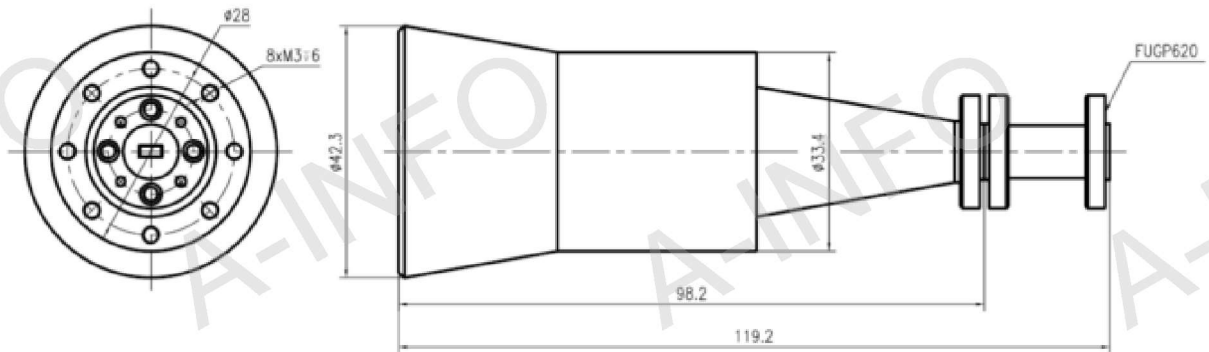
P/N: LB-CH-15-C11



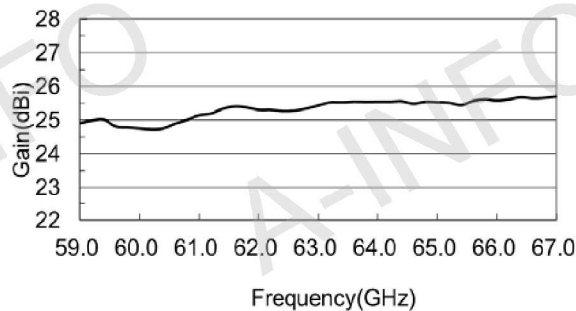
Technical Specification

Polarization	LHCP
Frequency Range(GHz)	59-67
Gain(dBic)	25 Typ.
Side Lobe(dB)	-30 Min.
VSWR	1.3 Max.
Axial Ratio(dB)	2.0 Typ. / 3.0 Max.
Output	FUGP620
Material	Cu
Size(mm)	Φ42.3 x 119.2 Approx.
Net Weight(Kg)	0.25 Around

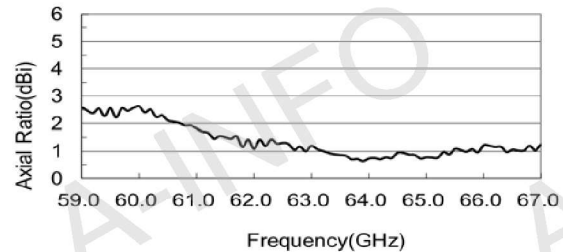
Outline Drawing (Size: mm)



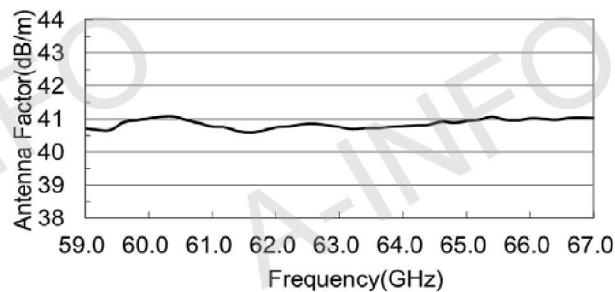
Gain



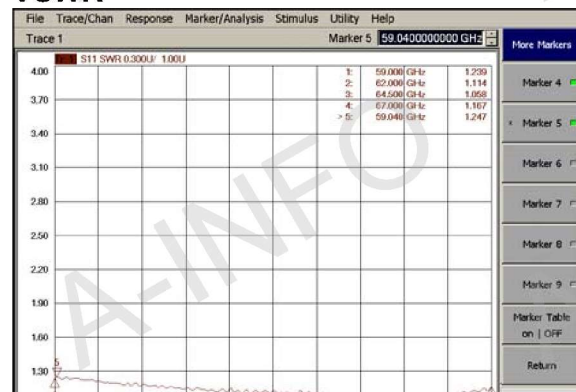
Axial Ratio



Antenna Factor



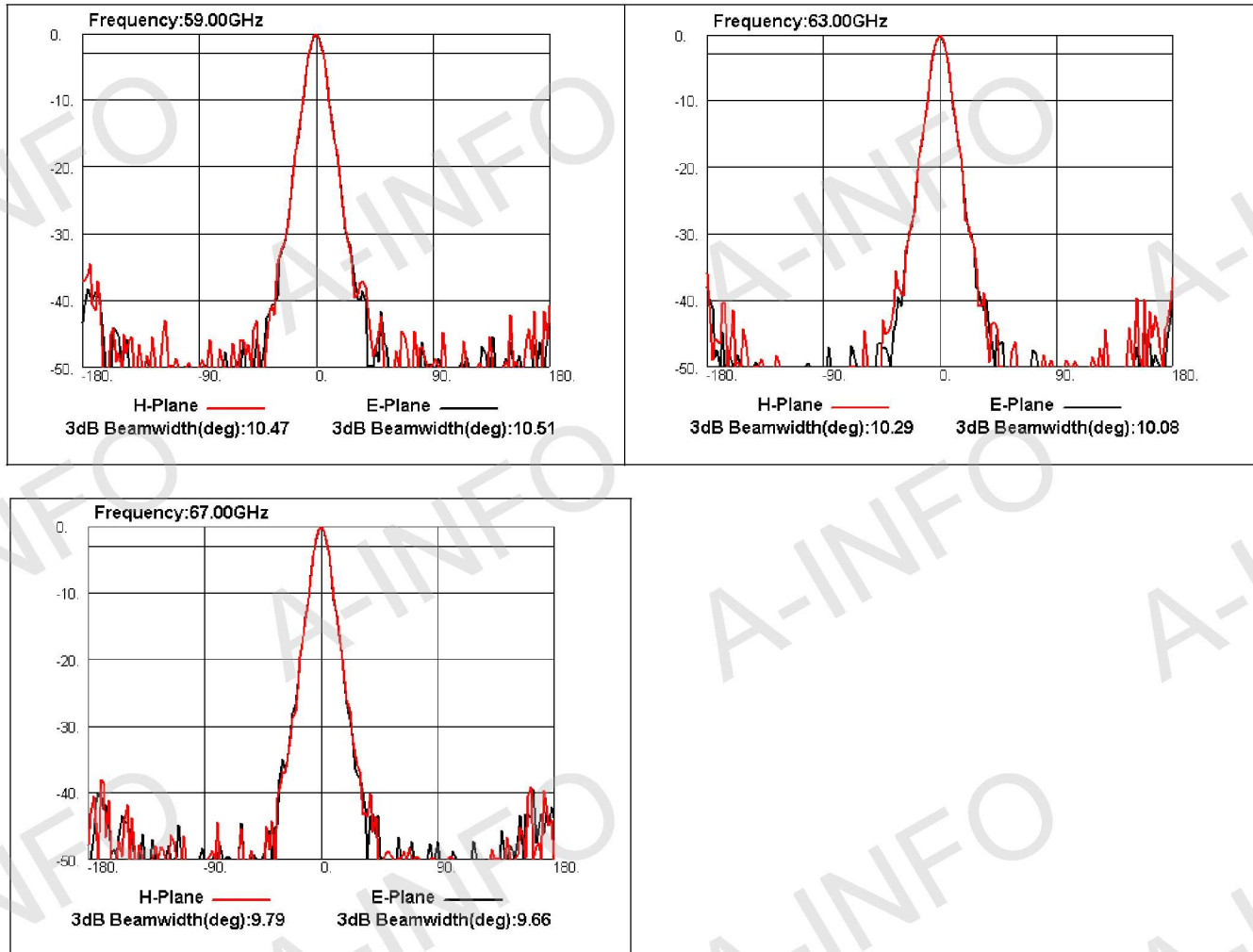
VSWR



Corrugated Conical Horn Antenna 59-67GHz(continued)

P/N: LB-CH-15-C11

Pattern



Corrugated Feed Horn Antenna

Include the following Types Corrugated Feed Horn Antennas:

1. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface (Table 1)
2. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Equipped with Absorber (Table 2)
3. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Dual Linear Polarization (Table 3)
4. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Dual Linear Polarization, Equipped with Absorber (Table 4)

LB-ACH series corrugated feed horn antennas are axially corrugated aperture design horn. Those corrugated feed horn antennas have features like: rotationally symmetric radiation pattern, low cross polarization and stable amplitude taper within operating frequency. There are four kinds of polarization options: Linear, Circular(RHCP/LHCP), Dual Linear and Dual Circular for LB-ACH series feed horn antenna. A-INFO's corrugated feed horn antennas can cover from 0.75GHz to 220GHz frequency range. Those feed horn antennas are precisely fabricated to minimize the tolerance of aperture corrugated groove and are ideally suited for Compact Antenna Test Range(CATR), Reflector antennas and other applications. All feed horn antennas have an option of integration with absorber for better gain flatness and radiation pattern.

Model Information	
Example Part Number:	LB-ACH -90 -10 -T06 -C -SF -A1
Product Code	
Waveguide Size: WR975 to WR5	
EIA WR Size	
Gain in dB, Standard gain is 10dB	
Polarization options, For Circular and Dual Pol. modules. Leave blank for Linear Polarization modules.	
Figure Type:	
-A: Waveguide Output	
-C: Coaxial Output. Connector type below needs to be specified	
Figure C Connector Type Option:	
7/16=7/16 DIN Female;	
N=N Type-Female; NM=N Type-Male;	
S=SMA-Female; SM=SMA-Male;	
3.5=3.5mm-Female; 3.5M=3.5mm-Male;	
K=2.92mm-Female; KM=2.92mm-Male	
2.4=2.4mm-Female; 2.4M=2.4mm-Male;	
1.85=1.85mm-Female; 1.85M=1.85mm-Male	
Option for Absorber	
A1: Standard Absorber	

Calibration Option

Far Field Calibration Data with Extra Fee

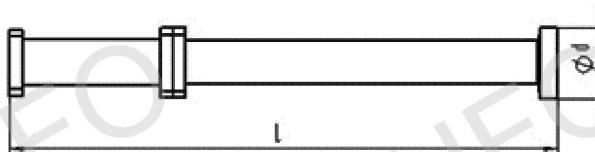
Feed Horn Antenna Accessories

1. Mounting Bracket
2. Tripod
3. Radome

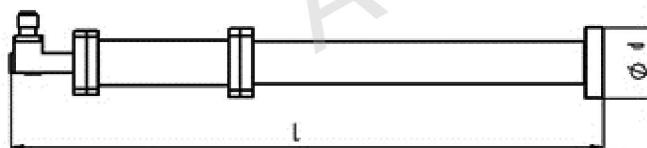
For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Corrugated Feed Horn Antennas and download.

1. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface

A Type, WG Output:



C Type, Coaxial Output:

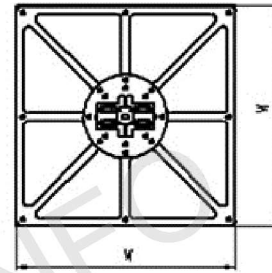
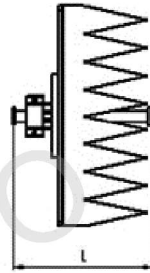


Model	Frequency (GHz)	EIA WR	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								φd	L	
LB-ACH-975-10-A	0.75-1.12	WR975	10	Linear	A	1.3	FDP9	-	-	Al
LB-ACH-975-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-770-10-A	0.96-1.45	WR770	10	Linear	A	1.3	FDP12	-	-	Al
LB-ACH-770-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-650-10-A	1.12-1.70	WR650	10	Linear	A	1.3	FDP14	-	-	Al
LB-ACH-650-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-510-10-A	1.45-2.20	WR510	10	Linear	A	1.3	FDP18	-	-	Al
LB-ACH-510-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-430-10-A	1.70-2.60	WR430	10	Linear	A	1.3	FDP22	-	-	Al
LB-ACH-430-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-340-10-A	2.20-3.30	WR340	10	Linear	A	1.3	FDP26	-	-	Al
LB-ACH-340-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-284-10-A	2.60-3.95	WR284	10	Linear	A	1.3	FDP32	-	-	Al
LB-ACH-284-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-229-10-A	3.30-4.90	WR229	10	Linear	A	1.3	FDP40	-	-	Al
LB-ACH-229-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-187-10-A	3.95-5.85	WR187	10	Linear	A	1.3	FDP48	-	-	Al
LB-ACH-187-10-C-XX					C	1.6	NF / SF	-	-	Al

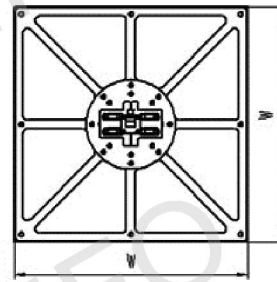
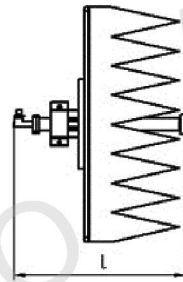
Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								φd	L	
LB-ACH-159-10-A	4.90-7.05	WR159	10	Linear	A	1.3	FDP58	-	-	Al
LB-ACH-159-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-137-10-A	5.85-8.20	WR137	10	Linear	A	1.3	FDP70	-	-	Al
LB-ACH-137-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-112-10-A	7.05-10.0	WR112	10	Linear	A	1.3	FBP84	-	-	Al
LB-ACH-112-10-C-XX					C	1.6	NF / SF	-	-	Al
LB-ACH-90-10-A	8.2-12.4	WR90	10	Linear	A	1.3	FBP100	-	-	Al
LB-ACH-90-10-C-XX					C	1.6	SF / NF	-	-	Al
LB-ACH-75-10-A	10.0-15.0	WR75	10	Linear	A	1.3	FBP120	-	-	Al
LB-ACH-75-10-C-XX					C	1.6	SF / NF	-	-	Al
LB-ACH-62-10-A	12.4-18.0	WR62	10	Linear	A	1.3	FBP140	-	-	Al
LB-ACH-62-10-C-XX					C	1.6	SF / NF	-	-	Al
LB-ACH-51-10-A	15.0-22.0	WR51	10	Linear	A	1.4	FBP180	-	-	Al
LB-ACH-51-10-C-XX					C	1.8	SF	-	-	Al
LB-ACH-42-10-A	18.0-26.5	WR42	10	Linear	A	1.4	FBP220	-	-	Al
LB-ACH-42-10-C-XX					C	1.8	SF/KF/3.5F	-	-	Al
LB-ACH-34-10-A	22.0-33.0	WR34	10	Linear	A	1.4	FBP260	22.9	170.1	Al
LB-ACH-34-10-C-XX					C	1.8	KF	22.9	195.1	Al
LB-ACH-28-10-A	26.5-40.0	WR28	10	Linear	A	1.4	FBP320	-	-	Cu
LB-ACH-28-10-C-XX					C	1.8	KF / 2.4F	-	-	Cu
LB-ACH-22-10-A	33.0-50.0	WR22	10	Linear	A	1.5	FUGP400	-	-	Cu
LB-ACH-22-10-C-XX					C	2	2.4F	-	-	Cu
LB-ACH-19-10-A	40.0-60.0	WR19	10	Linear	A	1.5	FUGP500	-	-	Cu
LB-ACH-19-10-C-XX					C	2	1.85F	-	-	Cu
LB-ACH-15-10-A	50.0-75.0	WR15	10	Linear	A	1.5	FUGP620	-	-	Cu
LB-ACH-15-10-C-XX	50.0-65.0				C	2	1.85F	-	-	Cu
LB-ACH-12-10-A	60.0-90.0	WR12	10	Linear	A	1.6	FUGP740	-	-	Cu
LB-ACH-10-10-A	75.0-110.0	WR10	10	Linear	A	1.6	FUGP900	-	-	Cu
LB-ACH-8-10-A	90.0-140.0	WR8	10	Linear	A	1.6	UG387/U-M	-	-	Cu
LB-ACH-6-10-A	110.0-170.0	WR6	10	Linear	A	1.6	UG387/U-M	-	-	Cu
LB-ACH-5-10-A	140.0-220.0	WR5	10	Linear	A	1.6	UG387/U-M	-	-	Cu

2. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Equipped with Absorber

A Type, WG Output:



C Type, Coaxial Output:

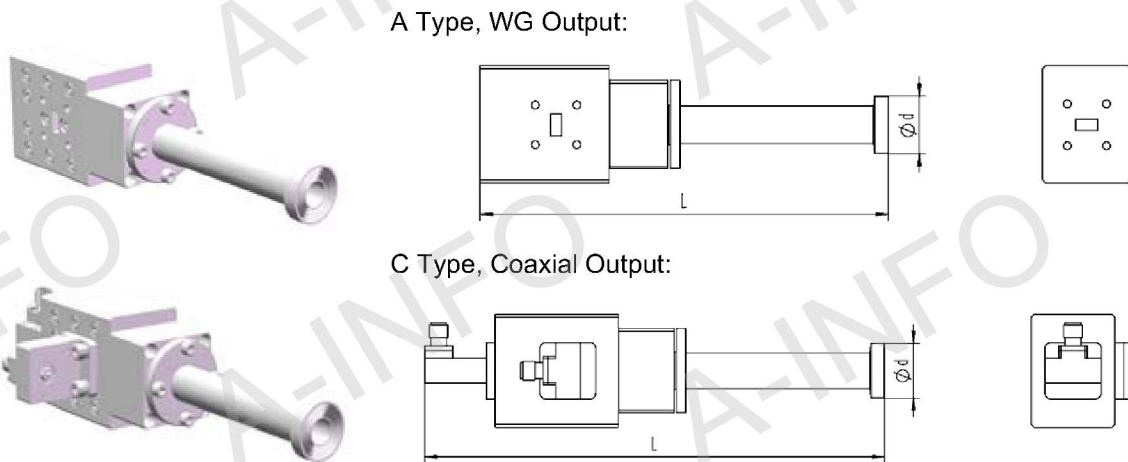


Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								W	L	
LB-ACH-975-10-A-A1	0.75-1.12	WR975	10	Linear	A	1.3	FDP9	-	-	Al
LB-ACH-975-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-770-10-A-A1	0.96-1.45	WR770	10	Linear	A	1.3	FDP12	-	-	Al
LB-ACH-770-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-650-10-A-A1	1.12-1.70	WR650	10	Linear	A	1.3	FDP14	-	-	Al
LB-ACH-650-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-510-10-A-A1	1.45-2.20	WR510	10	Linear	A	1.3	FDP18	-	-	Al
LB-ACH-510-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-430-10-A-A1	1.70-2.60	WR430	10	Linear	A	1.3	FDP22	-	-	Al
LB-ACH-430-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-340-10-A-A1	2.20-3.30	WR340	10	Linear	A	1.3	FDP26	-	-	Al
LB-ACH-340-10-C-XX-A1					C	1.6	NF / SF	-	-	Al
LB-ACH-284-10-A-A1	2.60-3.95	WR284	10	Linear	A	1.3	FDP32	375	-	Al
LB-ACH-284-10-C-XX-A1					C	1.6	NF / SF	375	-	Al
LB-ACH-229-10-A-A1	3.30-4.90	WR229	10	Linear	A	1.3	FDP40	375	-	Al
LB-ACH-229-10-C-XX-A1					C	1.6	NF / SF	375	-	Al

Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								W	L	
LB-ACH-187-10-A-A1	3.95-5.85	WR187	10	Linear	A	1.3	FDP48	375	-	Al
LB-ACH-187-10-C-XX-A1					C	1.6	NF / SF	375	-	Al
LB-ACH-159-10-A-A1	4.90-7.05	WR159	10	Linear	A	1.3	FDP58	375	-	Al
LB-ACH-159-10-C-XX-A1					C	1.6	NF / SF	375	-	Al
LB-ACH-137-10-A-A1	5.85-8.20	WR137	10	Linear	A	1.3	FDP70	300	-	Al
LB-ACH-137-10-C-XX-A1					C	1.6	NF / SF	300	-	Al
LB-ACH-112-10-A-A1	7.05-10.0	WR112	10	Linear	A	1.3	FBP84	300	-	Al
LB-ACH-112-10-C-XX-A1					C	1.6	NF / SF	300	-	Al
LB-ACH-90-10-A-A1	8.2-12.4	WR90	10	Linear	A	1.3	FBP100	266.4	-	Al
LB-ACH-90-10-C-XX-A1					C	1.6	SF / NF	266.4	-	Al
LB-ACH-75-10-A-A1	10.0-15.0	WR75	10	Linear	A	1.3	FBP120	266.4	-	Al
LB-ACH-75-10-C-XX-A1					C	1.6	SF / NF	266.4	-	Al
LB-ACH-62-10-A-A1	12.4-18.0	WR62	10	Linear	A	1.3	FBP140	266.4	-	Al
LB-ACH-62-10-C-XX-A1					C	1.6	SF / NF	266.4	-	Al
LB-ACH-51-10-A-A1	15.0-22.0	WR51	10	Linear	A	1.4	FBP180	266.4	-	Al
LB-ACH-51-10-C-XX-A1					C	1.8	SF	266.4	-	Al
LB-ACH-42-10-A-A1	18.0-26.5	WR42	10	Linear	A	1.4	FBP220	266.4	-	Al
LB-ACH-42-10-C-XX-A1					C	1.8	SF/KF/3.5F	266.4	-	Al
LB-ACH-34-10-A-A1	22.0-33.0	WR34	10	Linear	A	1.4	FBP260	266.4	170.1	Al
LB-ACH-34-10-C-XX-A1					C	1.8	KF	266.4	195.1	Al
LB-ACH-28-10-A-A1	26.5-40.0	WR28	10	Linear	A	1.4	FBP320	259	-	Cu
LB-ACH-28-10-C-XX-A1					C	1.8	KF / 2.4F	259	-	Cu
LB-ACH-22-10-A-A1	33.0-50.0	WR22	10	Linear	A	1.5	FUGP400	259	-	Cu
LB-ACH-22-10-C-XX-A1					C	2	2.4F	259	-	Cu
LB-ACH-19-10-A-A1	40.0-60.0	WR19	10	Linear	A	1.5	FUGP500	259	-	Cu
LB-ACH-19-10-C-XX-A1					C	2	1.85F	259	-	Cu
LB-ACH-15-10-A-A1	50.0-75.0	WR15	10	Linear	A	1.5	FUGP620	259	-	Cu
LB-ACH-15-10-C-XX-A1	50.0-65.0				C	2	1.85F	259	-	Cu
LB-ACH-12-10-A-A1	60.0-90.0	WR12	10	Linear	A	1.6	FUGP740	259	-	Cu
LB-ACH-10-10-A-A1	75.0-110.0	WR10	10	Linear	A	1.6	FUGP900	259	-	Cu

Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								W	L	
LB-ACH-8-10-A-A1	90.0-140.0	WR8	10	Linear	A	1.6	UG387/U-M	-	-	Cu
LB-ACH-6-10-A-A1	110.0-170.0	WR6	10	Linear	A	1.6	UG387/U-M	-	-	Cu
LB-ACH-5-10-A-A1	140.0-220.0	WR5	10	Linear	A	1.6	UG387/U-M	-	-	Cu

3. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Dual Linear Polarization

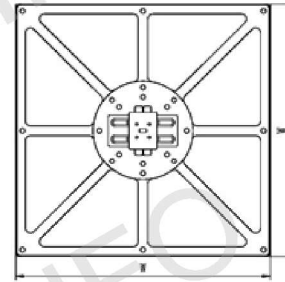
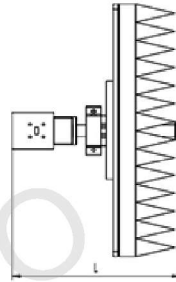


Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								Ød	L	
LB-ACH-137-10-T02-A	5.85-8.20	WR137	10	Dual Linear	A	1.6	FDP70	-	-	Al
LB-ACH-137-10-T02-C-XX					C	2.0	NF / SF	-	-	Al
LB-ACH-112-10-T02-A	7.05-10.0	WR112	10	Dual Linear	A	1.6	FBP84	-	-	Al
LB-ACH-112-10-T02-C-XX					C	2.0	NF / SF	-	-	Al
LB-ACH-90-10-T02-A	8.2-12.4	WR90	10	Dual Linear	A	1.6	FBP100	-	-	Al
LB-ACH-90-10-T02-C-XX					C	2.0	SF / NF	-	-	Al
LB-ACH-75-10-T02-A	10.0-10.0	WR75	10	Dual Linear	A	1.6	FBP120	-	-	Al
LB-ACH-75-10-T02-C-XX					C	2.0	SF / NF	-	-	Al
LB-ACH-62-10-T02-A	12.4-18.0	WR62	10	Dual Linear	A	1.6	FBP140	-	-	Al
LB-ACH-62-10-T02-C-XX					C	2.0	SF / NF	-	-	Al
LB-ACH-51-10-T02-A	15.0-22.0	WR51	10	Dual Linear	A	1.8	FBP180	-	-	Al
LB-ACH-51-10-T02-C-XX					C	2.2	SF	-	-	Al
LB-ACH-42-10-T02-A	18.0-26.5	WR42	10	Dual Linear	A	1.8	FBP220	-	-	Al
LB-ACH-42-10-T02-C-XX					C	2.2	SF/KF/3.5F	-	-	Al
LB-ACH-34-10-T02-A	22.0-33.0	WR34	10	Dual Linear	A	1.8	FBP260	-	-	Al
LB-ACH-34-10-T02-C-XX					C	2.2	KF	-	-	Al
LB-ACH-28-10-T02-A	26.5-40.0	WR28	10	Dual Linear	A	1.8	FBP320	-	-	Cu
LB-ACH-28-10-T02-C-XX					C	2.2	KF / 2.4F	-	-	Cu
LB-ACH-22-10-T02-A	33.0-50.0	WR22	10	Dual Linear	A	2.0	FUGP400	-	-	Cu
LB-ACH-22-10-T02-C-XX					C	2.5	2.4F	-	-	Cu

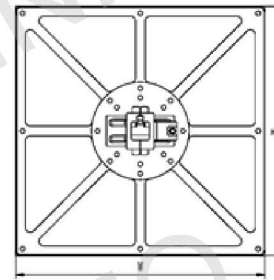
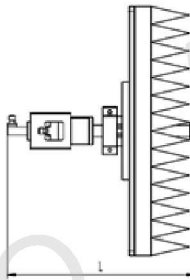
Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		Material
								φd	L	
LB-ACH-19-10-T02-A	40.0-60.0	WR19	10	Dual Linear	A	2.0	FUGP500	-	-	Cu
LB-ACH-19-10-T02-C-XX					C	2.5	1.85F	-	-	Cu
LB-ACH-15-10-T02-A	50.0-75.0	WR15	10	Dual Linear	A	2.0	FUGP620	-	-	Cu
LB-ACH-15-10-T02-C-XX	50.0-65.0				C	2.5	1.85F	-	-	Cu
LB-ACH-12-10-T02-A	60.0-90.0	WR12	10	Dual Linear	A	2.0	FUGP740	-	-	Cu
LB-ACH-10-T02-10-A	75.0-110.0	WR10	10	Dual Linear	A	2.0	FUGP900	-	-	Cu
LB-ACH-8-10-T02-A	90.0-140.0	WR8	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu
LB-ACH-6-10-T02-A	110.0-170.0	WR6	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu
LB-ACH-5-10-T02-A	140.0-220.0	WR5	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu

4. Corrugated Feed Horn Antennas with Waveguide and Coaxial Interface, Dual Linear Polarization, Equipped with Absorber

A Type, WG Output:



C Type, Coaxial Output:



Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		*Mat.
								W	L	
LB-ACH-137-10-T02-T02-A-A1	5.85-8.20	WR137	10	Dual Linear	A	1.6	FDP70	300	-	Al
LB-ACH-137-10-T02-T02-C-XX-A1					C	2.0	NF / SF	300	-	Al
LB-ACH-112-10-T02-A-A1	7.05-10.0	WR112	10	Dual Linear	A	1.6	FBP84	300	-	Al
LB-ACH-112-10-T02-C-XX-A1					C	2.0	NF / SF	300	-	Al
LB-ACH-90-10-T02-A-A1	8.2-12.4	WR90	10	Dual Linear	A	1.6	FBP100	266.4	-	Al
LB-ACH-90-10-T02-C-XX-A1					C	2.0	SF / NF	266.4	-	Al
LB-ACH-75-10-T02-A-A1	10.0-15.0	WR75	10	Dual Linear	A	1.6	FBP120	266.4	-	Al
LB-ACH-75-10-T02-C-XX-A1					C	2.0	SF / NF	266.4	-	Al
LB-ACH-62-10-T02-A-A1	12.4-18.0	WR62	10	Dual Linear	A	1.6	FBP140	266.4	-	Al
LB-ACH-62-10-T02-C-XX-A1					C	2.0	SF / NF	266.4	-	Al
LB-ACH-51-10-T02-A-A1	15.0-22.0	WR51	10	Dual Linear	A	1.8	FBP180	266.4	-	Al
LB-ACH-51-10-T02-C-XX-A1					C	2.2	SF	266.4	-	Al
LB-ACH-42-10-T02-A-A1	18.0-26.5	WR42	10	Dual Linear	A	1.8	FBP220	266.4	-	Al
LB-ACH-42-10-T02-C-XX-A1					C	2.2	SF/KF/3.5F	266.4	-	Al
LB-ACH-34-10-T02-A-A1	22.0-33.0	WR34	10	Dual Linear	A	1.8	FBP260	266.4	-	Al
LB-ACH-34-10-T02-C-XX-A1					C	2.2	KF	266.4	-	Al

Model	Frequency (GHz)	EIA WC	Gain (dB)	Pol.	Figure	VSWR Typ.	Output	Size (mm)		*Mat.
								W	L	
LB-ACH-28-10-T02-A-A1	26.5-40.0	WR28	10	Dual Linear	A	1.8	FBP320	259	-	Cu
LB-ACH-28-10-T02-C-XX-A1					C	2.2	KF / 2.4F	259	-	Cu
LB-ACH-22-10-T02-A-A1	33.0-50.0	WR22	10	Dual Linear	A	2.0	FUGP400	259	-	Cu
LB-ACH-22-10-T02-C-XX-A1					C	2.5	2.4F	259	-	Cu
LB-ACH-19-10-T02-A	40.0-60.0	WR19	10	Dual Linear	A	2.0	FUGP500	259	-	Cu
LB-ACH-19-10-T02-C-XX					C	2.5	1.85F	259	-	Cu
LB-ACH-15-10-T02-A-A1	50.0-75.0	WR15	10	Dual Linear	A	2.0	FUGP620	259	-	Cu
LB-ACH-15-10-T02-C-XX-A1	50.0-65.0				C	2.5	1.85F	259	-	Cu
LB-ACH-12-10-T02-A-A1	60.0-90.0	WR12	10	Dual Linear	A	2.0	FUGP740	259	-	Cu
LB-ACH-10-T02-10-A-A1	75.0-110.0	WR10	10	Dual Linear	A	2.0	FUGP900	259	-	Cu
LB-ACH-8-10-T02-A-A1	90.0-140.0	WR8	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu
LB-ACH-6-10-T02-A-A1	110.0-170.0	WR6	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu
LB-ACH-5-10-T02-A-A1	140.0-220.0	WR5	10	Dual Linear	A	2.0	UG387/U-M	-	-	Cu

Corrugated Feed Horn Antenna 22.0~33.0GHz

P/N: LB-ACH-34-10



LB-ACH-34-10-C-KF



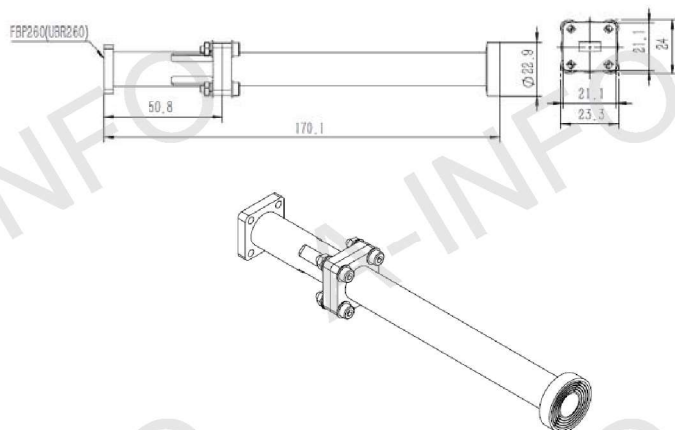
LB-ACH-34-10-C-KF-A1

Technical Specification

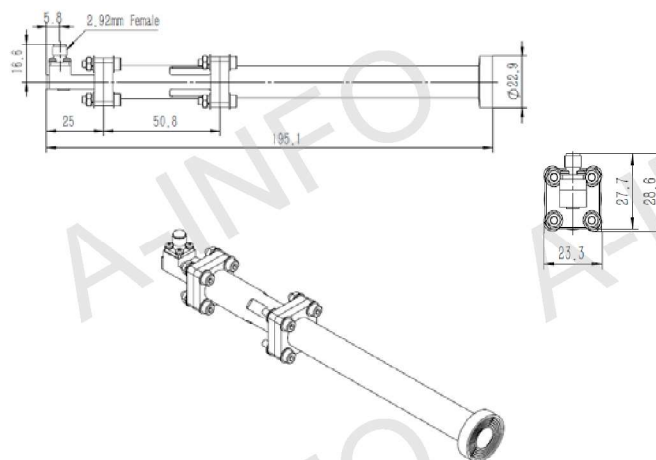
Frequency Range(GHz)	22.0 – 33.0
Waveguide	WR34
Gain (dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 55 Typ. H Plane: 57 Typ.
10dB Beamwidth(deg)	E Plane: 100 Typ. H Plane: 105 Typ.
Cross Pol. Isolation(dB)	-45 Typ.
VSWR	A Type: 1.4:1 Typ. C Type: 1.8:1 Typ.
Output	A Type: FBP260(UBR260) C Type: 2.92mm(K)-Female
Material	Al
Size(mm)	A Type: 23.3 x 24.0 x 170.1 C Type: 23.3 x 28.6 x 195.1 A-A1: 266.4 x 266.4 x 170.1 C-KF-A1: 266.4 x 266.4 x 195.1
Net Weight(Kg)	A Type: 0.10 Around C Type: 0.13 Around A Type: 1.21 Around C Type: 1.24 Around

Outline Drawing(Size: mm)

A Type (With FBP260 Output)



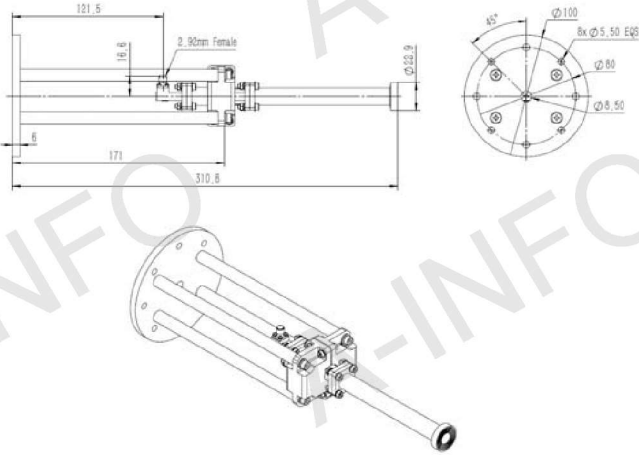
C Type w/ K-Female Output



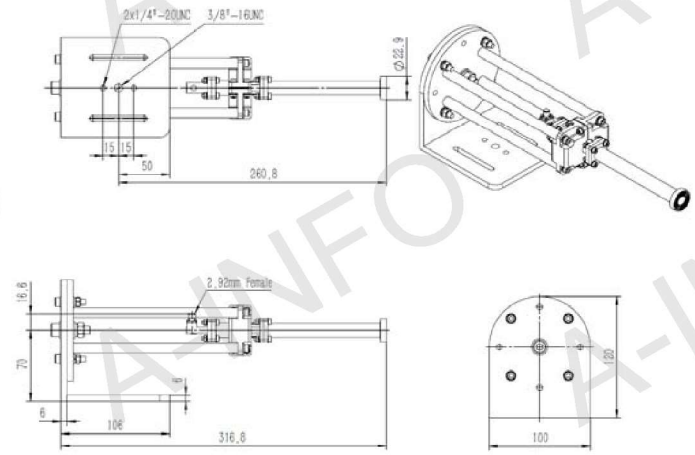
Corrugated Feed Horn Antenna 22.0~33.0GHz(continued)

P/N: LB-ACH-34-10

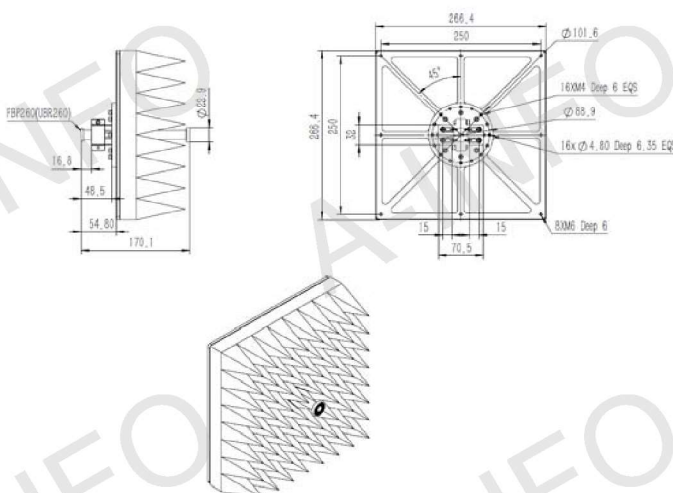
C Type w/ K-Female Output & Round Mounting Bracket



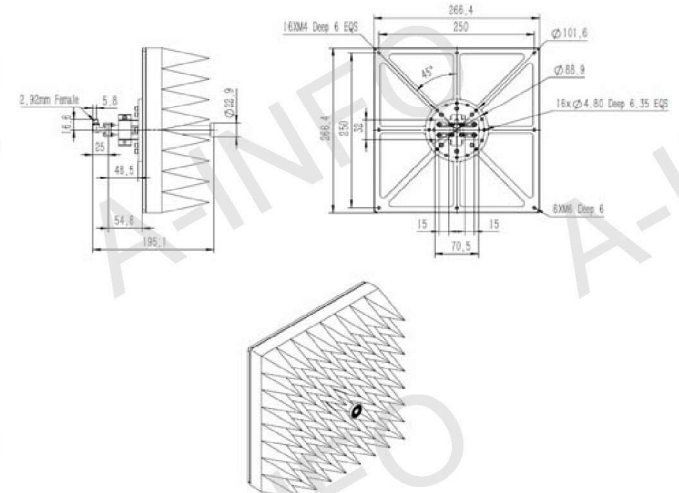
C Type w/ K-Female Output & L Type Mounting Bracket



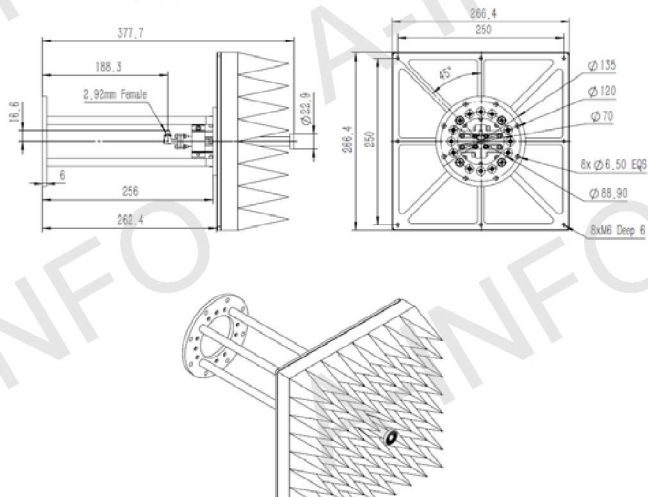
A-A1 Type w/ FBP260 Output, Equipped w/ Absorber



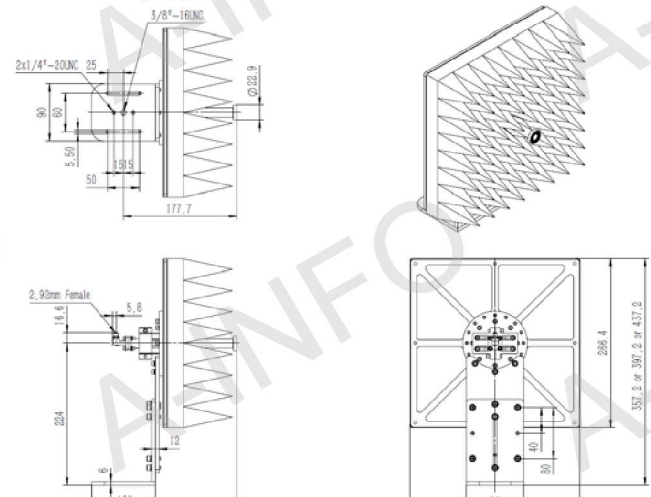
C-KF-A1 Type w/ K-Female Output, Equipped w/ Absorber



C-KF-A1 Type w/ K-Female Output & Round Mounting Bracket, Equipped w/ Absorber



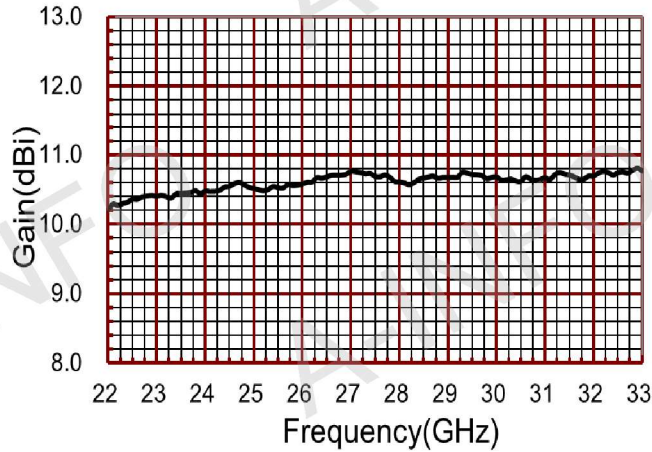
C-KF-A1 Type w/ K-Female Output & L Type Mounting Bracket, Equipped w/ Absorber



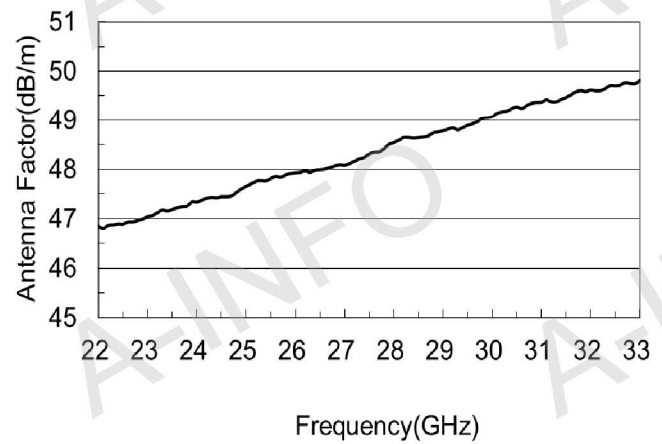
Corrugated Feed Horn Antenna 22.0~33.0GHz(continued)

P/N: LB-ACH-34-10

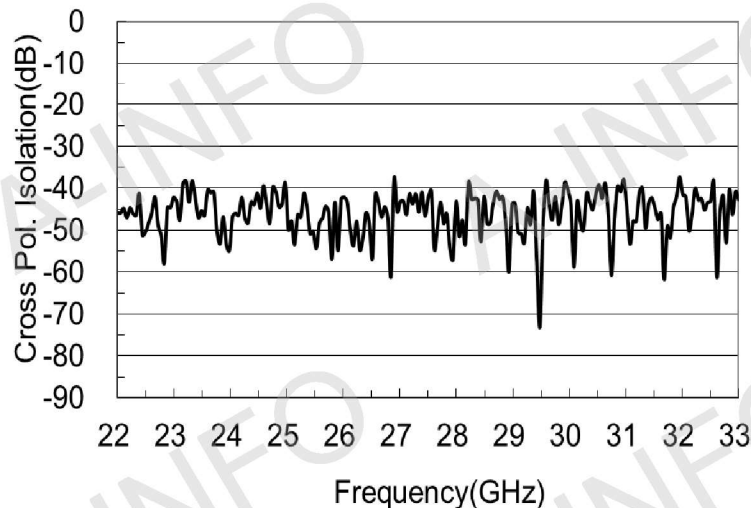
Gain



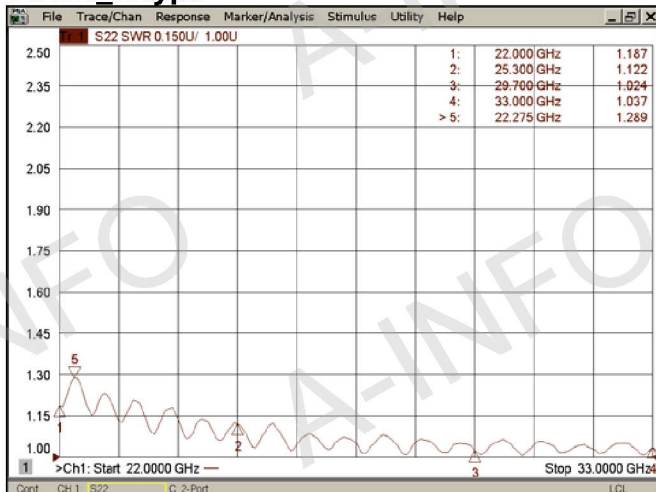
Antenna Factor



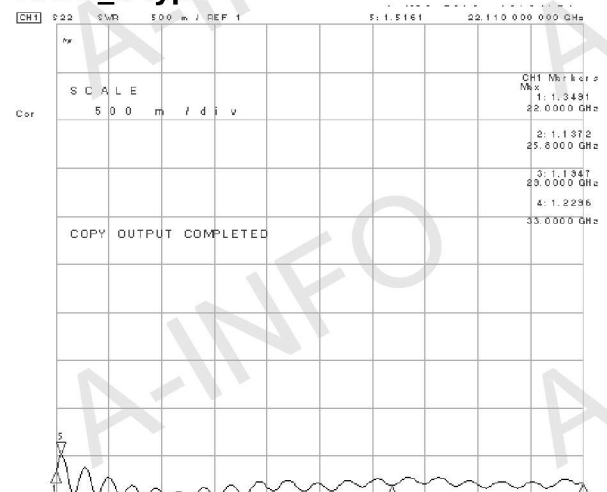
Cross Polarization Isolation



VSWR_A type



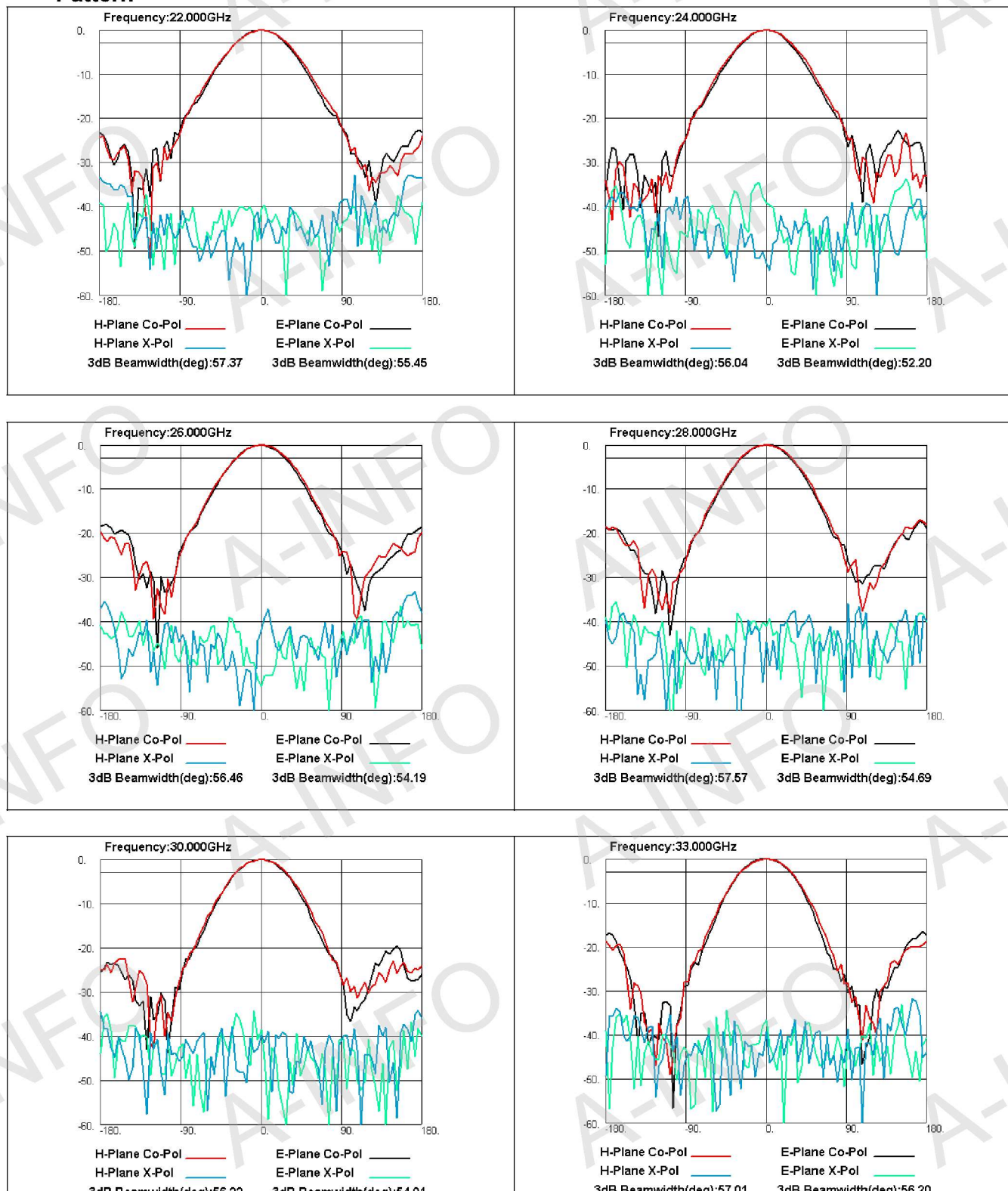
VSWR_C type



Corrugated Feed Horn Antenna 22.0~33.0GHz(continued)

P/N: LB-ACH-34-10

Pattern



Lens Horn Antenna



● Applications Include:

MVDS(Multipoint Video Distribution Systems)	Point to Point Radio Links
LMDS(Local Multipoint Distribution Services)	Vehicle Anti-collision Radars
Traffic Control Systems	Traffic Tolling Systems
Secure Communications Systems	Short Range Radar
Electro-Magnetic Compatibility(EMC) Measurements	Radiation Monitoring Systems
Compact/Mobile Systems	Dual Polarized Systems

● Features

Models up to 112GHz	Linear, dual and circular polarization
Optional Protective membrane	Rectangular or circular feed
Ideally suited for small and large quantities	Choice of mounting configurations
Customization available	Choice of waveguide to coaxial adapter http://www.ainfoinc.com/en/p_wr_wca.asp

Model Information				
Example Part Number: LB-CL -112 -10 -C -SF				
Product Code				
Waveguide Size: WR112 - WR10				
Frequency & Gain Code				
Figure Type:				
-A: Waveguide Output				
-C: Coaxial Output. Connector type below needs to be specified				
Figure C Connector Type Option:				
7/16F=7/16 DIN Female;				
NF=N Type-Female; NM=N Type-Male;				
SF=SMA-Female; SM=SMA-Male;				
3.5F=3.5mm-Female; 3.5M=3.5mm-Male;				
KF=2.92mm-Female; KM=2.92mm-Male;				
2.4F=2.4mm-Female; 2.4M=2.4mm-Male;				
1.85F=1.85mm-Female; 1.85M=1.85mm-Male				

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Lens Horn Antenna and download.

Model	Frequency (GHz)	WR	Pol.	Gain (dB)	VSWR Max	Figure	Nominal 3dB Beamwidth (°)		Diameter (mm)	Output
							E-Plane	H-Plane		
LB-CL-112-10-A	7.9-8.5	WR112	Linear	20.5	1.5	A	14.9	17.4	150	FBP84
LB-CL-112-10-C-XX				20.5	2.0	C	14.9	17.4	150	NF/SF
LB-CL-112-20-A	7.9-8.5	WR112	Linear	25.0	1.5	A	9.0	10.5	250	FBP84
LB-CL-112-20-C-XX				25.0	2.0	C	9.0	10.5	250	NF/SF
LB-CL-90-10-A	8.0-8.5	WR90	Linear	20.5	1.5	A	15.0	17.4	150	FBP100
LB-CL-90-10-C-XX				20.5	2.0	C	15.0	17.4	150	SF/NF
LB-CL-90-20-A	8.0-10.5	WR90	Linear	21.5	1.5	A	13.3	15.5	150	FBP100
LB-CL-90-20-C-XX				21.5	2.0	C	13.3	15.5	150	SF/NF
LB-CL-90-30-A	10.0-10.5	WR90	Linear	22.5	1.5	A	12.0	14.0	150	FBP100
LB-CL-90-30-C-XX				22.5	2.0	C	12.0	14.0	150	SF/NF
LB-CL-75-10-A	12.4-12.8	WR75	Linear	24.5	1.5	A	9.7	11.3	150	FBP120
LB-CL-75-10-C-XX				24.5	2.0	C	9.7	11.3	150	SF/NF
LB-CL-62-10-A	15.2-16.0	WR62	Linear	26.0	1.5	A	7.9	9.2	150	FBP140
LB-CL-62-10-C-XX				26.0	2.0	C	7.9	9.2	150	SF/NF
LB-CL-62-20-A	16.4-17.6	WR62	Linear	27.0	1.5	A	7.2	8.4	150	FBP140
LB-CL-62-20-C-XX				27.0	2.0	C	7.2	8.4	150	SF/NF
LB-CL-42-10-A	17.7-19.7	WR42	Linear	24.5	1.5	A	9.1	10.7	100	FBP220
LB-CL-42-10-C-XX				24.5	2.0	C	9.1	10.7	100	SF/KF/3.5F

Model	Frequency (GHz)	WR	Pol.	Gain (dB)	VSWR Max	Figure	Nominal 3dB Beamwidth (°)		Diameter (mm)	Output
							E-Plane	H-Plane		
LB-CL-42-20-A	17.7-19.7	WR42	Linear	29.0	1.5	A	5.2	6.1	175	FBP220
LB-CL-42-20-C-XX				29.0	2.0	C	5.2	6.1	175	SF/KF/3.5F
LB-CL-42-30-A	17.7-19.7	WR42	Linear	32.4	1.5	A	3.7	4.3	250	FBP220
LB-CL-42-30-C-XX				32.4	2.0	C	3.7	4.3	250	SF/KF/3.5F
LB-CL-42-40-A	21.2-23.6	WR42	Linear	26.0	1.5	A	7.8	9.1	100	FBP220
LB-CL-42-40-C-XX				26.0	2.0	C	7.8	9.1	100	SF/KF/3.5F
LB-CL-42-50-A	21.2-23.6	WR42	Linear	27.5	1.5	A	6.2	7.2	125	FBP220
LB-CL-42-50-C-XX				27.5	2.0	C	6.2	7.2	125	SF/KF/3.5F
LB-CL-42-60-A	21.2-23.6	WR42	Linear	29.3	1.5	A	5.3	6.1	150	FBP220
LB-CL-42-60-C-XX				29.3	2.0	C	5.3	6.1	150	SF/KF/3.5F
LB-CL-42-70-A	21.2-23.6	WR42	Linear	33.5	1.5	A	3.1	3.6	250	FBP220
LB-CL-42-70-C-X				33.5	2.0	C	3.1	3.6	250	SF/KF/3.5F
LB-CL-42-80-A	21.2-26.5	WR42	Linear	34.5	1.5	A	3.0	3.5	294	FBP220
LB-CL-42-80-C-XX				34.5	2.0	C	3.0	3.5	294	SF/KF/3.5F
LB-CL-28-10-A	27.5-29.5	WR28	Linear	31.5	1.5	A	4.1	4.7	150	FBP320
LB-CL-28-10-C-XX				31.5	2.0	C	4.1	4.7	150	KF/2.4F
LB-CL-28-20-A	27.5-29.5	WR28	Linear	36.0	1.5	A	2.4	2.8	250	FBP320
LB-CL-28-20-C-XX				36.0	2.0	C	2.4	2.8	250	KF/2.4F
LB-CL-28-30-A	31.0-31.8	WR28	Linear	32.0	1.5	A	3.9	4.6	150	FBP320
LB-CL-28-30-C-XX				32.0	2.0	C	3.9	4.6	150	KF/2.4F
LB-CL-28-C20	35.0-35.2	WR28	LHCP	28.0	1.3	-	4.8	6.5	119	Customized
LB-CL-28-40-A	37.5-39.5	WR28	Linear	34.0	1.5	A	3.1	3.7	150	FBP320
LB-CL-28-40-C-XX				34.0	2.0	C	3.1	3.7	150	KF/2.4F
LB-CL-28-50-A	37.5-39.5	WR28	Linear	38.5	1.5	A	1.8	2.1	250	FBP320
LB-CL-28-50-C-XX				38.5	2.0	C	1.8	2.1	250	KF/2.4F
LB-CL-19-10-A	40.5-42.5	WR19	Linear	34.5	1.5	A	2.8	3.2	150	FUGP500
LB-CL-19-10-C-XX				34.5	2.0	C	2.8	3.2	150	1.85F
LB-CL-15-10-A	54.2-57.2	WR15	Linear	36.0	1.5	A	2.4	2.8	130	FUGP600
LB-CL-15-10-C-XX				36.0	2.0	C	2.4	2.8	130	1.85F
LB-CL-15-20-A	54.2-57.2	WR15	Linear	38.5	1.5	A	1.8	2.1	175	FUGP600
LB-CL-15-20-C-XX				38.5	2.0	C	1.8	2.1	175	1.85F
LB-CL-15-30-A	57.2-58.2	WR15	Linear	36.5	1.5	A	2.4	2.9	130	FUGP600
LB-CL-15-30-C-XX				36.5	2.0	C	2.4	2.9	130	1.85F
LB-CL-15-40-A	57.2-58.2	WR15	Linear	37.5	1.5	A	2.1	2.5	150	FUGP600
LB-CL-15-40-C-XX				37.5	2.0	C	2.1	2.5	150	1.85F
LB-CL-15-50-A	57.2-58.2	WR15	Linear	42.0	1.5	A	1.2	1.4	250	FUGP600
LB-CL-15-50-C-XX				42.0	2.0	C	1.2	1.4	250	1.85F
LB-CL-15-60-A	59.0-64.0	WR15	Linear	34.5	1.5	A	2.9	3.4	100	FUGP600
LB-CL-15-60-C-XX				34.5	2.0	C	2.9	3.4	100	1.85F
LB-CL-12-10-A	75.0-80.0	WR12	Linear	40.0	1.5	A	1.6	1.8	150	FUGP740
LB-CL-12-20-A	75.0-80.0	WR12	Linear	42.5	1.5	A	1.2	1.4	200	FUGP740
LB-CL-10-10-A	93.5-95.5	WR10	Linear	46.5	1.5	A	0.8	0.9	250	FUGP900

Lens Horn Antenna 21.2~26.5GHz

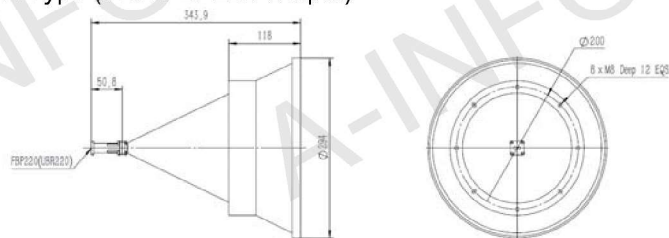
P/N: LB-CL-42-80



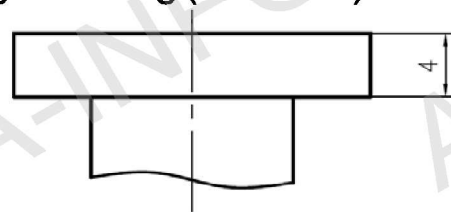
Frequency Range(GHz)	21.2 - 26.5
Waveguide	WR42
Gain(dBi)	34.5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E-Plane: 3.0 Typ. H-Plane: 3.5 Typ.
VSWR	A Type: 1.5:1 Max. C Type: 2.0:1 Max.
Output	A Type: FBP220(UBR220) SMA-Female or C Type: 2.92mm-Female or 3.5mm-Female
Material	Al
Size(mm)	A Type: $\Phi 294 \times 343.9$ C Type: $\Phi 294 \times 378.9$
Net Weight(Kg)	A Type: 6.71 Around C Type: 6.77 Around

Outline Drawing (Size:mm) For 2.92mm-Female output outline drawing, please contact A-INFO.

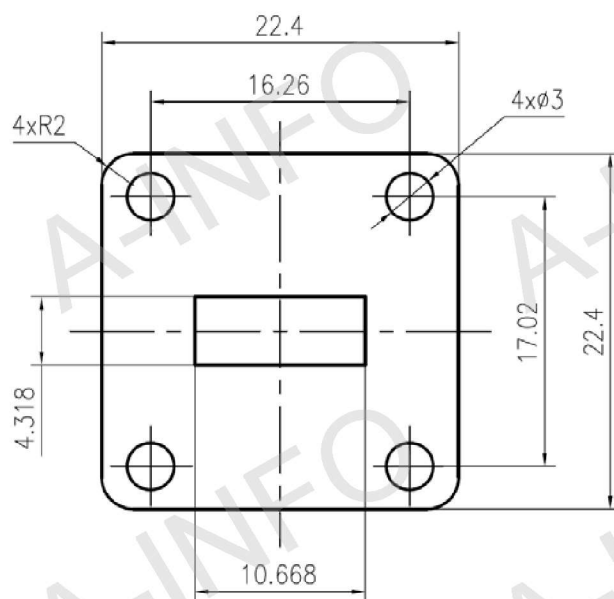
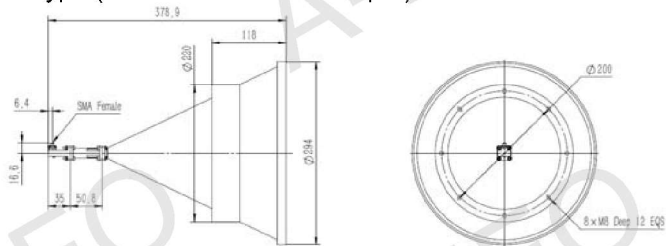
A Type (With FBP220 Output)



Flange Drawing (Size: mm)



C Type (With SMA-Female Output)

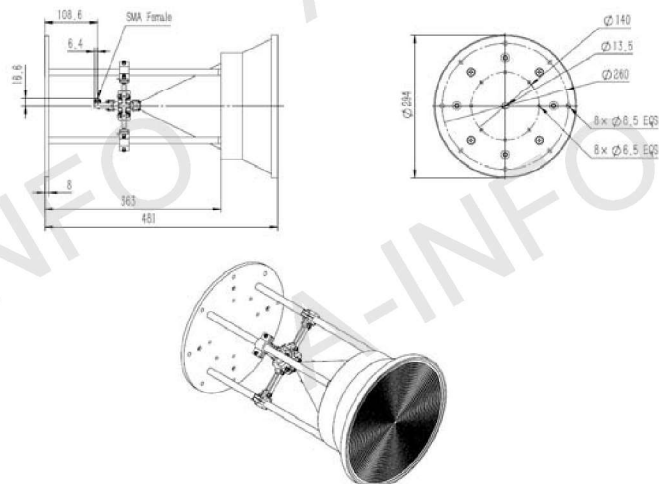


FRD220

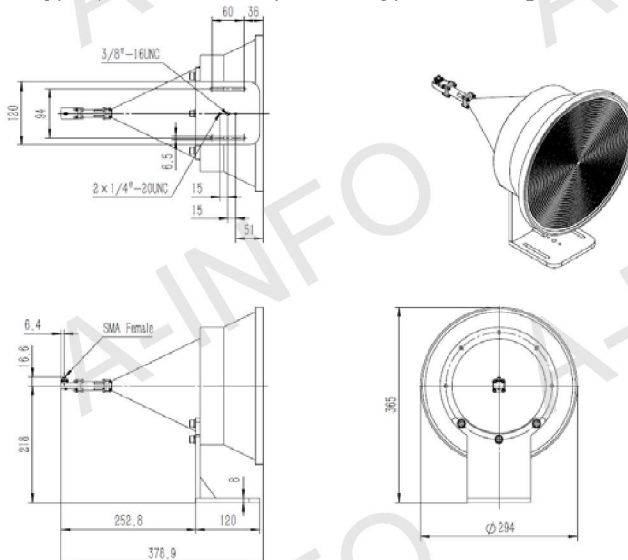
Lens Horn Antenna 21.2~26.5GHz(continued)

P/N: LB-CL-42-80

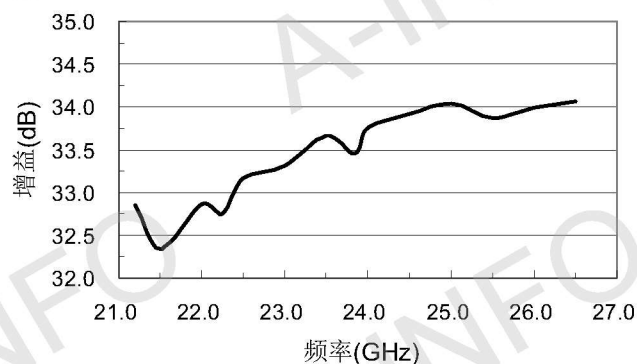
C Type (W/ SMA-F Output & Round Mounting Bracket)



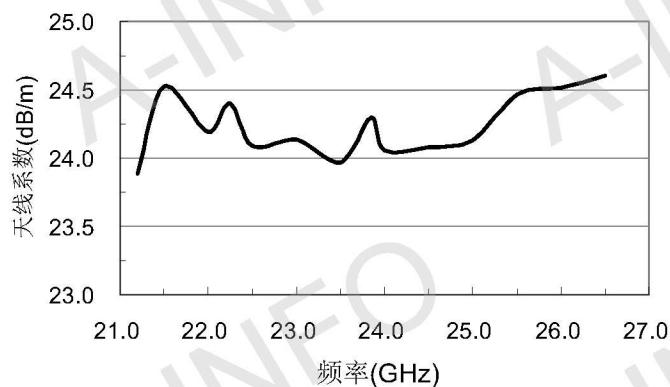
C Type (W/ SMA-F Output & L Type Mounting Bracket)



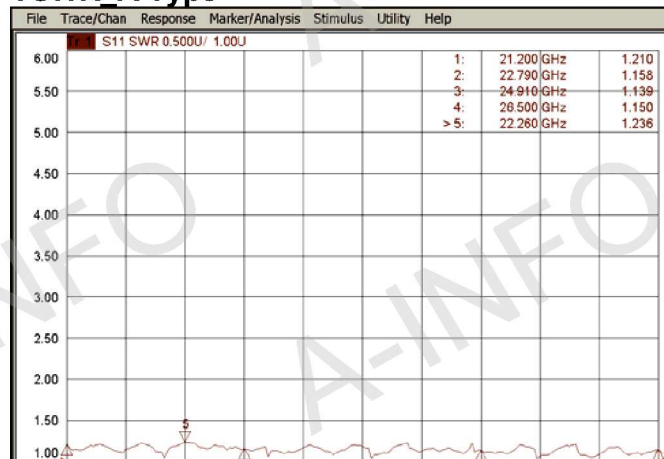
Gain



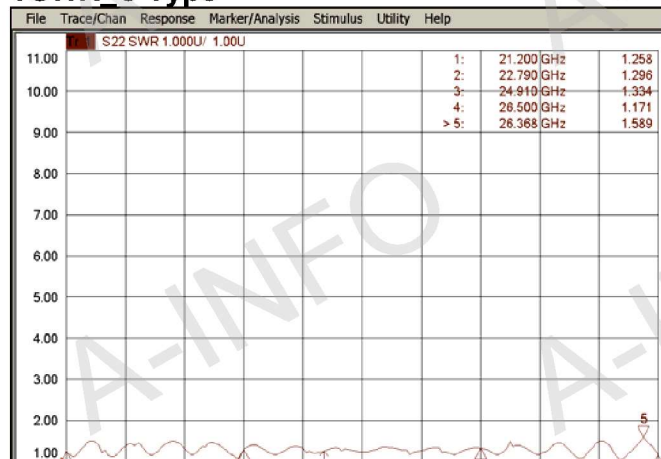
Antenna Factor



VSWR A Type



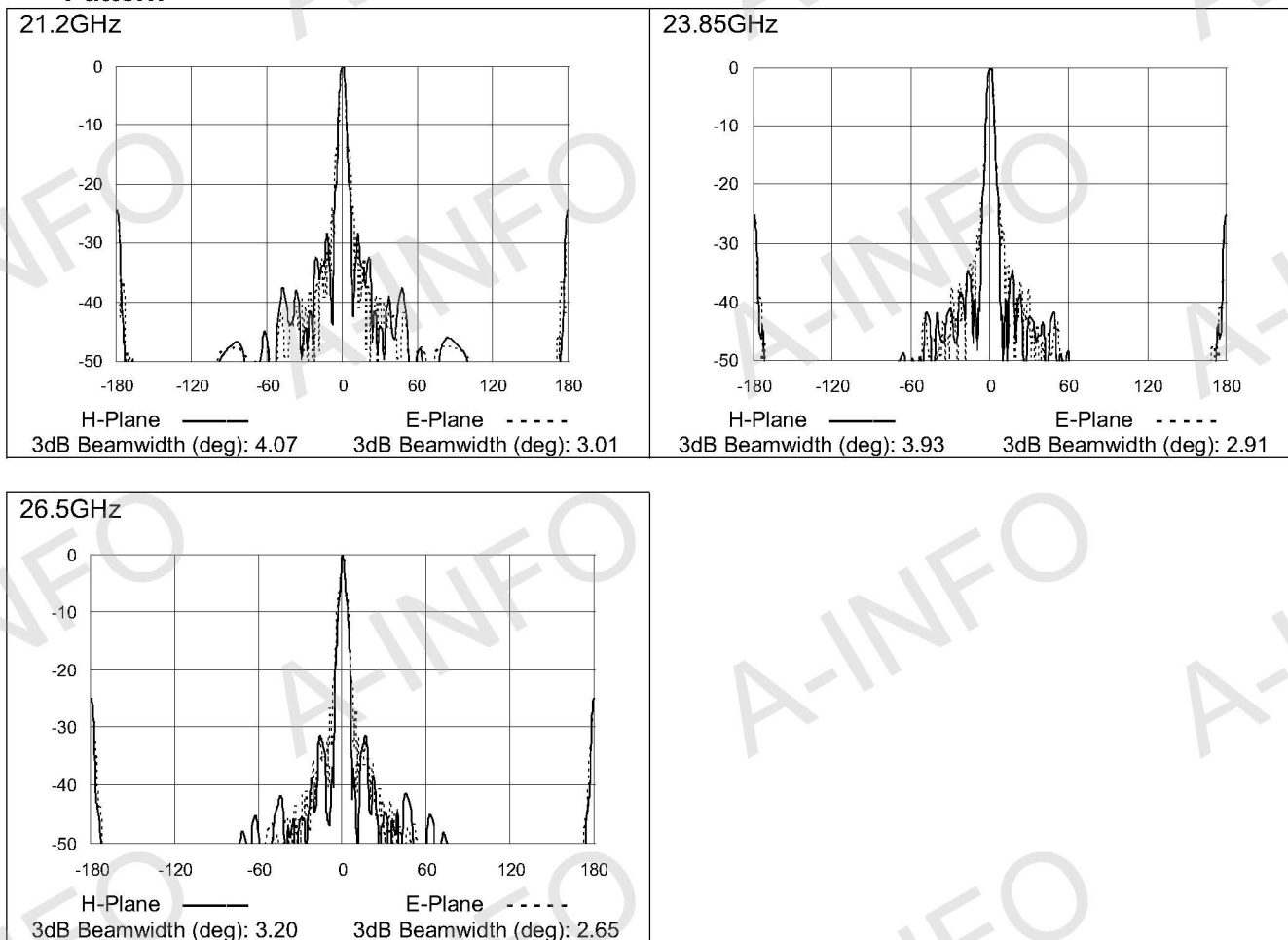
VSWR C Type



Lens Horn Antenna 21.2~26.5GHz(continued)

P/N: LB-CL-42-80

Pattern



Lens Horn Antenna 35.0~35.2GHz

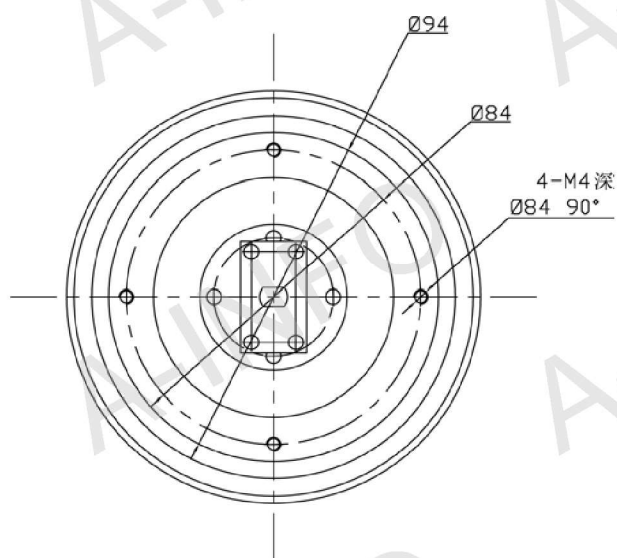
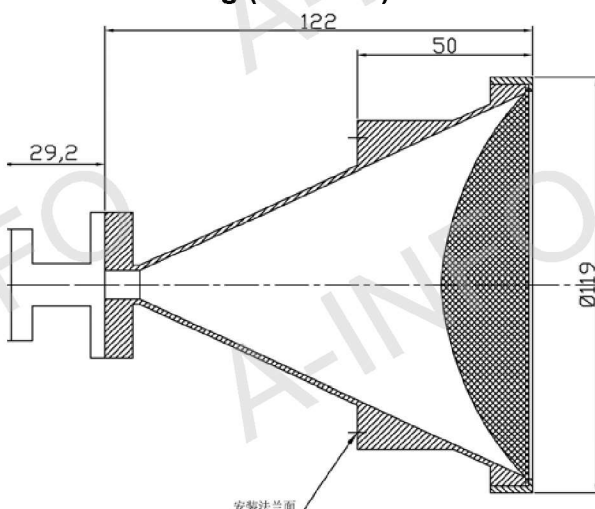
P/N: LB-CL-28-C20



Technical Specification

Polarization	LHCP
Frequency(GHz)	35.0-35.2
Gain (dB)	28 Typ.
VSWR	1.3 :1 Typ.
Flange	Customized
Size(mm)	Φ119x151.2
Net Weight	0.6Kg Approx.

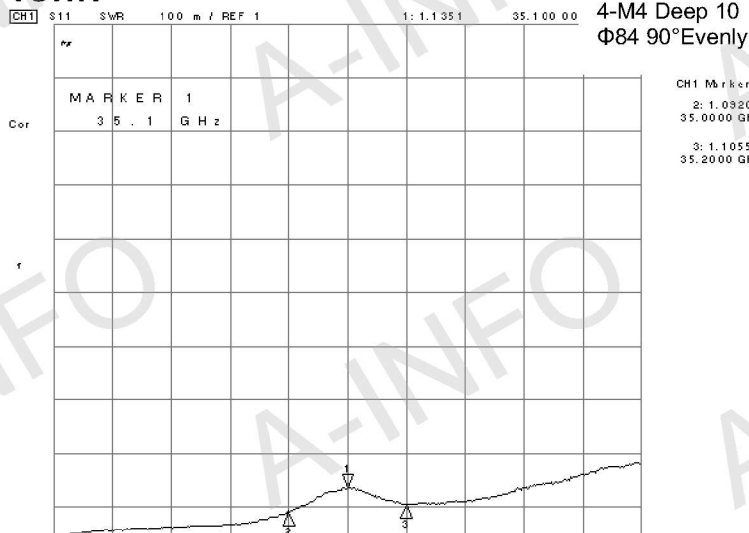
Outline Drawing (Size:mm)



Gain

Frequency(GHz)	Gain(dB)
35.0	29.01
35.1	28.55
35.2	29.40

VSWR



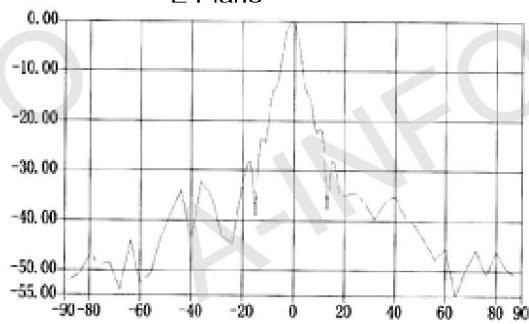
Lens Horn Antenna 35.0~35.2GHz(continued)

P/N: LB-CL-28-C20

Pattern

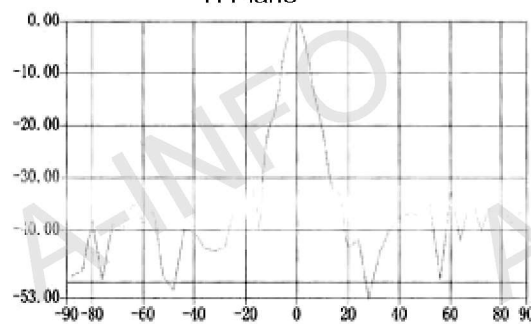
Frequency: 35.0GHz

E Plane



3dB Beamwidth: 4.73°

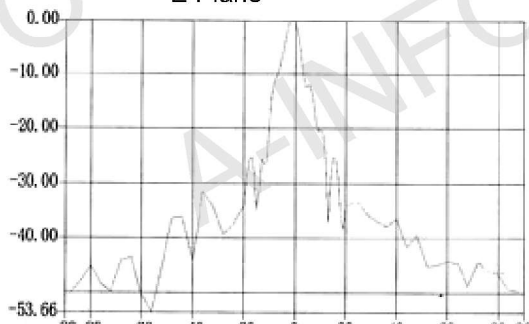
H Plane



3dB Beamwidth: 6.45°

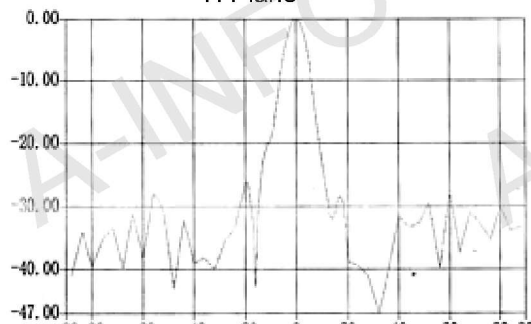
Frequency: 35.1GHz

E Plane



3dB Beamwidth: 4.83°

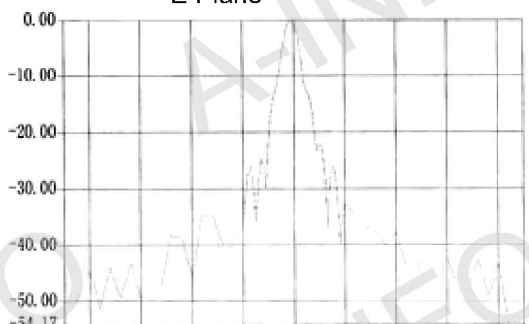
H Plane



3dB Beamwidth: 6.83°

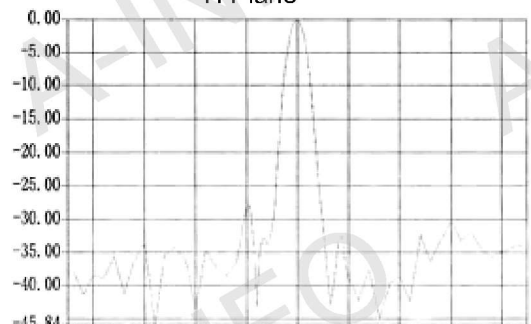
Frequency: 35.2GHz

E Plane



3dB Beamwidth: 4.90°

H Plane



3dB Beamwidth: 6.03°

Circular Polarization Horn Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Circular Pol. Horn Antenna and download.

Model	Freq. Range (GHz)	Pol.	Gain (dBic) Typ.	VSWR Typ.	Connector	Size (mm)
LB-CP-1020-NF_LHCP	1.0-2.0	LHCP	10	2.0	N-Female	-
LB-CP-1020-NF_RHCP	1.0-2.0	RHCP	10	2.0	N-Female	-
LB-CP-2040-NF_LHCP	2.0-4.0	LHCP	12	2.0 Max	N-Female	Φ170x687
LB-CP-2040-NF_RHCP	2.0-4.0	RHCP	12	2.0 Max	N-Female	Φ170x687
LB-CP-4080-NF_LHCP	4.0-8.0	LHCP	12	2.0 Max	N-Female	Φ69x373.7
LB-CP-4080-NF_RHCP	4.0-8.0	RHCP	12	2.0 Max	N-Female	Φ69x373.7
LB-CP-80180-SF_LHCP	8.0-18.0	LHCP	10	2.5	SMA-Female	-
LB-CP-80180-SF_RHCP	8.0-18.0	RHCP	10	2.5	SMA-Female	-
LB-CP-180400-KF_LHCP	18.0-40.0	LHCP	10	3.0	2.92mm(K)-Female	-
LB-CP-180400-KF_RHCP	18.0-40.0	RHCP	10	3.0	2.92mm(K)-Female	-

Circular Polarization Horn Antenna 2.0~4.0GHz

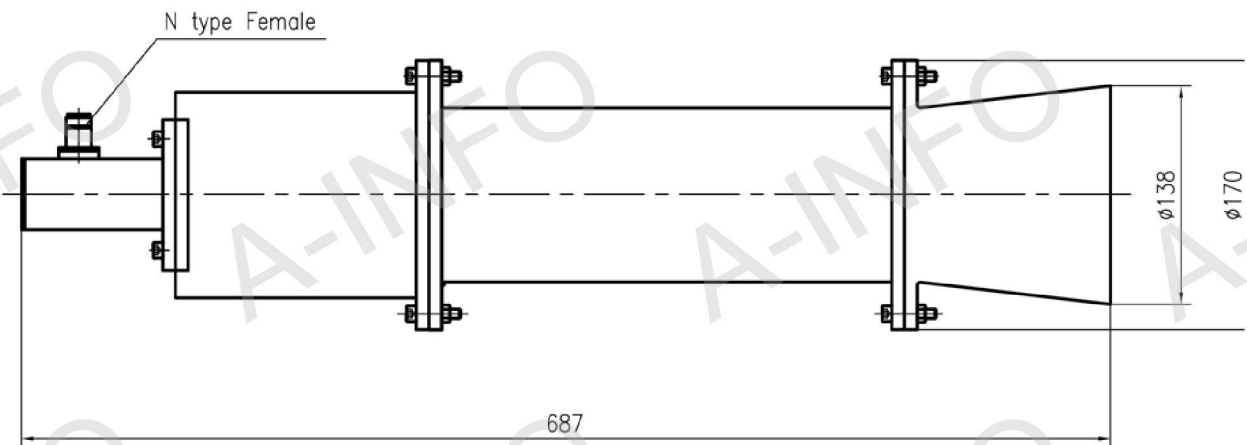
P/N: LB-CP-2040



Technical Specification

Frequency Range(GHz)	2.0 - 4.0
Gain(dBic)	12.0 Typ.
Polarization	LHCP or RHCP
Axial Ratio(dB)	2.0 Typ. 5.0 Max
VSWR	2.0:1 Max
Connector	N-F
Size(mm)	Φ170x687
Net Weight(Kg)	10.0 Around

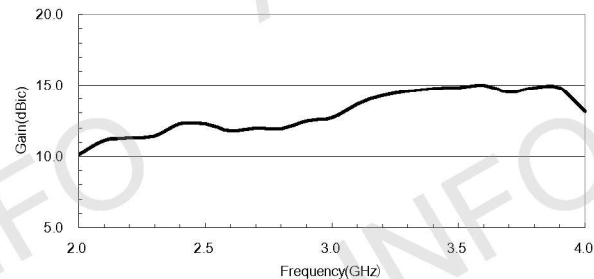
Outline Drawing (Size: mm)



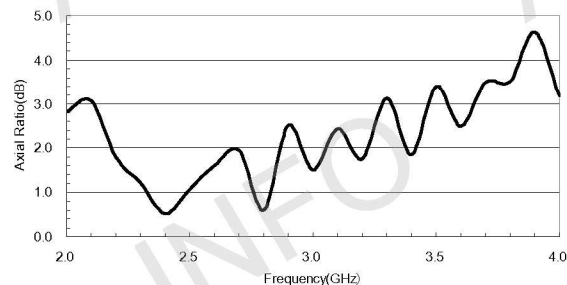
Circular Polarization Horn Antenna 2.0~4.0GHz(continued)

P/N: LB-CP-2040

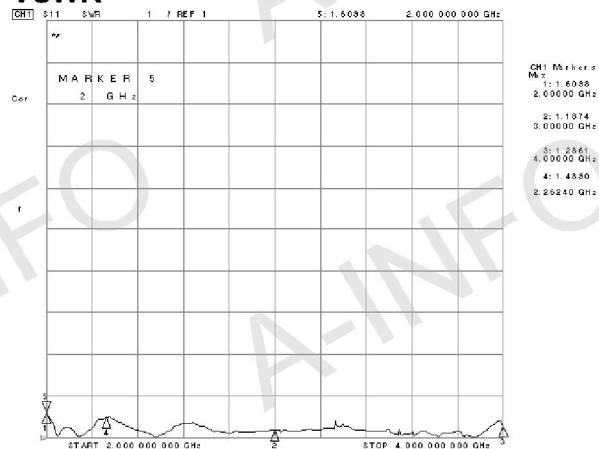
Gain



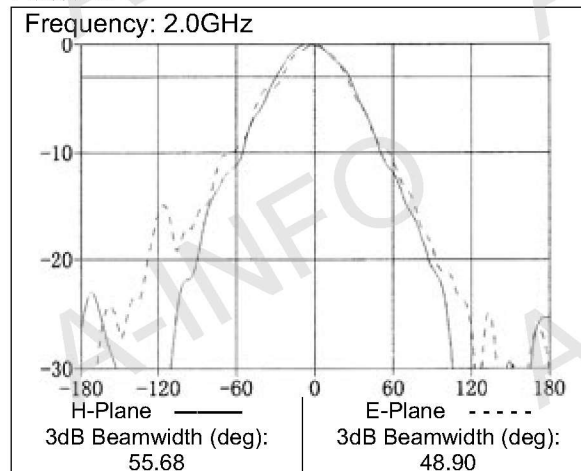
Axial Ratio



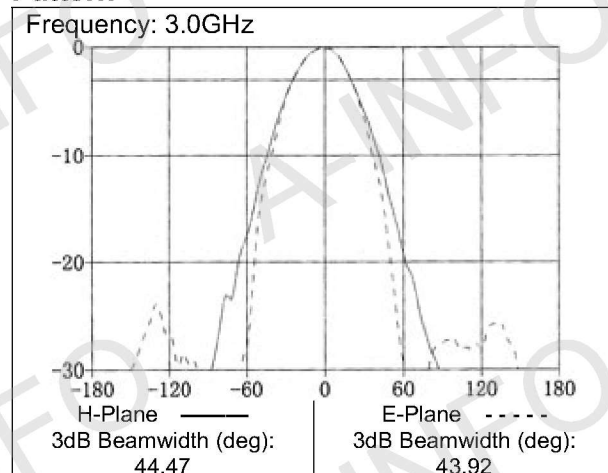
VSWR



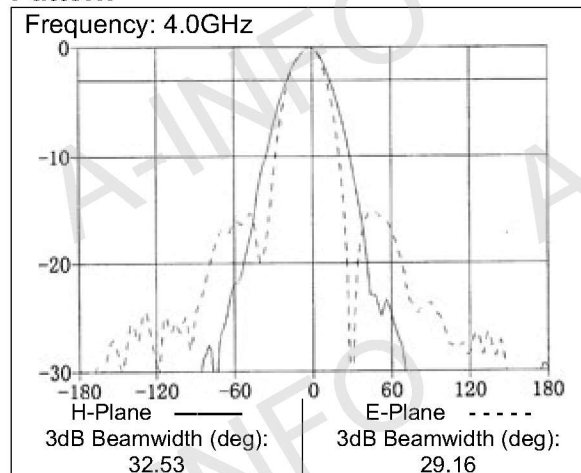
Pattern



Pattern



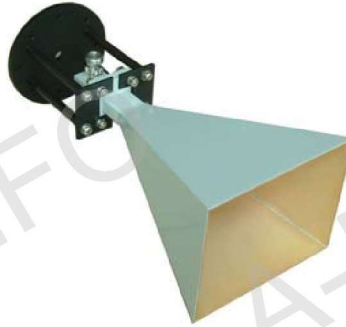
Pattern



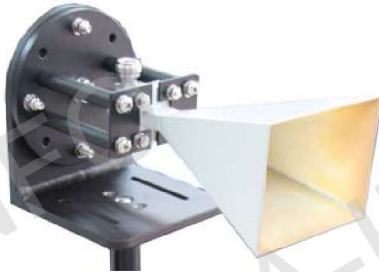
Horn Antenna Accessories

Mounting Bracket

1. Round type for C Type Standard Gain Horn Antenna



2. L type for C Type Standard Gain Horn Antenna



3. For Open Boundary Quad-Ridged Horn Antenna



Tripod (For some horn antenna and some other antennas, pls. ask!)

Aluminum Alloy Tripod
(P/N: Tripod_15Kg)



Wooden Tripod
(P/N: 3033HL)



Wooden Tripod
(P/N: 3033QM)



Radome

1. For some Standard Gain Horn Antennas, pls. ask!
(This is LB-187-15-C-NF with Radome.)



2. For some Broadband Horn Antenna, pls. ask!
(This is LB-20180 with Radome.)



Carrying Case (For all horns.Safe,Easy to carry and Convenient for storage.)



Customized Horn Antenna Accessories are available according to detailed requirement.

Cavity Backed Spiral Antenna



Our LX series cavity backed spirals are broadband antennas designed for ECM, surveillance, direction finding, telemetry, and flush mounted airborne applications. These spirals can be used as a separate component antenna or as broadband feeds for reflector dish antennas.

ALL LX series spiral antennas exhibit an excellent impedance match and radiation Pattern control over the broad operating bands in a compact and lightweight package. These spirals are ideally suited for amplitude matching and phase or gain tracking. The unit-to-unit uniformity and frequency independent performance is ideal for airborne monitoring receiving systems. ALL cavity backed spirals are available in **RHCP** or **LHCP**. These spirals have been designed to operate in a harsh environment and meet the extremes of the Surroundings Specification.

Also we provide specific frequency spirals antennas according to customers' requirement.

For detailed test data, pls. Log on www.ainfoinc.com – Antenna –Cavity Backed Spiral Antenna and download.

Model	Frequency (GHz)	Gain (dBic) Typ.	Axial Ratio (dB) Max.	VSWR Typ.	Connector	Size (mm)
LX-520	0.5-2	-6	3	1.5:1	SMA-Female	Φ238x93.2
LX-840	0.8-4	0	3	1.5:1	SMA-Female	Φ154x85.4
LX-880	0.8-8	0	3.5	1.5:1	SMA-Female	Φ154x85.4
LX-1080	1-8	2	3	1.5:1	SMA-Female	Φ120x89.4
LX-10180	1-18	4	4.5	2.0:1	SMA-Female	Φ120x89.4
LX-20180	2-18	0	3.5	2.0:1	SMA-Female	Φ61.5x50
LX-20180-FR	2-18	2	3	2.0:1	SMA-Female	Φ66.5x69.4
LX-20180SA	2-18	0	4	2.0:1	SMA-Female	Φ55x50
LX-4080	4-8	2	3	1.5:1	SMA-Female	Φ37.5 x49.4
LX-40180	4-18	3	3.5	2.0:1	SMA-Female	Φ37.5 x49.4
LX-60180	6-18	0	5	2.0:1	SMA-Female	Φ25 x49.4
LX-180265	18-26.5	0	3.5	2.0:1	2.92mm-Female	Φ37x34.4

Cavity Backed Spiral Antenna 0.5~2.0GHz

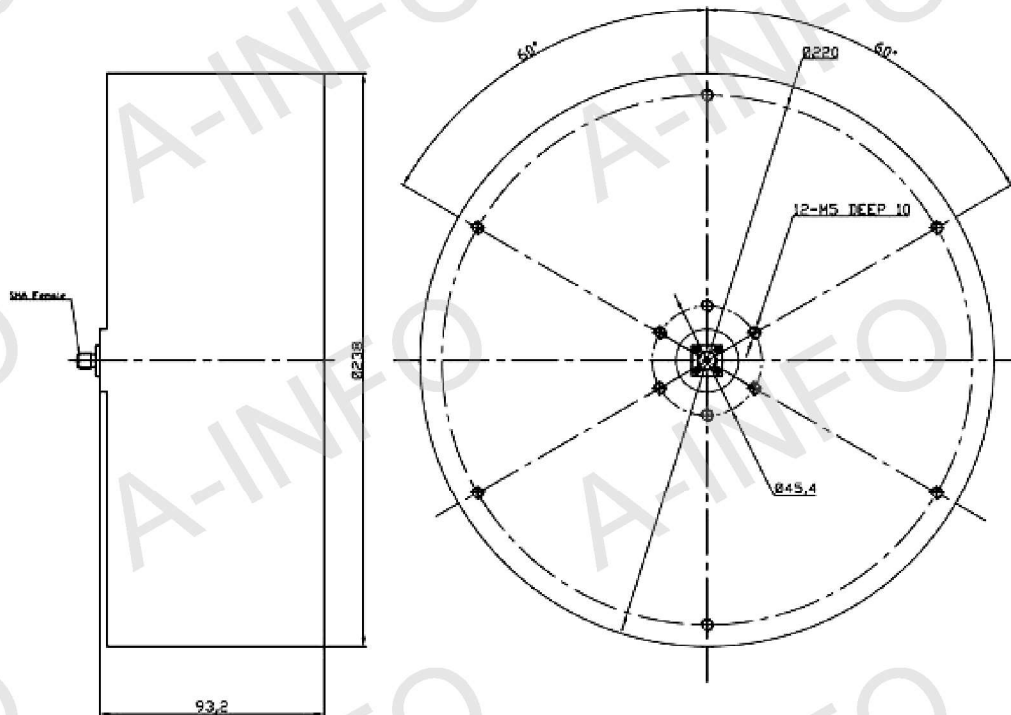
P/N: LX-520



Technical Specification

Polarization	RHCP or LHCP
Frequency(GHz)	0.5-2.0
Gain(dBic)	-16.10 @0.5GHz -8.58 @1.0GHz -6.29@1.5GHz -2.46@2.0GHz
3dB Beamwidth(deg)	E:125-90 H:90-70
Axial Ratio(dB)	3.0 Max
VSWR	1.5:1 Typ. 2.0:1 Max.
Connector	SMA -Female
Size(mm)	Φ238x93.2

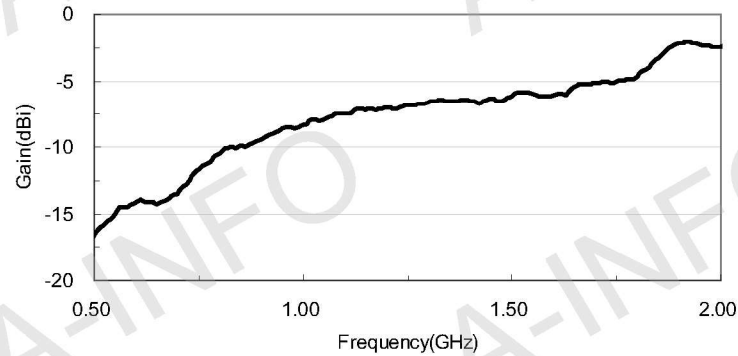
Outline Drawing and Mounting(Size: mm)



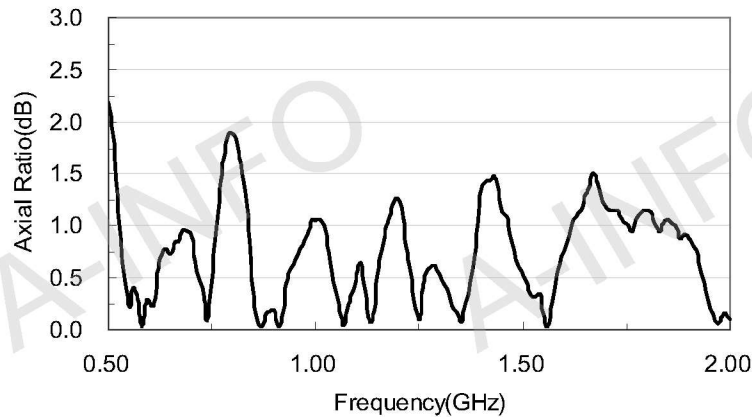
Cavity Backed Spiral Antenna 0.5~2.0GHz(continued)

P/N: LX-520

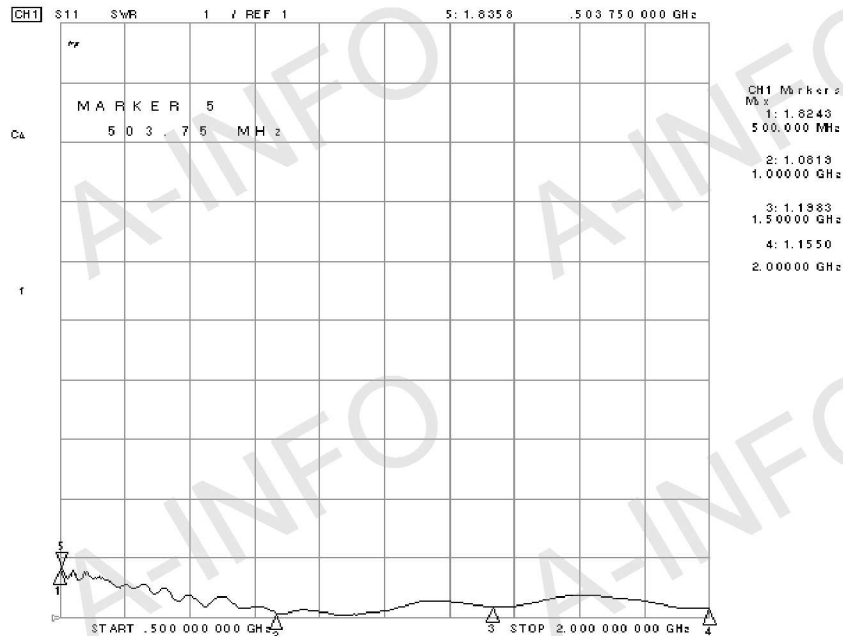
Gain



Axial Ratio



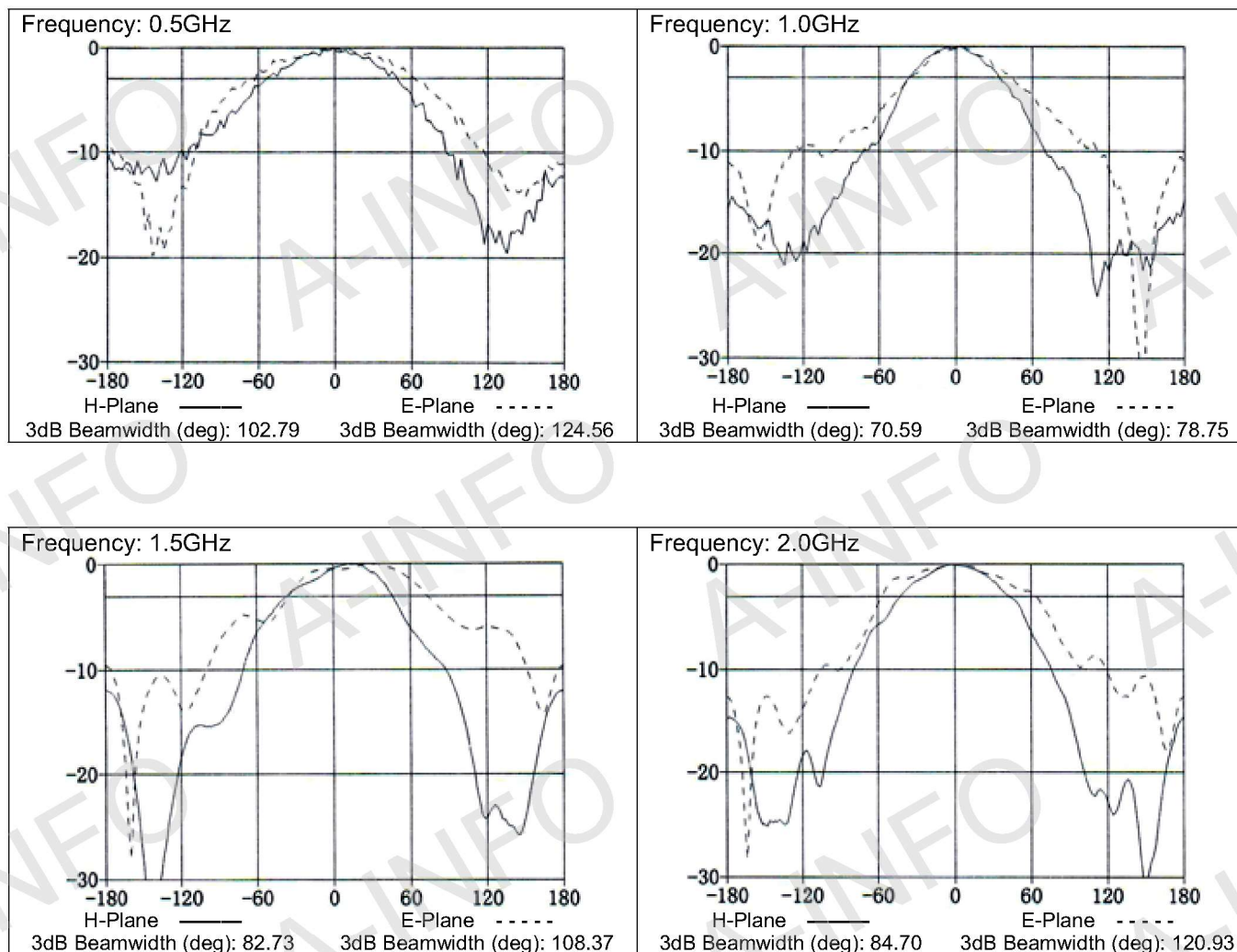
VSWR



Cavity Backed Spiral Antenna 0.5~2.0GHz(continued)

P/N: LX-520

Pattern



Cavity Backed Spiral Antenna 0.8~4.0GHz

P/N: LX-840

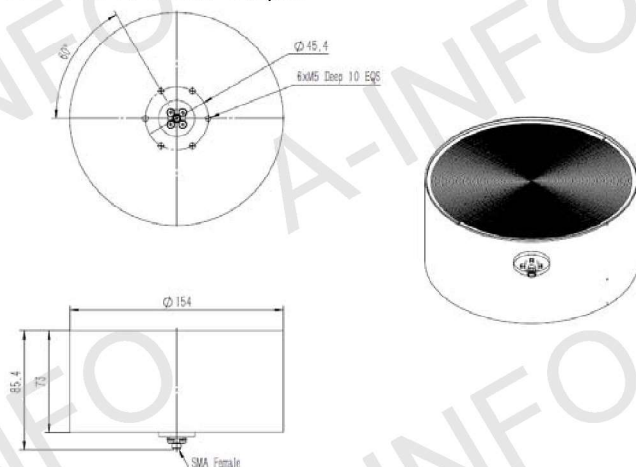


Technical Specification

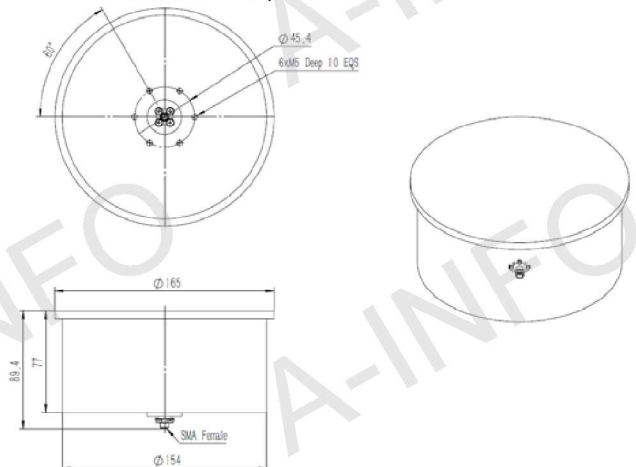
Frequency Range(GHz)	0.8-4
Gain(dBic)	-9.28 @0.8GHz -1.58 @2.0GHz 2.43 @4.0GHz
Polarization	RHCP or LHCP
Axial Ratio(dB)	3.0 Max.
3dB Beamwidth(deg)	E Plane: 115 - 65 H Plane: 105 - 65
VSWR	1.5:1 Typ. 2.0:1 Max.
Connector	SMA-Female
Size(mm)	Φ154.0 x 85.4
Net weight(Kg)	0.8 Around

Outline Drawing and Mounting(Size: mm)

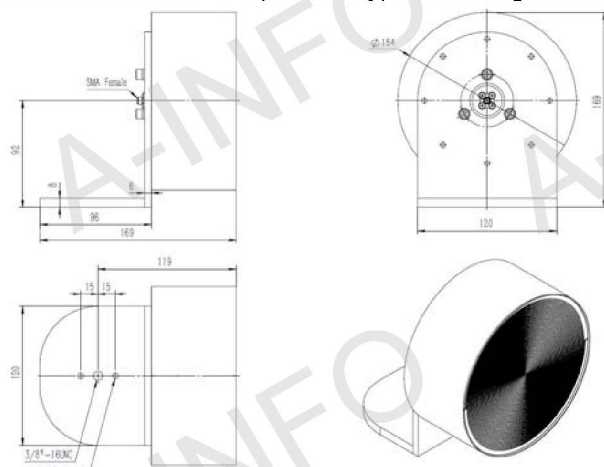
With SMA-Female Output



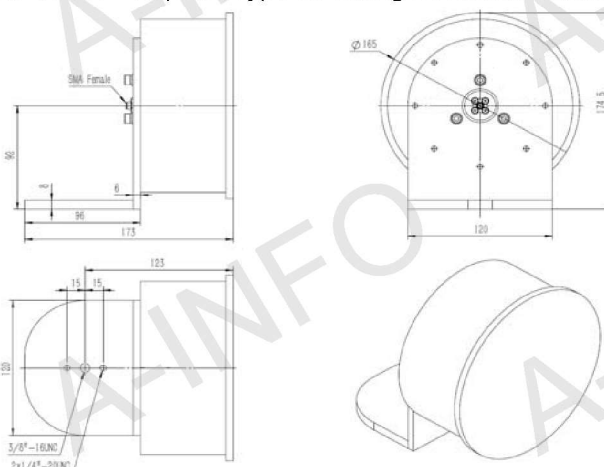
With SMA-Female Output & Radome



With SMA-Female Output & L Type Mounting Bracket



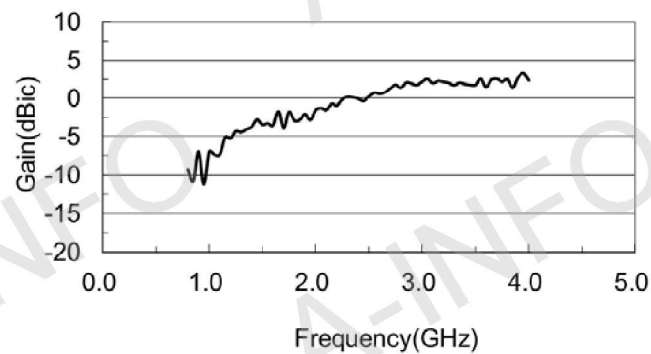
W/ SMA-F Output,L Type Mounting Bracket&Radome



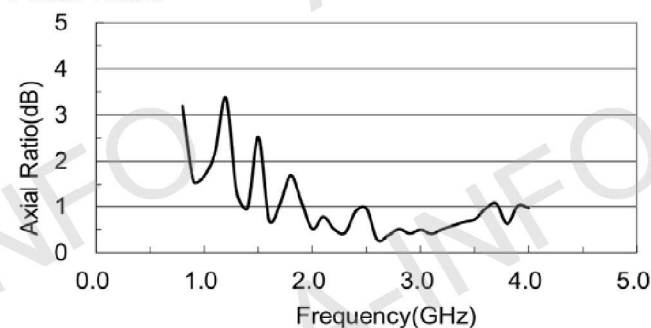
Cavity Backed Spiral Antenna 0.8~4.0GHz(continued)

P/N: LX-840

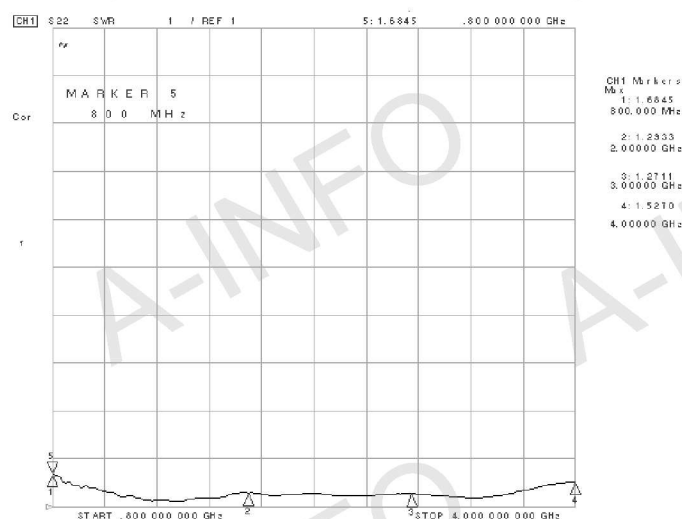
Gain



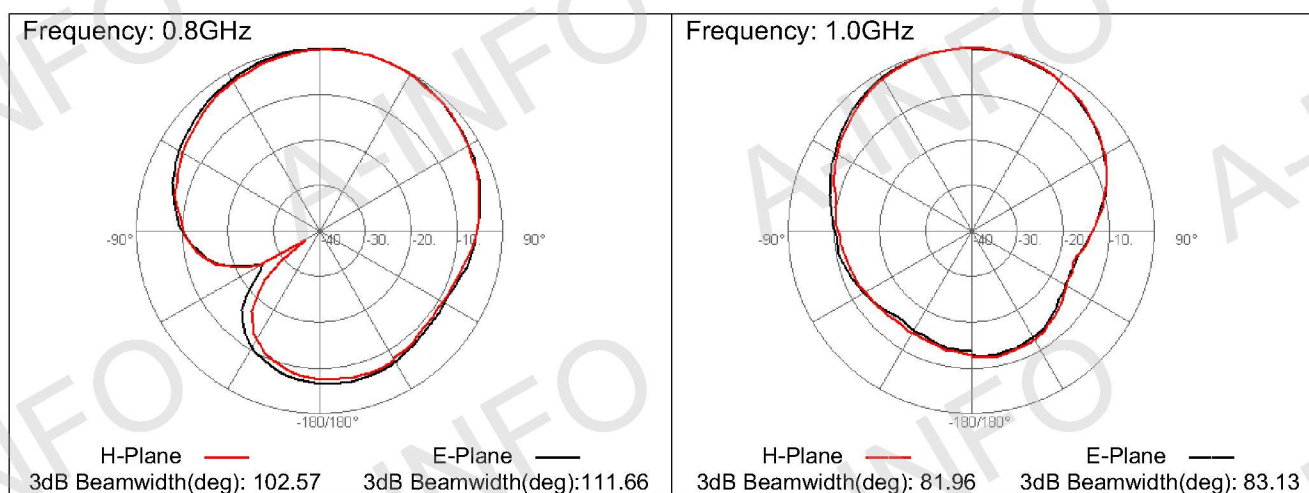
Axial Ratio



VSWR



Pattern

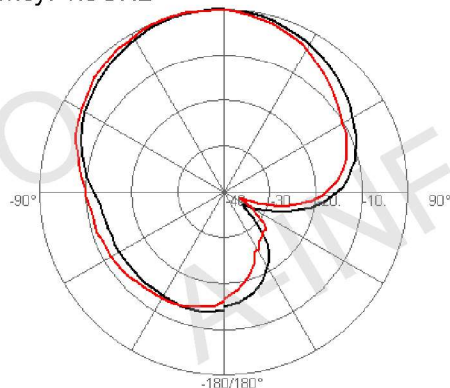


Cavity Backed Spiral Antenna 0.8~4.0GHz(continued)

P/N: LX-840

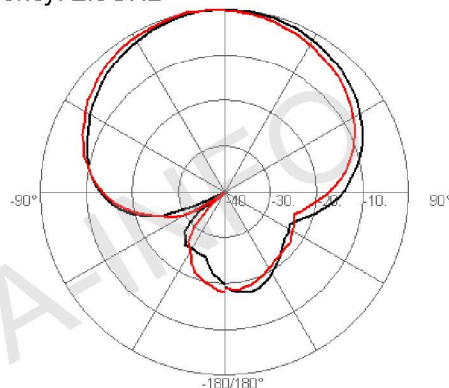
Pattern

Frequency: 1.5GHz



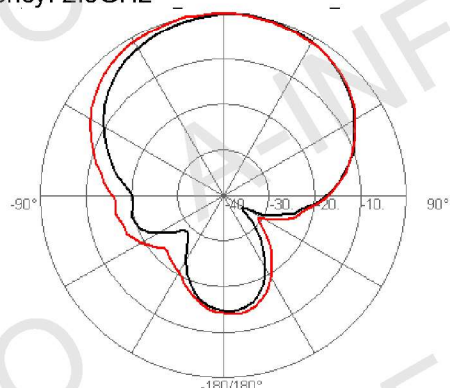
H-Plane — 3dB Beamwidth(deg): 75.37
E-Plane — 3dB Beamwidth(deg): 74.10

Frequency: 2.0GHz



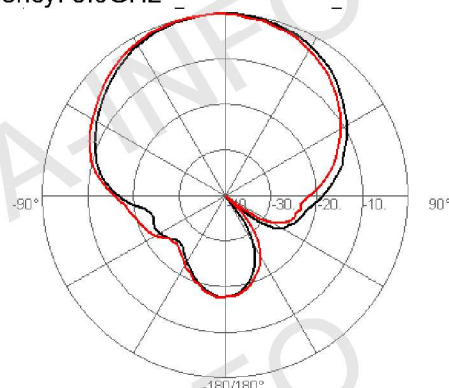
H-Plane — 3dB Beamwidth(deg): 78.71
E-Plane — 3dB Beamwidth(deg): 79.36

Frequency: 2.5GHz



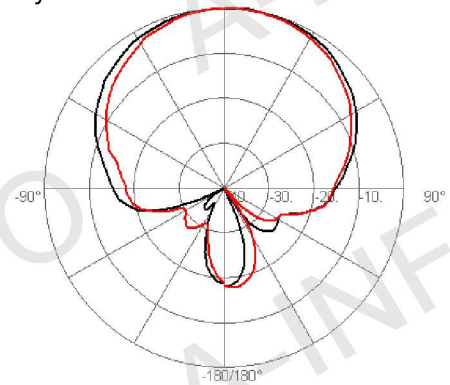
H-Plane — 3dB Beamwidth(deg): 88.56
E-Plane — 3dB Beamwidth(deg): 74.69

Frequency: 3.0GHz



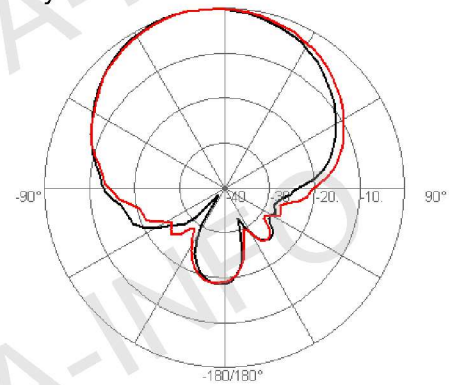
H-Plane — 3dB Beamwidth(deg): 69.99
E-Plane — 3dB Beamwidth(deg): 69.64

Frequency: 3.5GHz



H-Plane — 3dB Beamwidth(deg): 70.16
E-Plane — 3dB Beamwidth(deg): 84.07

Frequency: 4.0GHz



H-Plane — 3dB Beamwidth(deg): 73.17
E-Plane — 3dB Beamwidth(deg): 69.45

Cavity Backed Spiral Antenna 1.0~18.0GHz

P/N: LX-10180

Without Radome



With Radome



Technical Specification

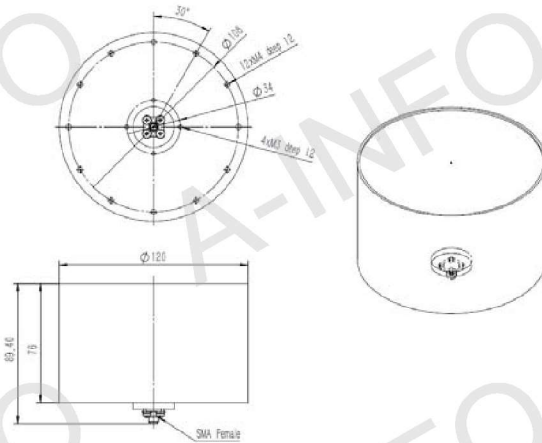
Polarization	RHCP or LHCP	
Frequency Range(GHz)	1 - 18	
Gain(dBic)	Without Radome	-6.46@1GHz
		4.76@8GHz
		1.42@18GHz
	With Radome	-6.50@1GHz
		4.81@8GHz
		2.30@18GHz
Axial Ratio(dB)	3 Max.	
3dB Beamwidth(deg)	Without Radome	E: 115 - 60
		H: 110 - 60
VSWR	2.0 : 1 Typ.	
	3.0 : 1 Max	
Connector	SMA- Female	
Material	Al	
Size(mm)	Φ120 x 89.4 (Without Radome)	
	Φ132 x 94.6 (With Radome)	
Net Weight(Kg)	0.85 Around(Without Radome)	
	0.87 Around(With Radome)	
Material For Radome	Rigid Foam	
Operating Environment For Radome	Outdoor Application; Water Proof & Dust Proof	

Cavity Backed Spiral Antenna 1.0~18.0GHz(continued)

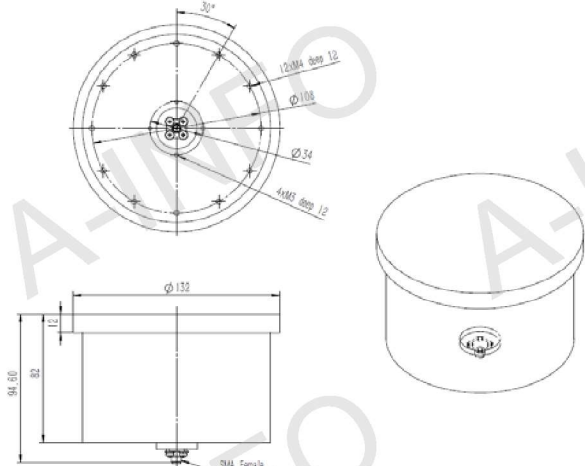
P/N: LX-10180

Outline Drawing and Mounting(Size: mm)

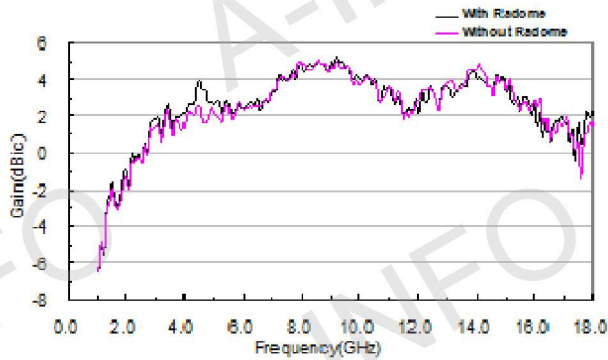
Without Radome



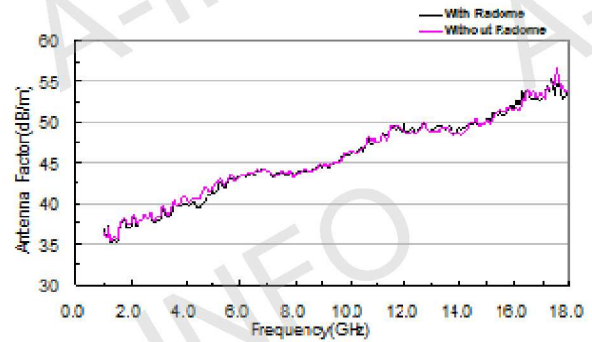
With Radome



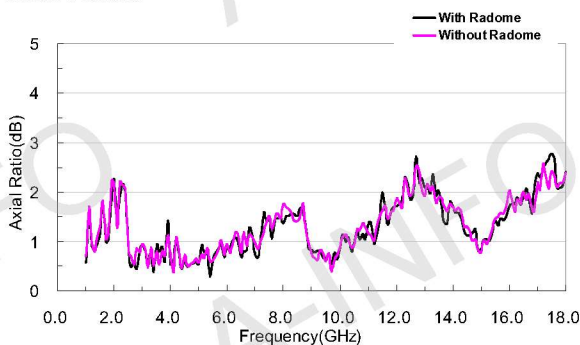
Gain



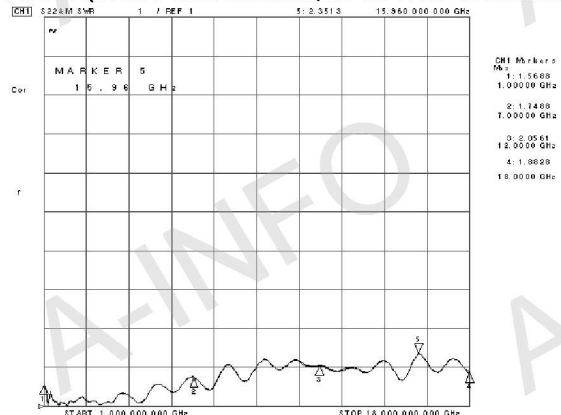
Antenna Factor



Axial Ratio



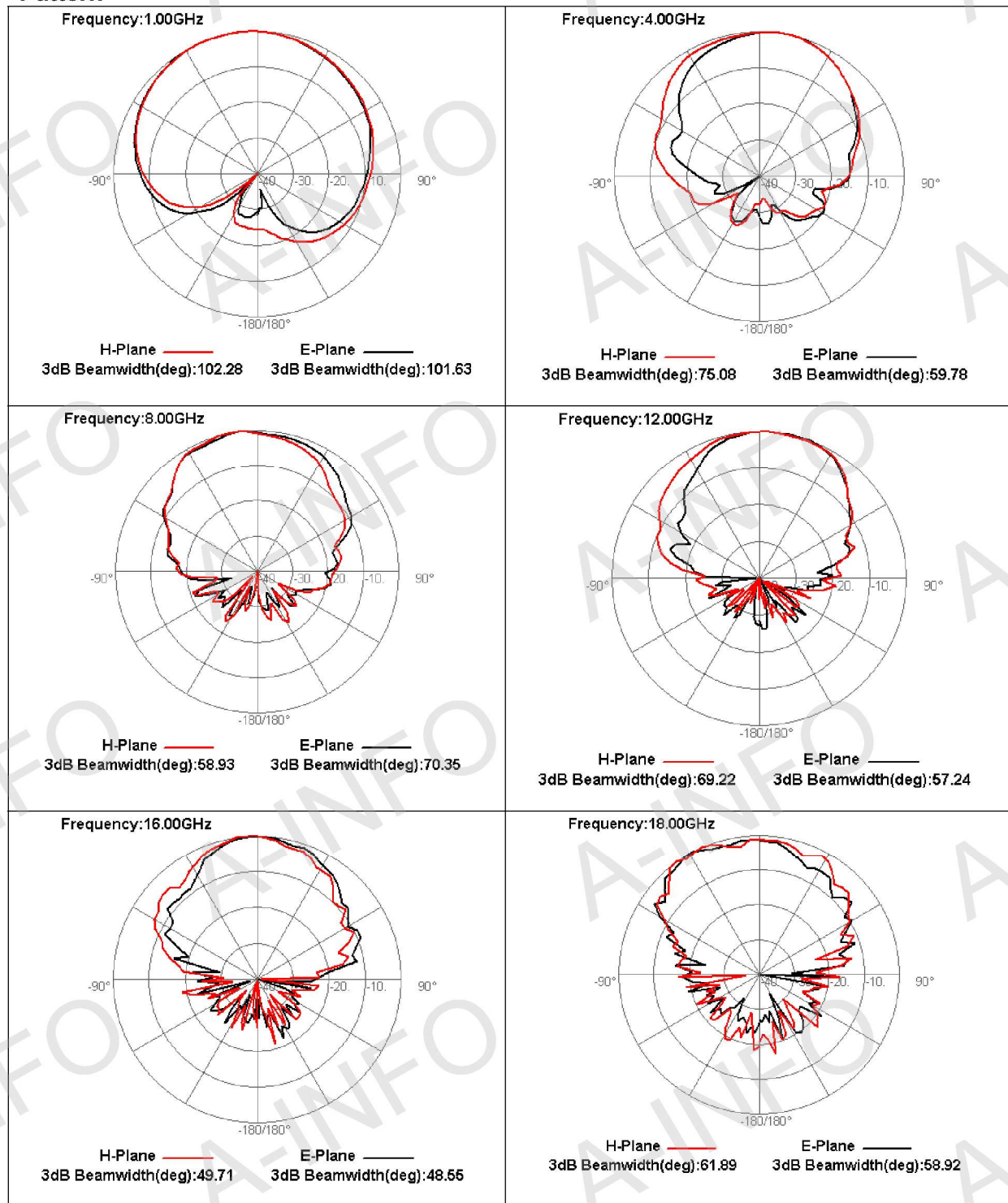
VSWR(DATA: With Radome; MEM: Without Radome)



Cavity Backed Spiral Antenna 1.0~18.0GHz(continued)

P/N: LX-10180

Pattern



Cavity Backed Spiral Antenna 2.0~18.0GHz

P/N: LX-20180

Without Radome

With Radome



Technical Specification

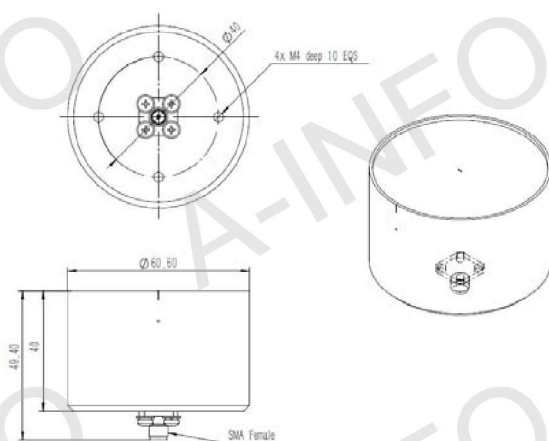
Polarization	RHCP or LHCP	
Frequency Range(GHz)	2 - 18	
Gain(dBic)	Without Radome	-5.99@2GHz
		4.41@8GHz
		1.37@18GHz
	With Radome	-5.42@2GHz
		4.25@8GHz
		0.94@18GHz
Axial Ratio(dB)	3.5 Max.	
3dB Beamwidth(deg)	Without Radome	E: 100 - 55
		H: 105 - 55
VSWR	2.0 : 1 Typ.	
	3.0 : 1 Max	
Connector	SMA- Female	
Net Weight(Kg)	0.17 Around(Without Radome)	
	0.18 Around(With Radome)	
Material For Radome	Rigid Foam	
Operating Environment For Radome	Outdoor Application; Water Proof & Dust Proof	

Cavity Backed Spiral Antenna 2.0~18.0GHz(continued)

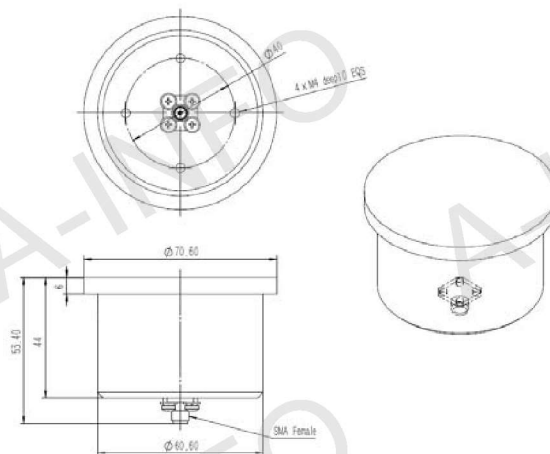
P/N: LX-20180

Outline Drawing and Mounting(Size: mm)

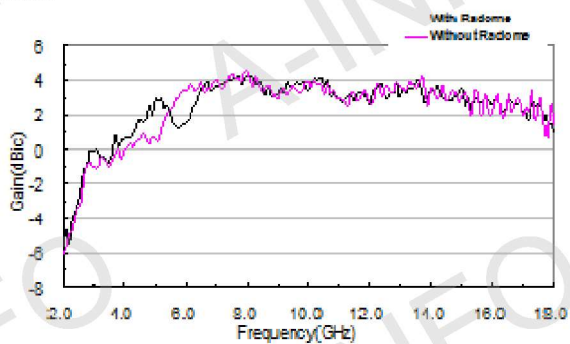
Without Radome



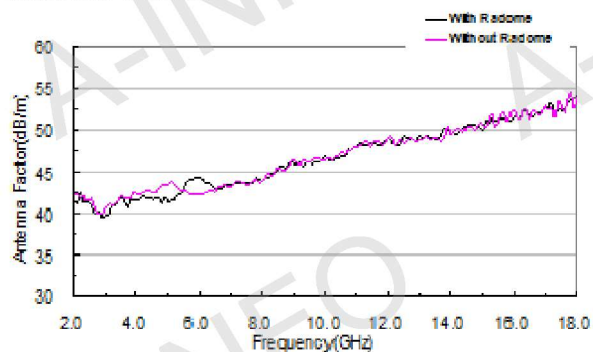
With Radome



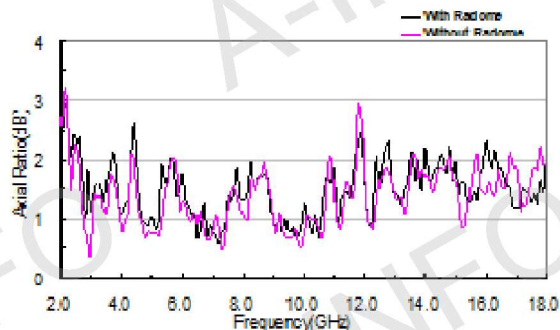
Gain



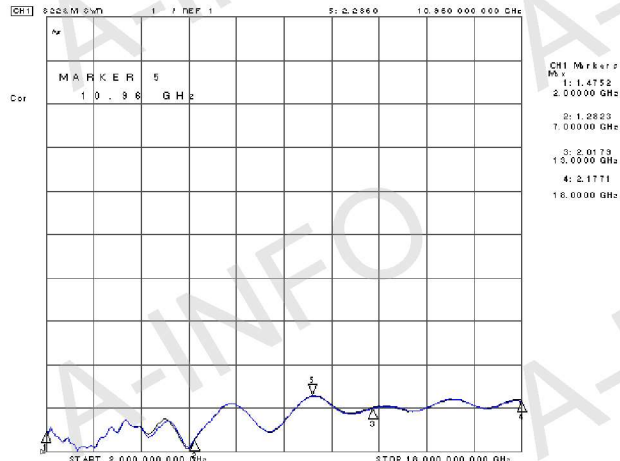
Antenna Factor



Axial Ratio



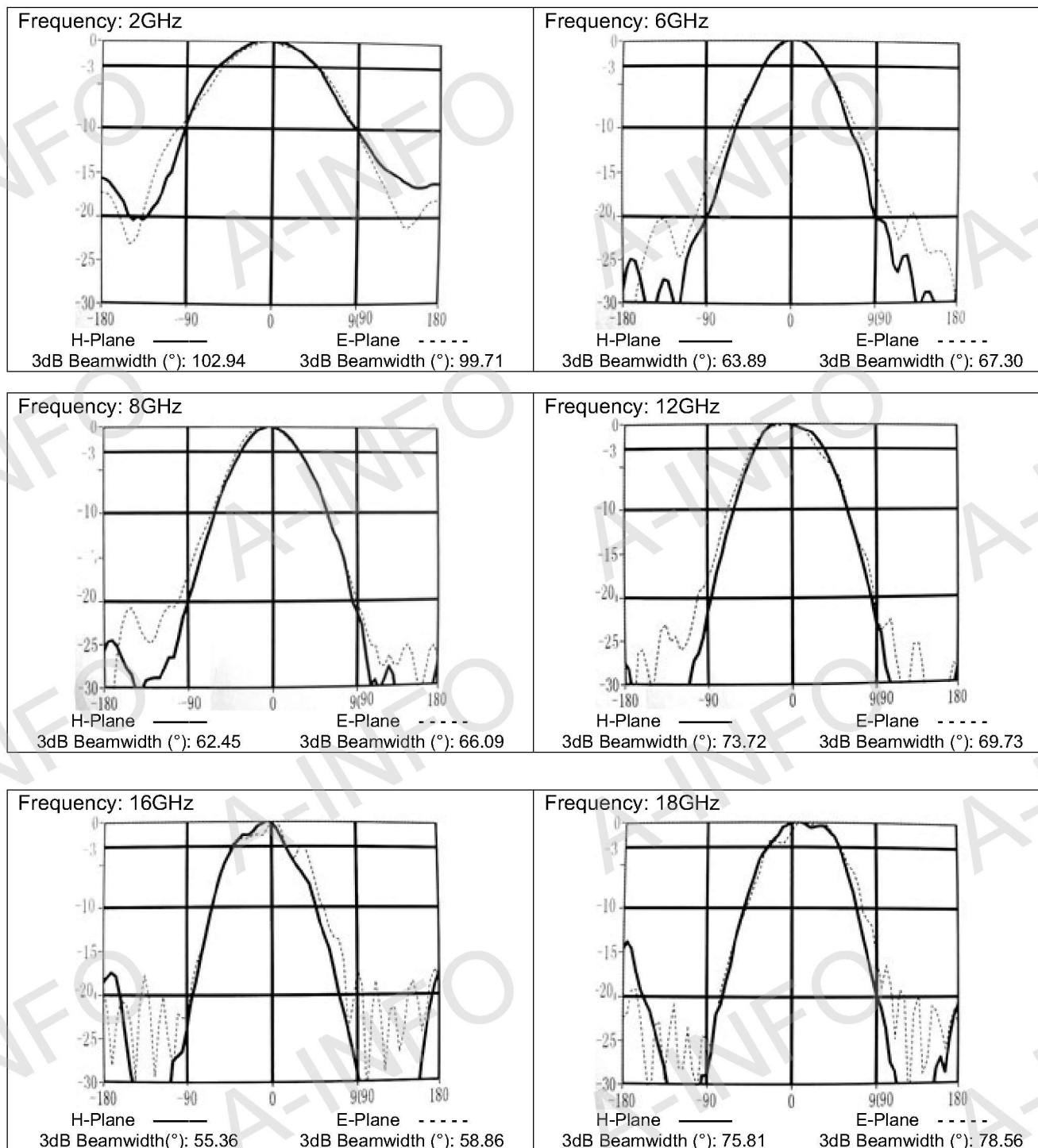
VSWR



Cavity Backed Spiral Antenna 2.0~18.0GHz(continued)

P/N: LX-20180

Pattern



Cavity Backed Spiral Antenna 2.0~18.0GHz

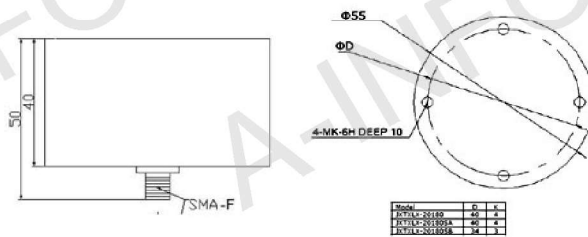
P/N: LX-20180SA



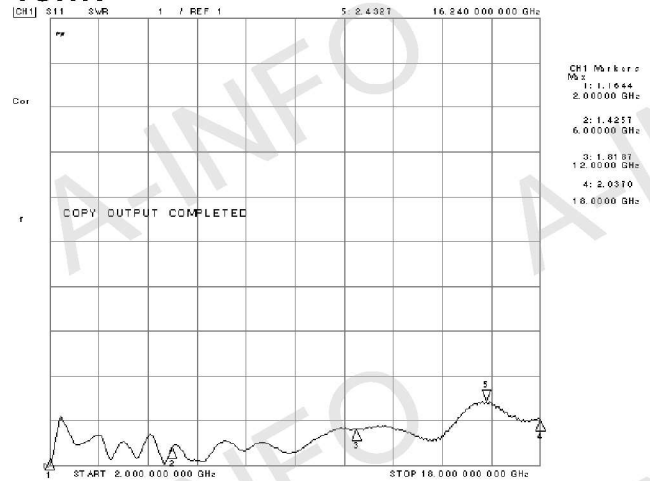
Technical Specification

Polarization	RHCP or LHCP
Frequency Range(GHz)	2-18
Gain(dBic)	-5.41@2GHz 2.93 @8GHz 4.29@18GHz
3dB Beamwidth(Deg)	E: 115 - 50 H: 105 - 50
Axial Ratio(dB)	4 Max
VSWR	2.0 : 1 Typ. 3.0 : 1 Max
Connector	SMA-Female
Size(mm)	Φ55 x 50
Net Weight(Kg)	0.13 Around

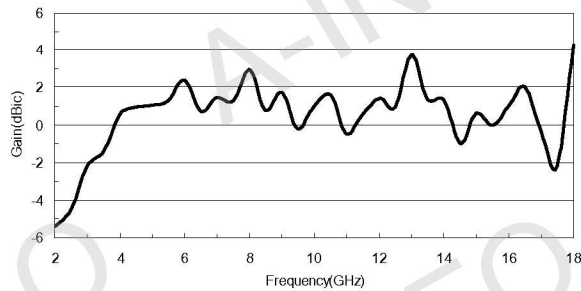
Outline Drawing and Mounting(Size: mm)



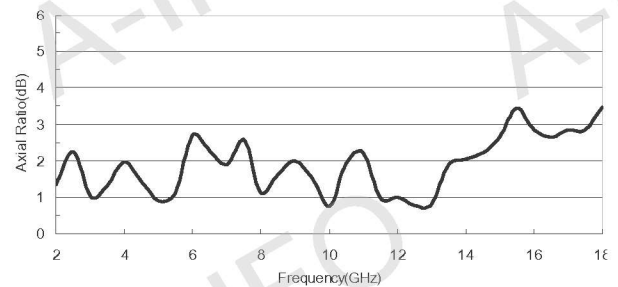
VSWR



Gain



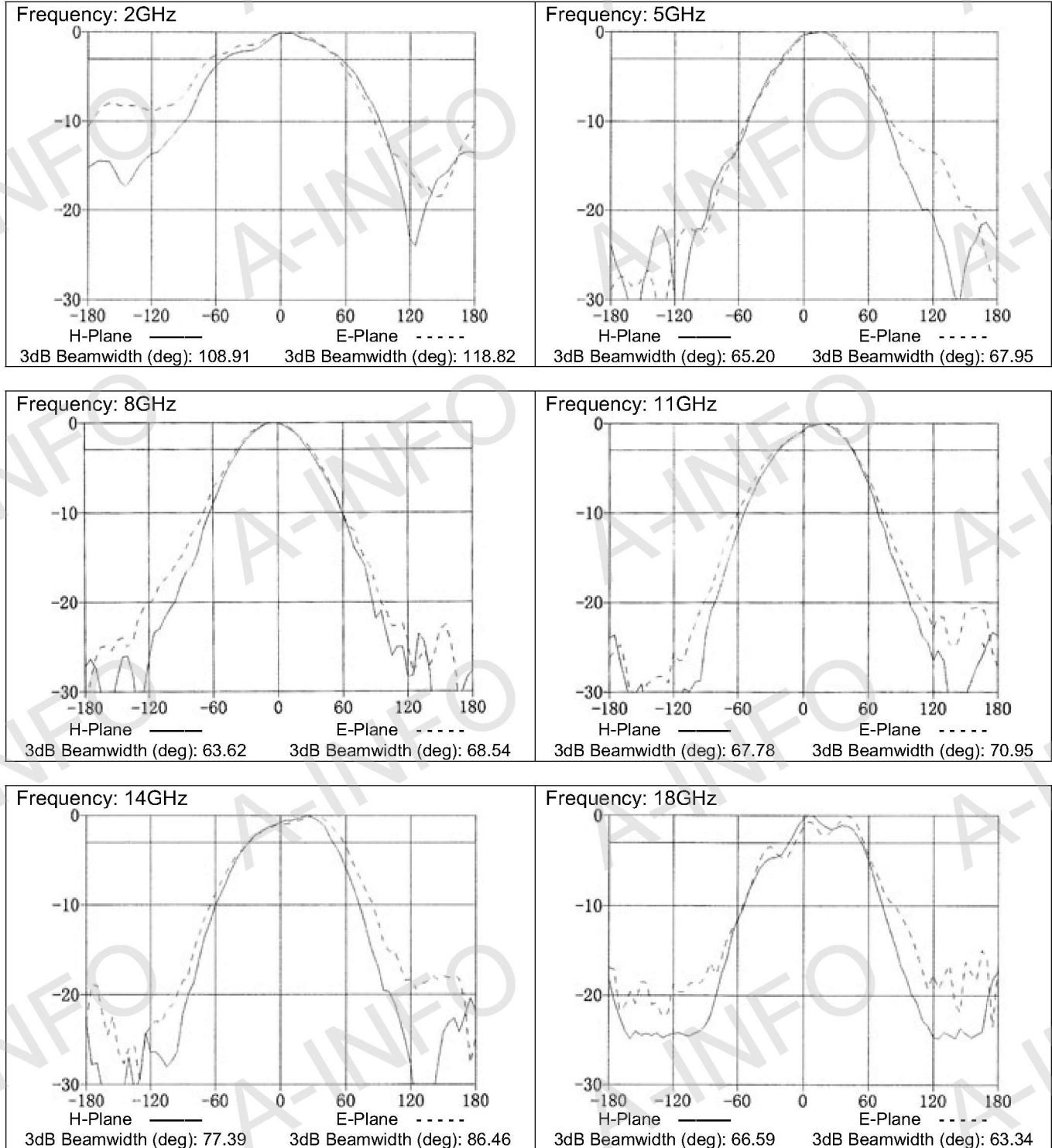
Axial Ratio



Cavity Backed Spiral Antenna 2.0~18.0GHz(continued)

P/N: LX-20180SA

Pattern



Cavity Backed Spiral Antenna 6.0~18.0GHz

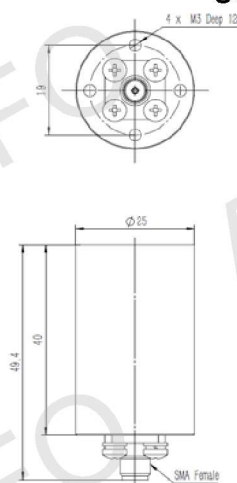
P/N: LX-60180



Technical Specification

Frequency Range(GHz)	6.0-18.0
Gain(dBic)	3.85@6GHz 4.28@12GHz 4.22@18GHz
Polarization	RHCP or LHCP
Axial Ratio(dB)	5.0 Max
3dB Beamwidth(°)	E: 110 - 40 H: 95 - 50
VSWR	2.0 : 1 Typ. 3.0 : 1 Max
Connector	SMA-Female
Material	Al
Size(mm)	Φ25 x 49.4
Net Weight(Kg)	0.03Around

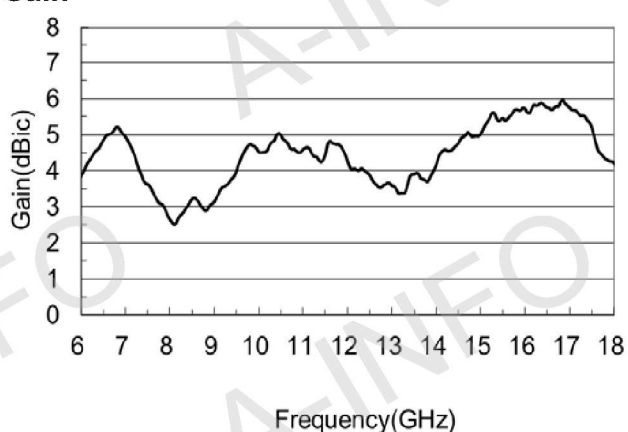
Outline Drawing(Size: mm)



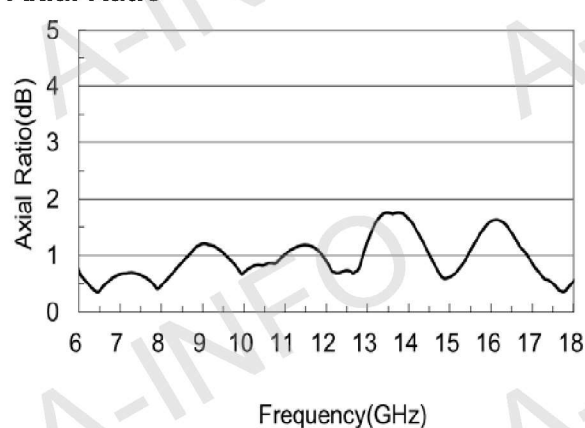
VSWR



Gain



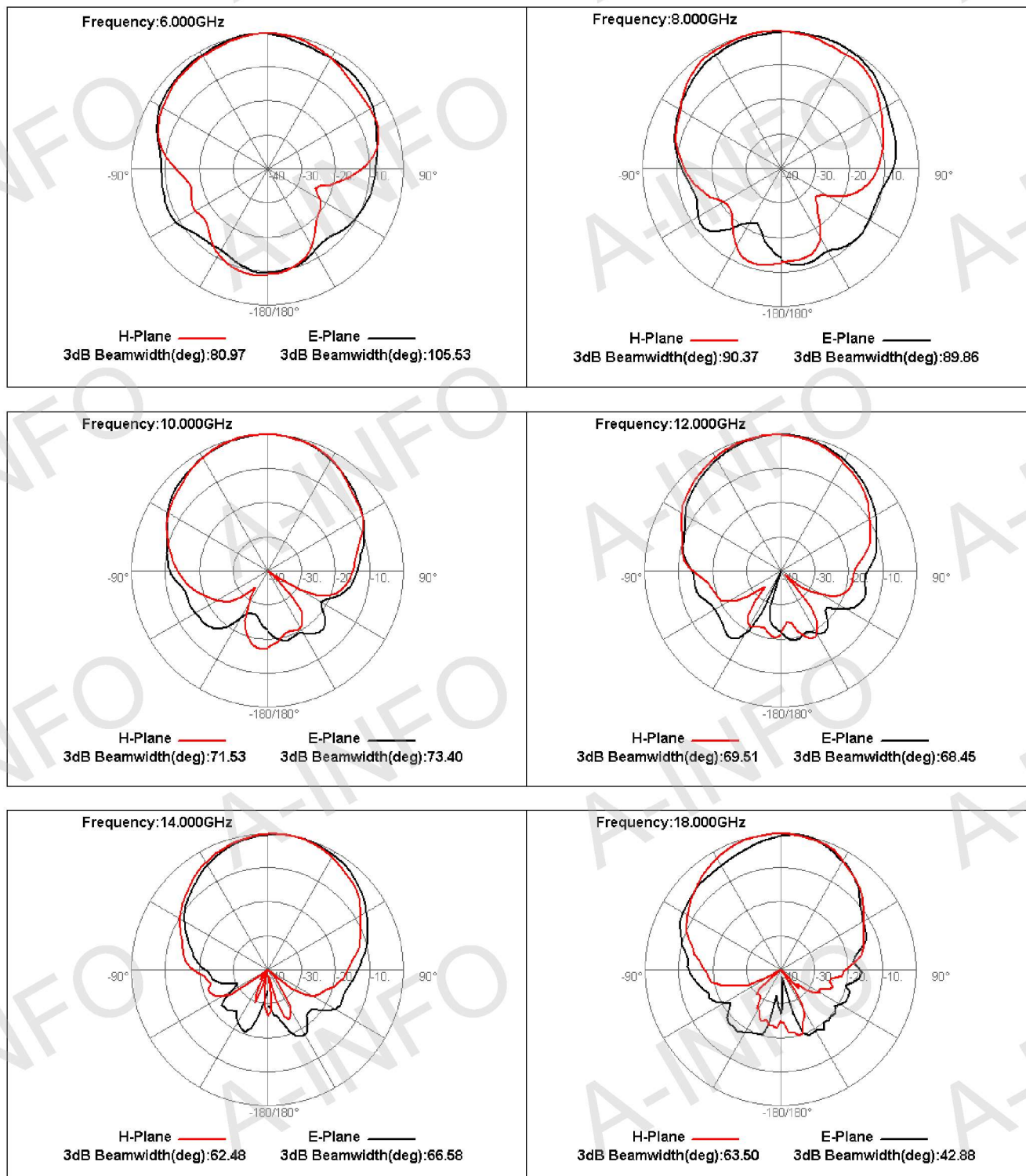
Axial Ratio



Cavity Backed Spiral Antenna 6.0~18.0GHz(continued)

P/N: LX-60180

Pattern



Cavity Backed Spiral Antenna 18.0~40GHz

P/N: LX-180400

Without Radome



With Radome

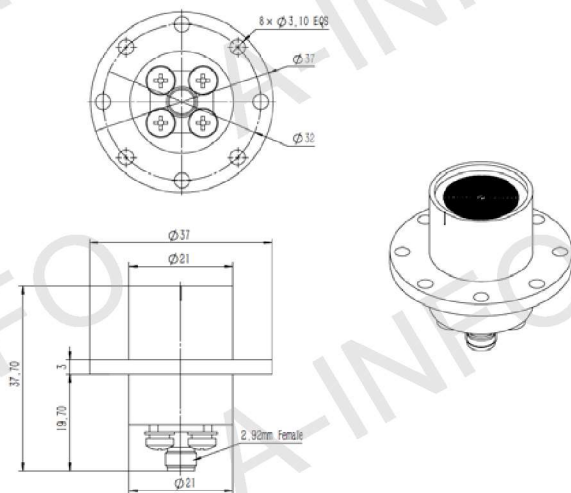


Technical Specification

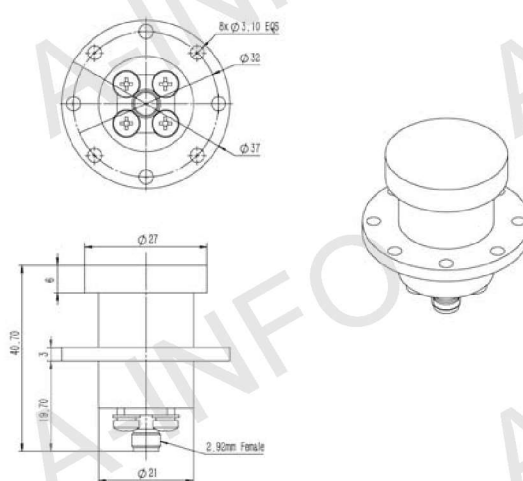
Polarization	LHCP or RHCP
Frequency Range(GHz)	18 - 40
Gain(dBic)	0 - 4
Axial Ratio(dB)	5.5 Max
3dB Beamwidth(deg)	E: 100 - 45 H: 95 - 40
VSWR	2.0 : 1 Typ. 3.0 : 1 Max
Connector	2.92mm-Female
Size(mm)	Φ37 x 37.7
Net Weight(Kg)	0.05 Around

Outline Drawing (Size: mm)

With 2.92mm-Female Output



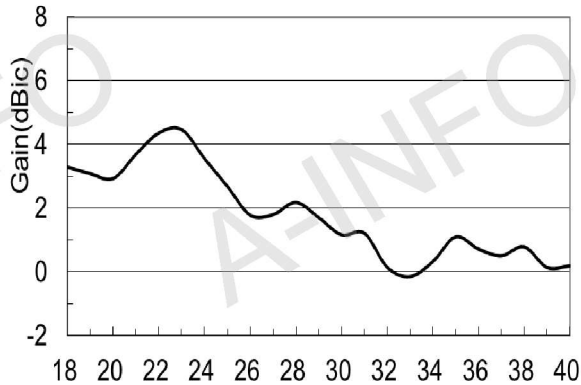
With 2.92mm-Female Output & Radome



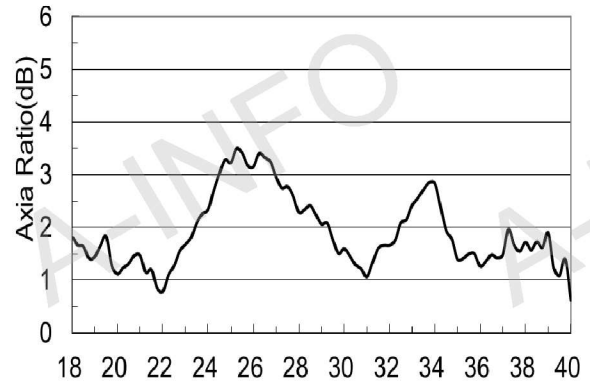
Cavity Backed Spiral Antenna 18.0~40GHz(continued)

P/N: LX-180400

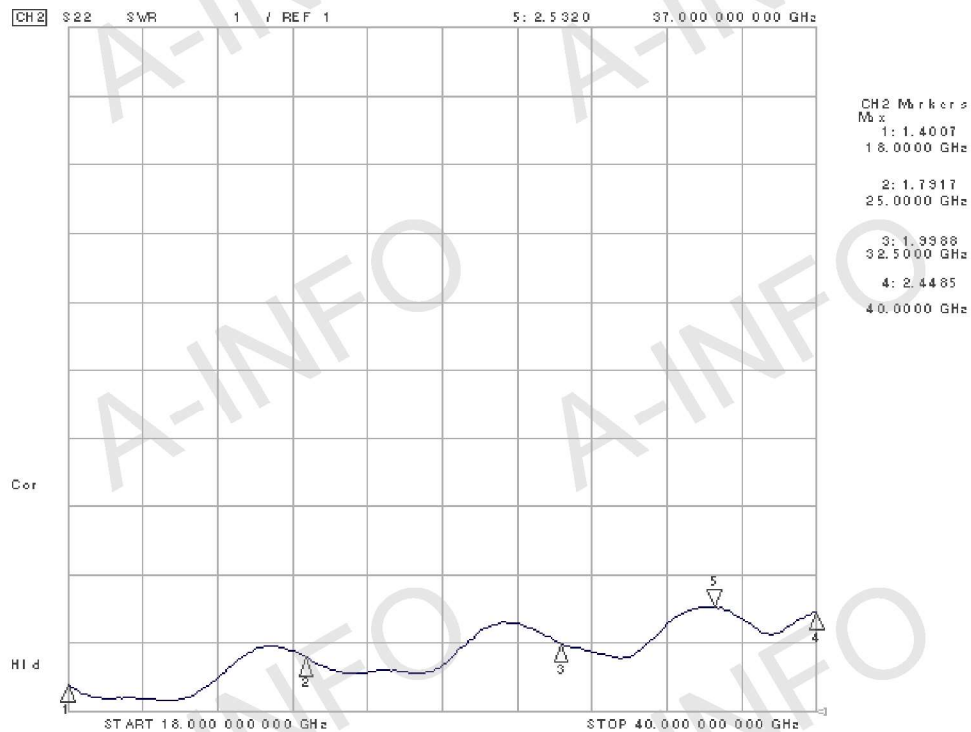
Gain



Axial Ratio



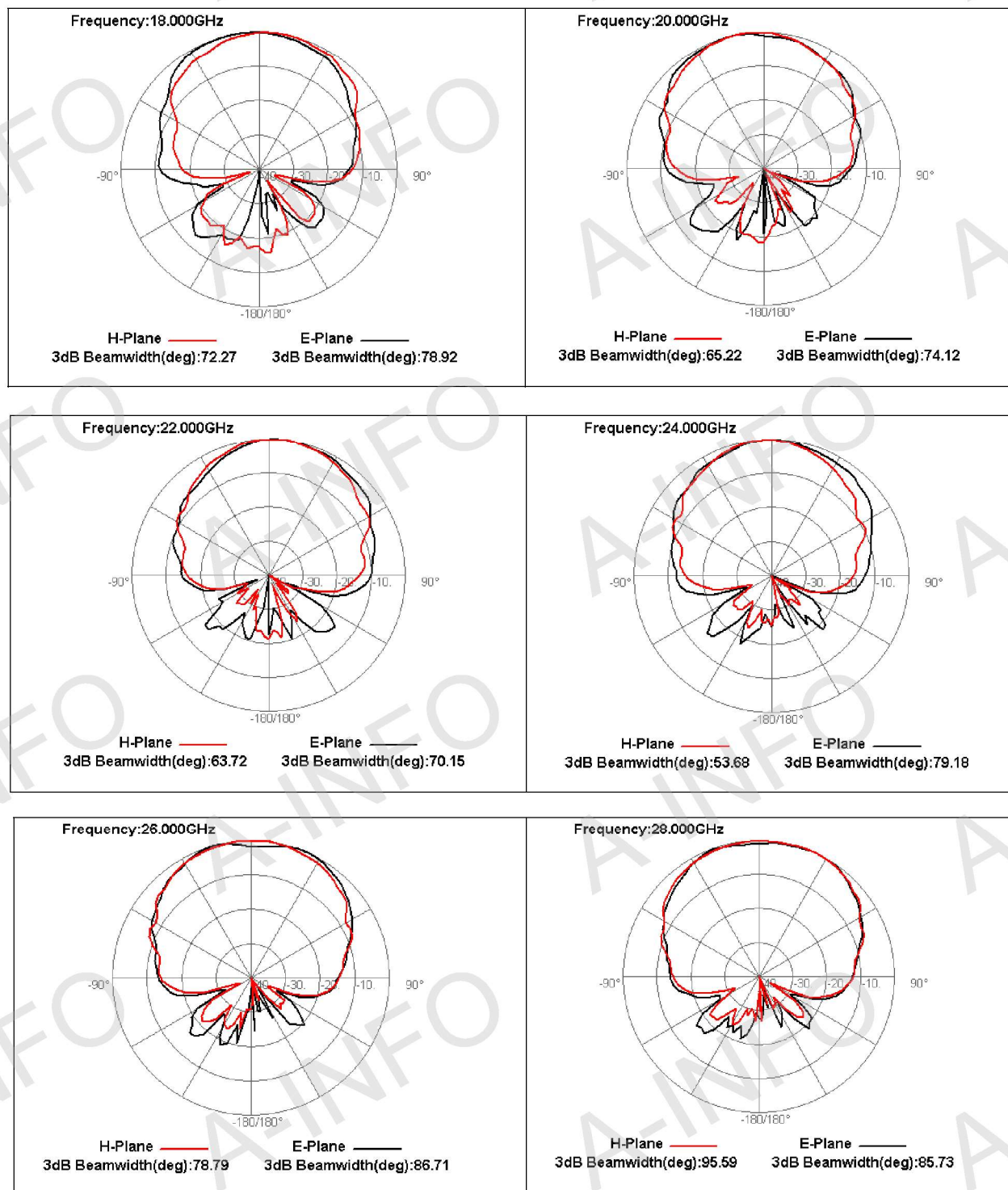
VSWR



Cavity Backed Spiral Antenna 18.0~40GHz(continued)

P/N: LX-180400

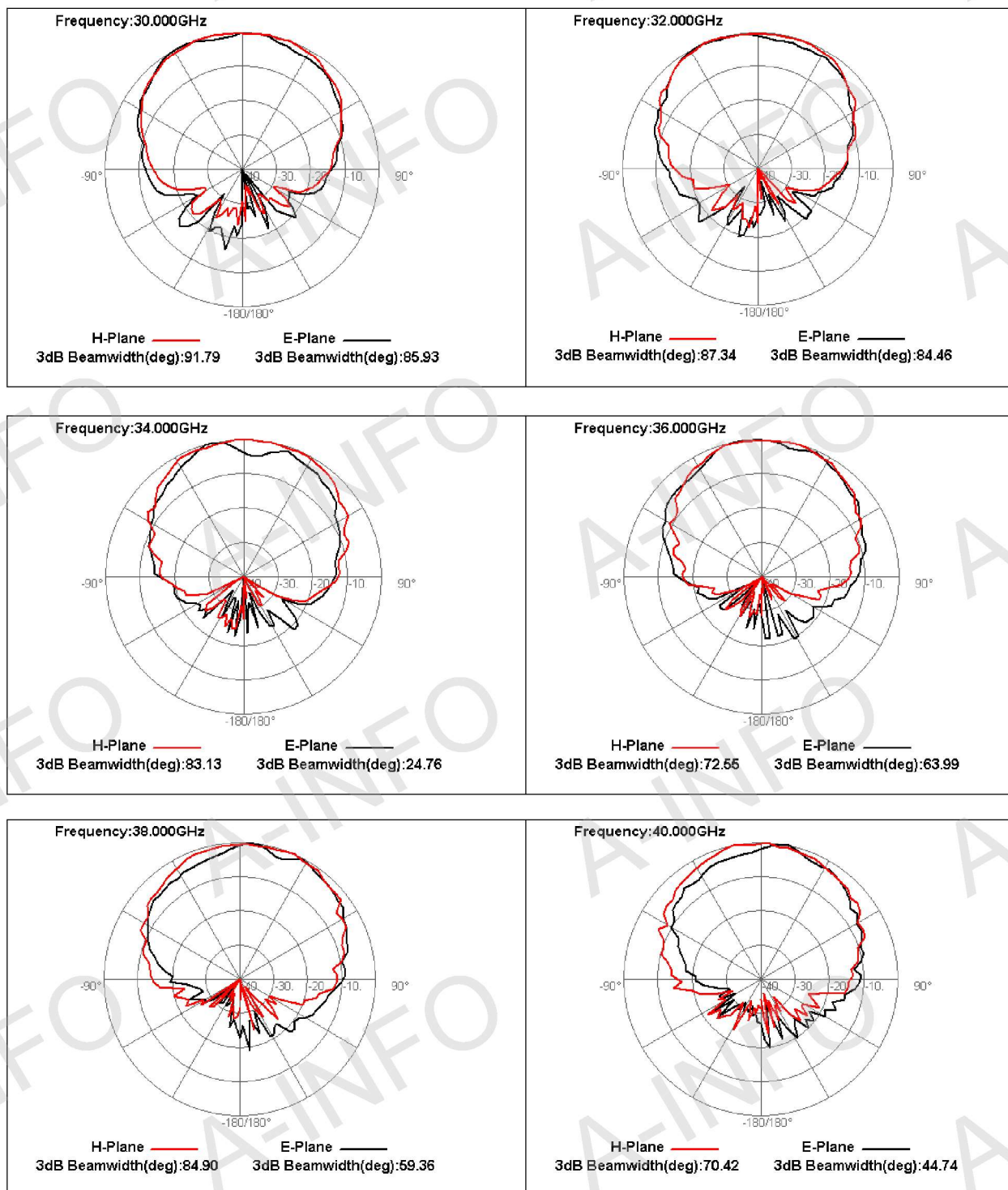
Pattern



Cavity Backed Spiral Antenna 18.0~40GHz(continued)

P/N: LX-180400

Pattern



Helical Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Helical Antenna and download.

Model	Frequency (GHz)	Gain (dBic) Min.	VSWR Max.	Power Handling (W) CW	Connector	Size (mm)
ZLX-6670-10	6.6-7.0	10	2.0	10	SMA-F	Φ60 x 99.1
ZLX-8084-12	8.0-8.4	12	2.0	10	SMA-F	Φ60 x 119.4
ZLX-9010-12	9.0-10.0	12	2.0	10	SMA-F	Φ60 x 119.4

Spiral Antenna Accessories

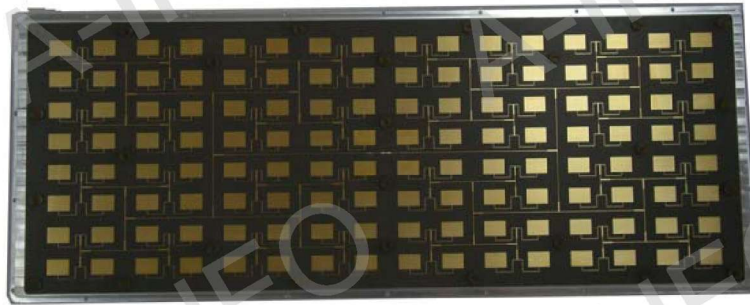
Radome (For all Spiral Antenna)



Mounting Bracket (L Type)



Microstrip Array Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Microstrip Array Antenna and download.

Model	Freq. (MHz)	Bandwidth	Gain (dB)	VSWR Max.	Connector	Impedance (Ω)
MAA-410	400-1000	5%	10-15	2:1	N	50
MAA-1020	1000-2000	5%	10-15	2:1	N	50
MAA-2224	2200-2400	Full	12 Typ.	2:1	SMA	50
MAA-2040	2000-4000	8%-10%	15-20	2:1	N/SMA	50
MAA-4080	4000-8000	8%-10%	15-20	2:1	SMA	50
MAA-7479	7400-7900	Full	15-20	2:1 Typ.	SMA	50
MAA-80125	8000-12500	8%-10%	20-30	2:1	SMA	50
MAA-935985-V	9350-9850	Full	20 min	2:1	SMA	50
MAA-9600-C41	9350-9850	Full	20 Typ.	2:1	N-F/SMA-F	50
MAA-945975-C10	9450-9750	Full	26 min	2:1	N-F/SMA-F	50
MAA-10000-C21	9500-10500	Full	20 min	2:1	SMA-F/N-F	50
MAA-125180	12500-18000	8%-10%	20-30	2:1	SMA	50
MAA-164595-1	16450-16950	Full	20 min	2:1	SMA	50
MAA-164595-2	16450-16950	Full	20 min	2:1	SMA	50
MAA-164595-V	16450-16950	Full	18 min	2:1	SMA	50
MAA-240255	24000-25500	Full	22.5 Typ.	2.5:1	SMA-F	50

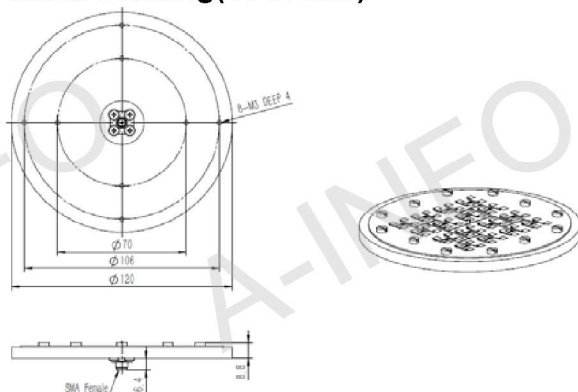
Microstrip Array Antenna 24.0~25.5GHz

P/N: MAA-240255

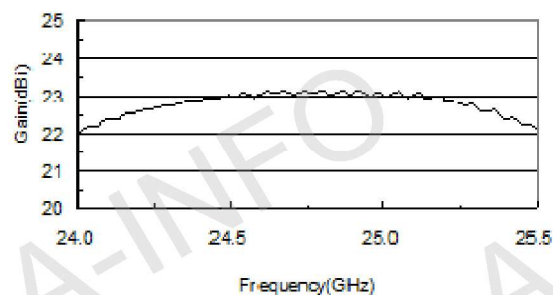
Technical Specification

Frequency Range(GHz)	24.0-25.5
VSWR	1.5 Typ. , 2.5 Max
Gain(dB)	22.5 Typ.
3dB Beamwidth(deg)	9.0 Typ.
Connector	SMA-Female
Size(mm)	Φ120 x 8.8 (Connector is not included.)
Net Weight(Kg)	0.2 Around

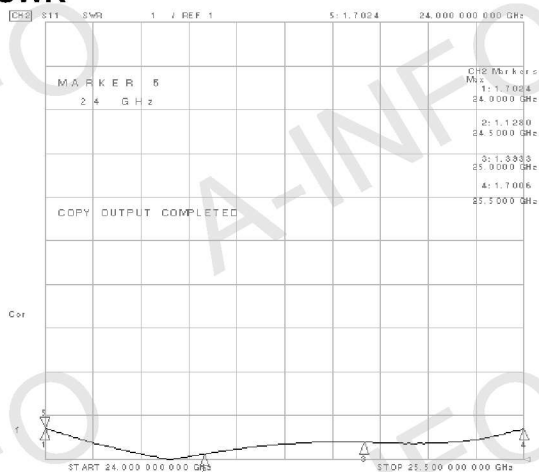
Outline Drawing(Size: mm)



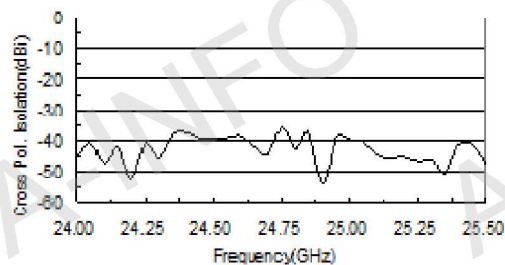
Gain



VSWR



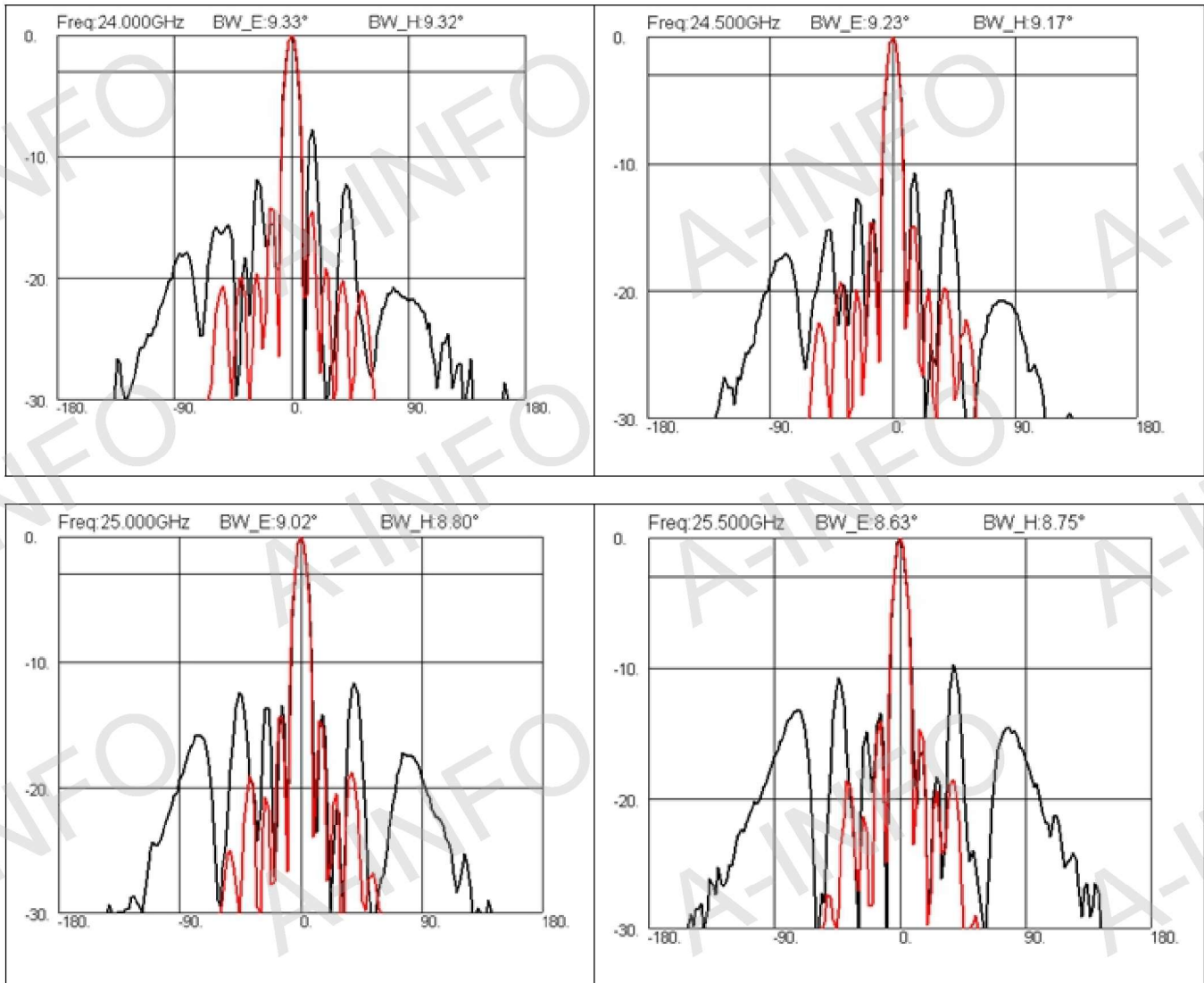
Cross Pol. Isolation



Microstrip Array Antenna 24.0~25.5GHz (continued)

P/N: MAA-240255

Pattern



Microstrip Omni Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Microstrip Omni Antenna and download.

Model	Frequency (MHz)	Polarization	Gain (dB)	VSWR Max.	Connector
OA-200-400-0	200-400	Vertical	0±2	2:1	N-Female
OA-200-6000-0	200-6000	Vertical	0	2:1	N-Female
OA-800-2700-2.5	800-2700	Vertical	2.5	2:1	SMA-Male/SMA-Female

Microstrip Omni Antenna 0.2~6.0GHz

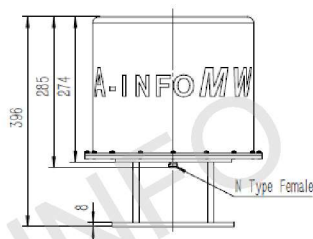
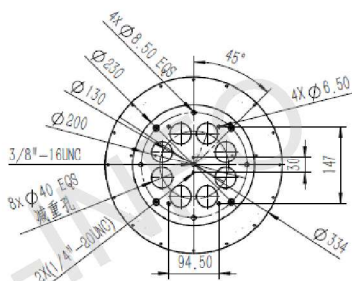
P/N: OA-200-6000-0



Technical Specification

Frequency Range(MHz)	200 - 6000
Gain(dB)	0 Typ.
Antenna Factor	Pls. see the test results
VSWR	2.0 : 1 Typ.
Polarization	Vertical
Connector	N-Female
Size(mm)	Φ334 x 396 approx.
Net Weight(Kg)	4.5 Around (Antenna Radome & Mounting Plate Included)

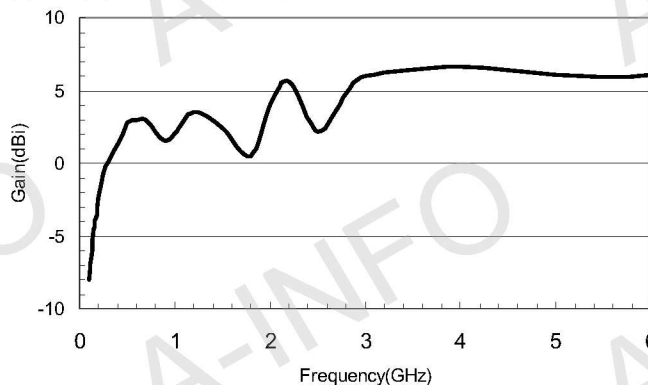
Outline Drawing (Size: mm)



Gain & Antenna Factor

Frequency (GHz)	Gain (dB)	Antenna Factor (dBm-1)
0.20	-2.4	18.63
0.30	0.2	19.55
0.40	1.4	20.85
0.5	2.8	21.39
0.7	3.0	24.11
0.9	1.5	27.79
1.2	3.5	28.29
1.8	0.5	34.82
2.2	5.6	31.46
2.8	4.8	34.35
4.0	6.6	35.65

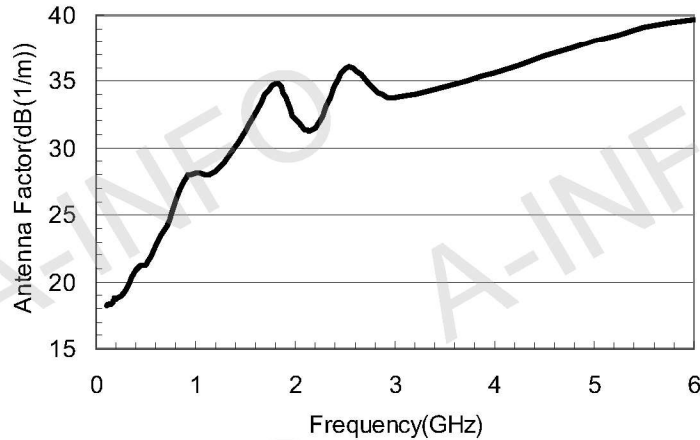
Gain Curve



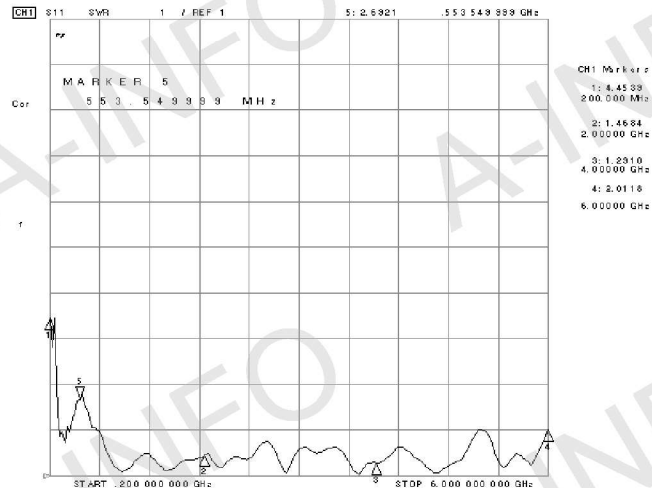
Microstrip Omni Antenna 0.2~6.0GHz(continued)

P/N: OA-200-6000-0

Antenna Factor Curve

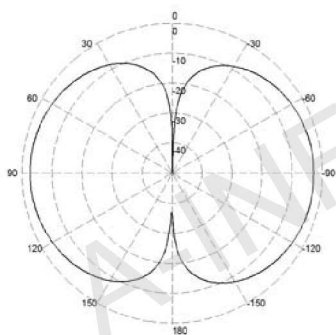


VSWR

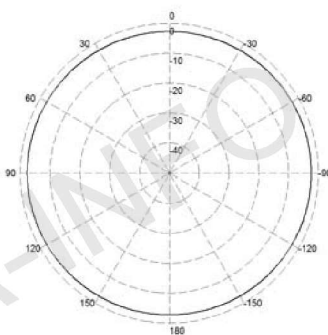


Pattern

Frequency: 0.2GHz



F-Plane



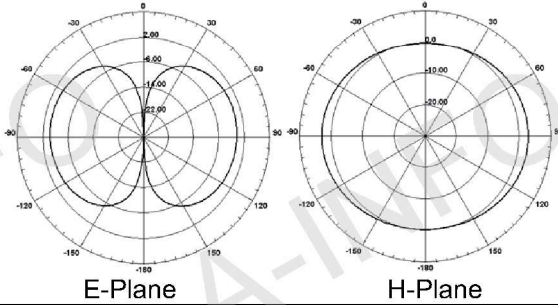
H-Plane

Microstrip Omni Antenna 0.2~6.0GHz(continued)

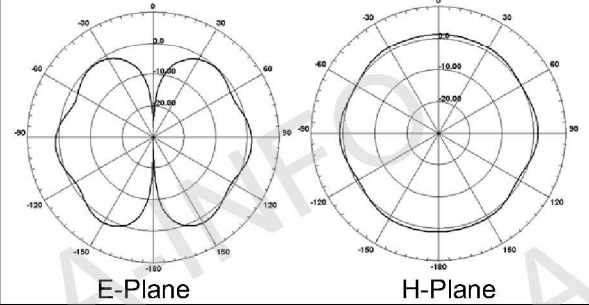
P/N: OA-200-6000-0

Pattern

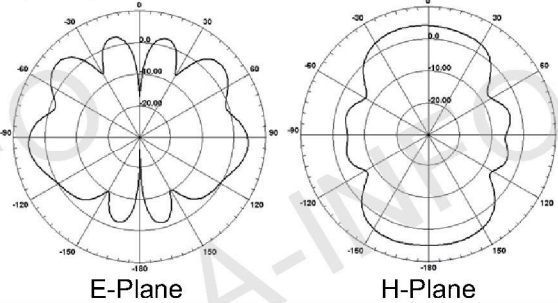
Frequency: 0.5GHz



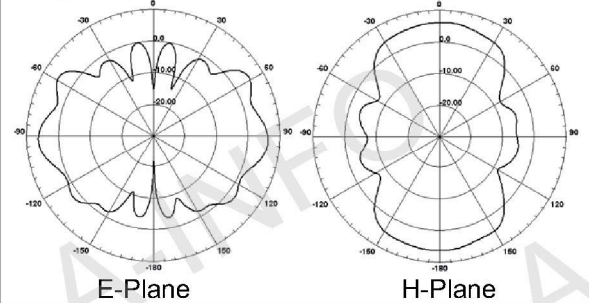
Frequency: 1.0GHz



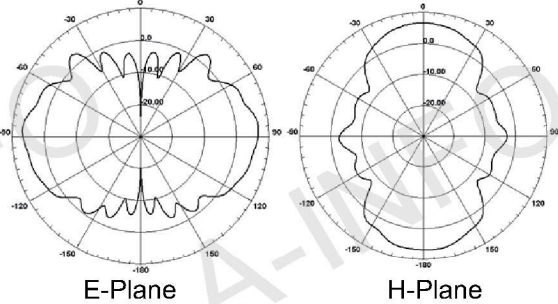
Frequency: 2.0GHz



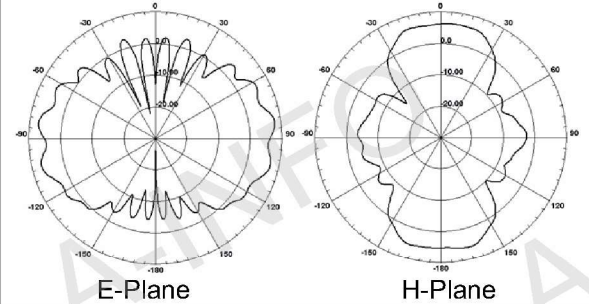
Frequency: 3.0GHz



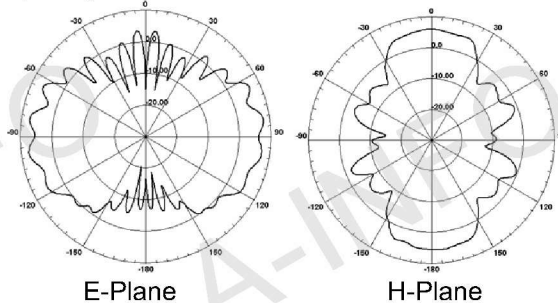
Frequency: 4.0GHz



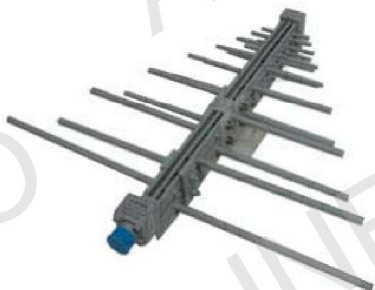
Frequency: 5.0GHz



Frequency: 6.0GHz



Log Periodic Antenna



Our DS series antennas are lightweight, medium gain log periodic dipoles designed to transmit and receive signals over a broadband. These antennas are characterized by a high front-to-back ratio, and power gain at all frequency in the band. High quality aluminum construction for a lightweight, high strength antenna will provide years of trouble-free operation.

ALL DS antennas are linearly polarized. Polarization adjustment is possible, in any plane, DS series antennas operating below 300MHz are also supplied in a kit form for compactness in packaging and ease of transportation. Antennas in the kit form assemble easily with minimum tool requirements. Standard tripod will be provided according to customers' requirement, the joint is universal.

Also we provide specific frequency Log Periodic antennas according to customers' requirement.

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Log Period Antenna and download.

1. Linear Polarization

Model	Freq. Range (MHz)	3dB Bandwidth (°)	Gain (dB)	VSWR Typ.	Connector	Size (mm)
DS-340	30-400	-	5	3.5:1	N-F	3083
DS-3100	30-1000	-	-10~6	10.0 Typ. 30-50MHz,	N-F	1734x1425
				2.0 Typ. 50-100MHz,		
				1.5 Typ. / 2.0 Max 100-1000MHz		
DS-3100E	30-1000	-	-10~6	Same as above	N-F	1734x1601
DS-3200	30-2000	-	-10~6	Same as above	N-F	1734x1425
DS-3200E	30-2000	-	-10~6	Same as above	N-F	1734x1601
DS-3300	30-3000	-	-10~6	Same as above	N-F	1734x1425
DS-3300E	30-3000	-	-10~6	Same as above	N-F	1734x1601
DS-4300	40-3000	-	-10~6	Same as above	N-F	1720x1450

Model	Freq. Range (MHz)	3dB Bandwidth (°)	Gain (dB)	VSWR Typ.	Connector	Size (mm)
DS-1040	100-400	-	6	2:1 Max	N-F	1560x1450
DS-10100	100-1000	-	6	2:1 Max	N-F	1560x1450
DS-10200	100-2000	-	6	2:1 Max	N-F	1560x1450
DS-10200-SPT	100-2000	-	6	2:1 Max	N-F	1408x1550
DS-10300	100-3000	-	6	2:1 Max	N-F	1560x1450
DS-10400	100-4000	150-30	6	2:1	N-F	1560x1450
DS-10600	100-6000	-	0~10	2:1	N-F	1300
DS-18100	180-1000	-	6	2:1	N-F	856x745
DS-18200	180-2000	-	6	2:1	N-F	856x745
DS-18300	180-3000	-	6	2:1	N-F	856x745
DS-20100	200-1000	-	6	1.5:1	N-F	856x745
DS-20200	200-2000	-	6	2:1	N-F	856x745
DS-20300	200-3000	-	6	2:1	N-F	856x745
DS-25100	250-1000	-	6	1.5:1	N-F	739x745x67
DS-25200	250-2000	-	6	2:1	N-F	739x745x67
DS-25300	250-3000	-	6	2:1	N-F	739x745x67
DS-25100-H	250-1000	-	8.5	2:1	N-F	628x1512x126
DS-25200-H	250-2000	-	8.5	2:1	N-F	628x1512x126
DS-25300-H	250-3000	-	8.5	2:1	N-F	628x1512x126
DS-30100	300-1000	120-50	6	1.5:1Typ. 2.0:1Max	N-F	745.5x738.8
DS-30200	300-2000	120-50	6	1.5:1Typ. 2.0:1Max	N-F	745.5x738.8
DS-30300	300-3000	120-50	6	2.0:1Typ. 3.0:1Max	N-F	745.5x738.8
DS-40200	400-2000	140-30	6	1.5:1Typ. 2.0:1Max	N-F	410.4x382
DS-40200C	400-2000	140-30	6	1.5:1Typ. 2.0:1Max	N-F	410.4x374
DS-40200E	400-2000	140-30	6	1.5:1Typ. 2.0:1Max	N-F	410.4x594
DS-40300	400-3000	140-30	6	1.5:1Typ. 2.5:1Max	N-F	410.4x382
DS-40300C	400-3000	140-30	6	1.5:1Typ. 2.5:1Max	N-F	410.4x374
DS-40300E	400-3000	140-30	6	1.5:1Typ. 2.5:1Max	N-F	410.4x594
DS-50200	500-2000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x337
DS-50200C	500-2000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x329
DS-50200E	500-2000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x550
DS-50300	500-3000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x337
DS-50300C	500-3000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x329
DS-50300E	500-3000	140-30	7	1.5:1Typ. 2.5:1Max	N-F	355x550
DS-50300E	500-3000	140-30	7	2.0:1Typ.	N-F	355x550

Model	Freq. Range (MHz)	3dB Bandwidth (°)	Gain (dB)	VSWR Typ.	Connector	Size (mm)
DS-50400C	500-4000	140-30	7	2.0:1Typ. 3.0:1Max	N-F	355x329
DS-50400E	500-4000	140-30	7	2.0:1Typ. 3.0:1Max	N-F	355x550
DS-50600	500-6000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x494.8
DS-50600C	500-6000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x487.1
DS-50600E	500-6000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x688.5
DS-50800	500-8000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x494.8
DS-50800C	500-8000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x487.1
DS-50800E	500-8000	110-40	7	2.0:1Typ. 3.0:1Max.	N-F	355x688.5
DS-100600	1000-6000	110-40	7	2.0:1Typ. 3.0:1Max	N-F	355x494.8
DS-100600C	1000-6000	110-40	7	2.0:1Typ. 3.0:1Max	N-F	355x487.1
DS-100600E	1000-6000	110-40	7	2.0:1Typ. 3.0:1Max	N-F	355x688.5

2. Dual Linear Polarization



Model	Frequency (MHz)	Pol.	Gain (dB) Typ.	VSWR Typ.	Cross Pol. Isolation (dB) Typ.	Connector	Size (mm)
DS-SJ-10100	0.1-1.0	Dual	7	2.0:1	20	N-F	1554.6X1554.6X1666.6
DS-SJ-10200	0.1-2.0	Dual	7	2.0:1	20	N-F	1554.6X1554.6X1666.6
DS-SJ-10300	0.1-3.0	Dual	7	2.0:1	20	N-F	1554.6X1554.6X1666.6
DS-SJ-10400	0.1-4.0	Dual	7	2.0:1	20	N-F	1555x1555x1667
DS-SJ-20100	0.2-1.0	Dual	7	2.0:1	20	N-F	857X857X1120
DS-SJ-20200	0.2-2.0	Dual	7	2.0:1	20	N-F	857X857X1120
DS-SJ-20300	0.2-3.0	Dual	7	2.0:1	20	N-F	857X857X1120
DS-SJ-20400	0.2-4.0	Dual	7	2.0:1	20	N-F	857X857X1120

Note: Customized connector Type is available.

Log Periodic Antenna Accessories

Cable Assemblies



Non-metal Tripod



Al Alloy Tripod

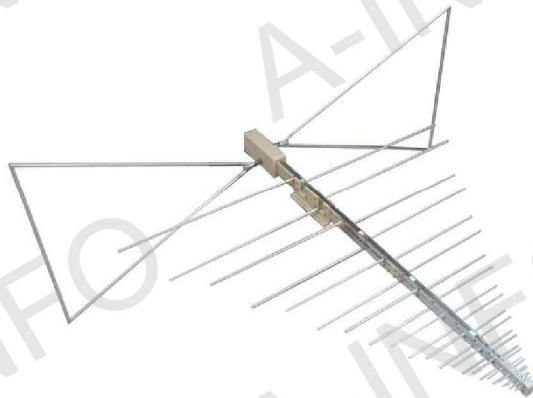


Wood Tripod



Log Periodic Antenna 30~3000MHz

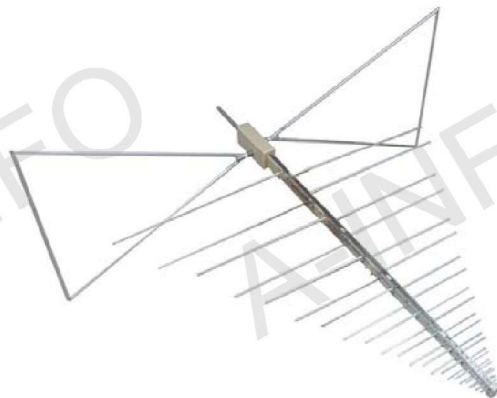
P/N: DS-3300



Technical Specification

Frequency Range(GHz)	0.03 - 3.0
Gain(dB)	-10 - 6.0 Typ.
Polarization	Linear
VSWR	10.0 Typ.(30-50MHz) 2.0 Typ.(50-100MHz) 1.5 Typ./ 2.0 Max (100-3000MHz)
Connector	N-Female
Power handling(W)	300 CW
Size(mm)	1734 x 1425
Net Weight(Kg)	3.5 Around

P/N: DS-3300E

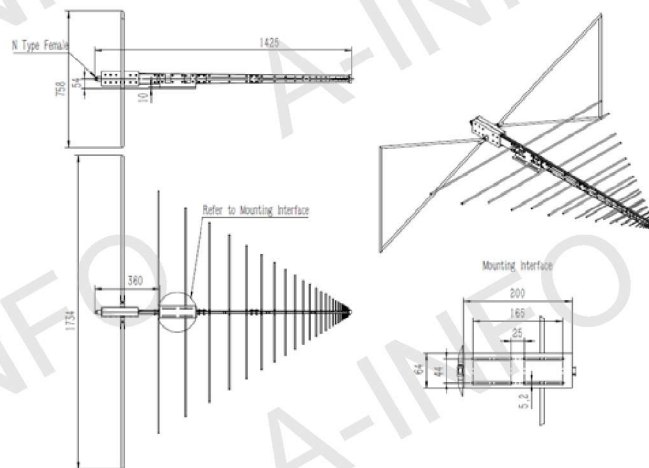


Technical Specification

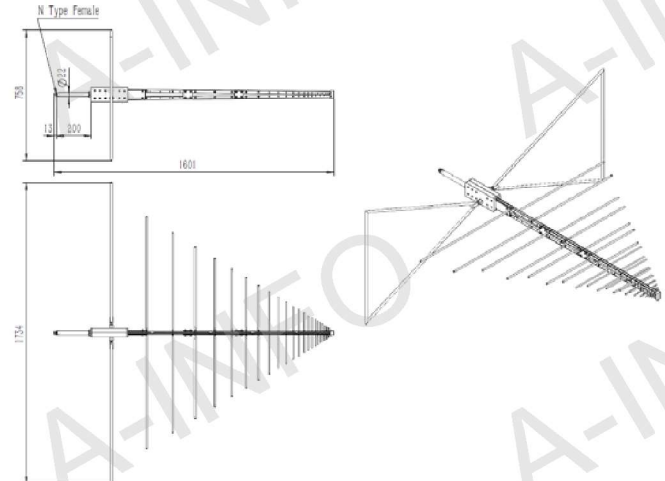
Frequency Range(GHz)	0.03 - 3.0
Gain(dB)	-10 - 6.0 Typ.
Polarization	Linear
VSWR	10.0 Typ.(30-50MHz) 2.0 Typ.(50-100MHz) 1.5 Typ./ 2.0 Max (100-3000MHz)
Connector	N-Female
Power handling(W)	300 CW
Size(mm)	1734 x 1601
Net Weight(Kg)	4.3 Around

Outline Drawing (Size: mm)

DS-3300 with Mounting Bracket



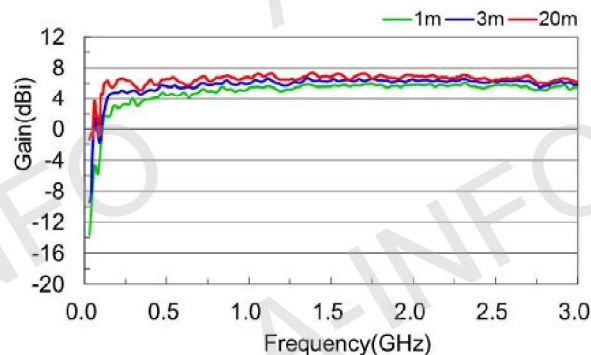
DS-3300E



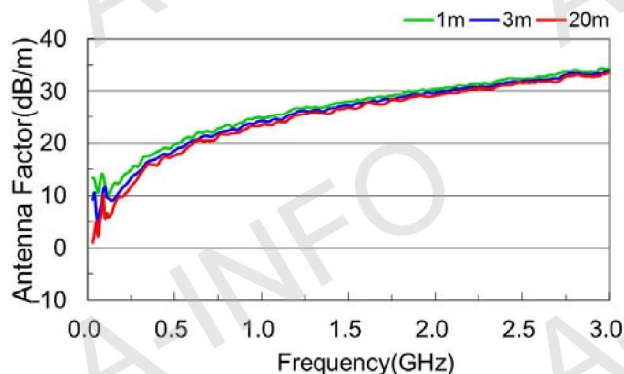
Log Periodic Antenna 30~3000MHz(continued)

P/N: DS-3300

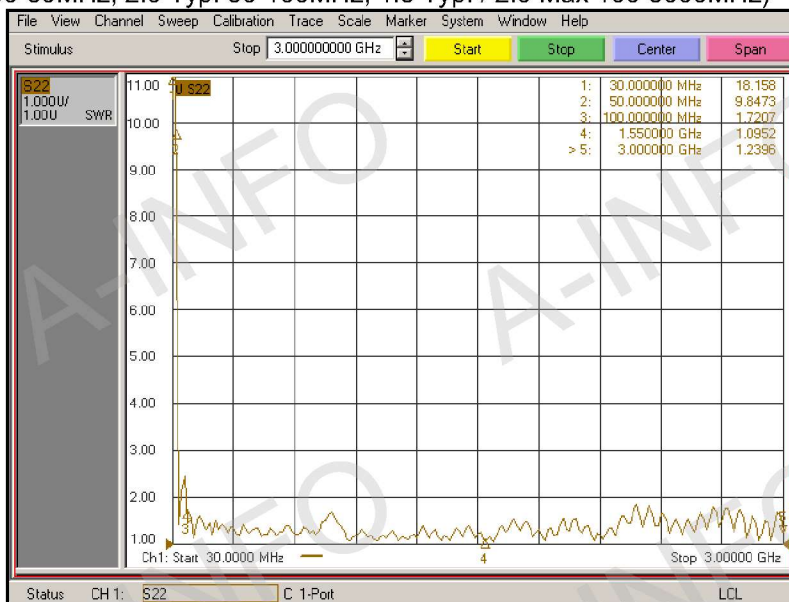
Gain



Antenna Factor

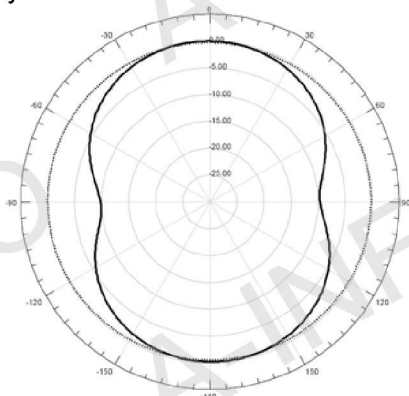


VSWR (10.0 Typ. 30-50MHz, 2.0 Typ. 50-100MHz, 1.5 Typ. / 2.0 Max 100-3000MHz)



Pattern

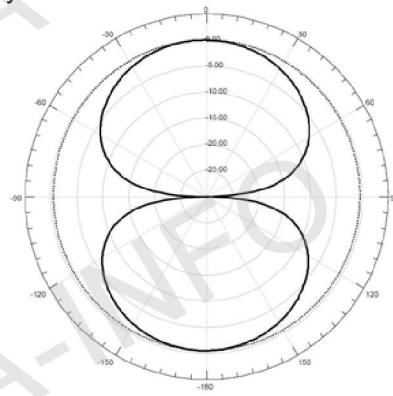
Frequency: 30MHz



H-Plane ———

E-Plane - - - - -

Frequency: 50MHz



H-Plane ———

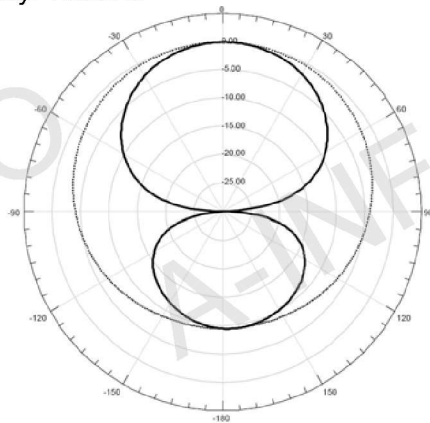
E-Plane - - - - -

Log Periodic Antenna 30~3000MHz(continued)

P/N: DS-3300

Pattern

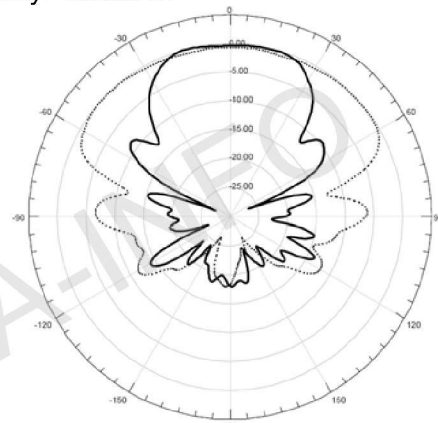
Frequency: 100MHz



H-Plane ———

E-Plane - - - -

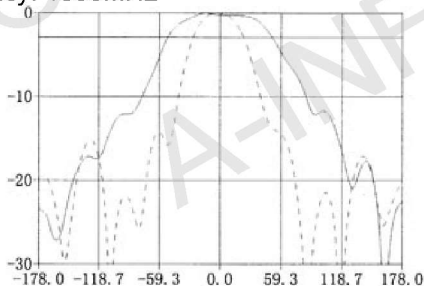
Frequency: 1000MHz



H-Plane ———

E-Plane - - - -

Frequency: 1500MHz

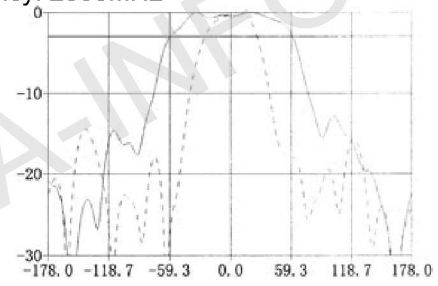


H-Plane ———

E-Plane - - - -

3dB Beamwidth (deg): 101.99 3dB Beamwidth (deg): 49.17

Frequency: 2000MHz

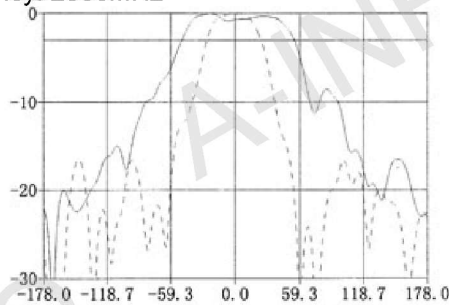


H-Plane ———

E-Plane - - - -

3dB Beamwidth (deg): 119.28 3dB Beamwidth (deg): 50.88

Frequency: 2500MHz

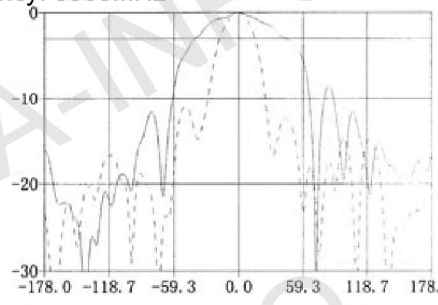


H-Plane ———

E-Plane - - - -

3dB Beamwidth (deg): 103.92 3dB Beamwidth (deg): 49.86

Frequency: 3000MHz



H-Plane ———

E-Plane - - - -

3dB Beamwidth (deg): 83.80 3dB Beamwidth (deg): 32.52

Log Periodic Antenna 100~400MHz

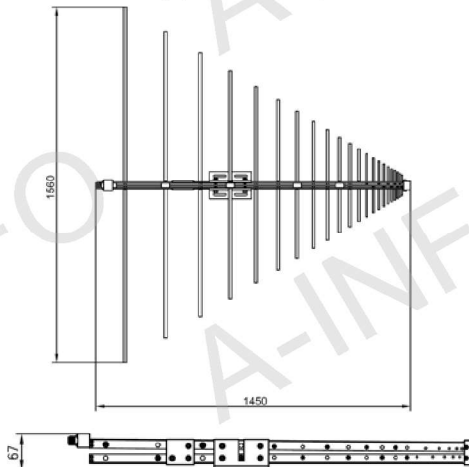
P/N: DS-1040



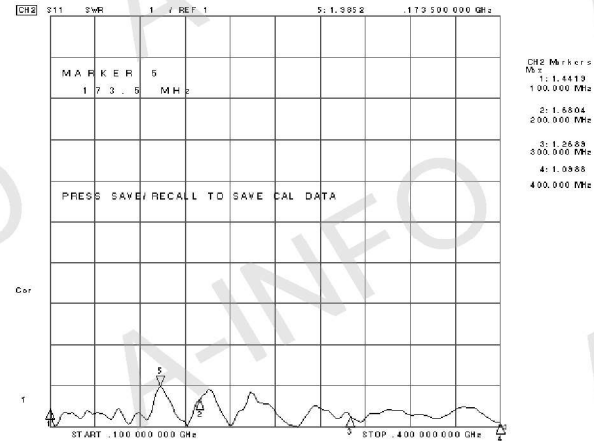
Technical Specification

Polarization	Linear
Frequency Range(MHz)	100-400
Gain(dB)	6 Typ.
VSWR	2:1 Max
Connector	N-Female
Size(mm)	1560 x 1450
Net Weight(Kg)	2.5 Around

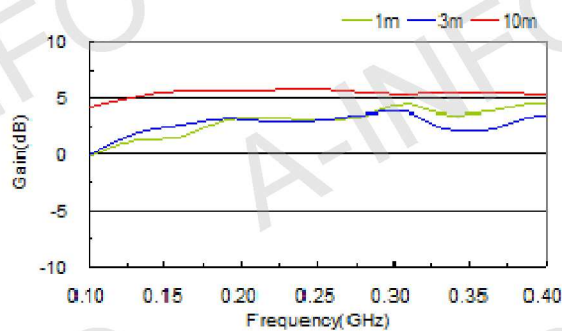
Outline Drawing(Size: mm)



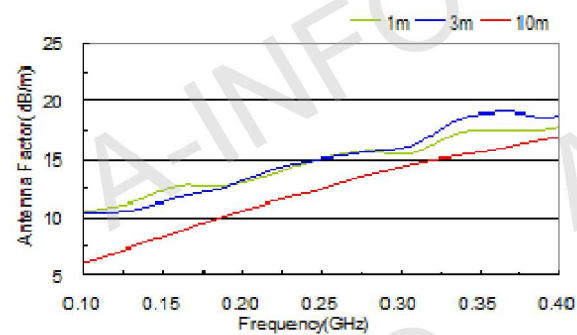
VSWR



Gain

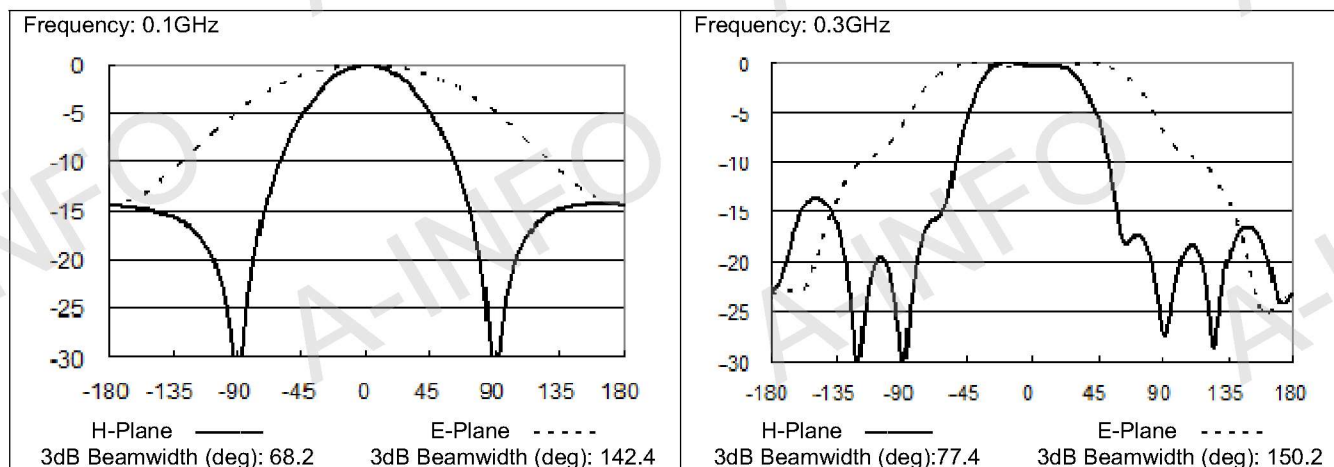


Antenna Factor



Log Periodic Antenna 100~400MHz(continued)

P/N: DS-1040

Pattern

Log Periodic Antenna 100~4000MHz

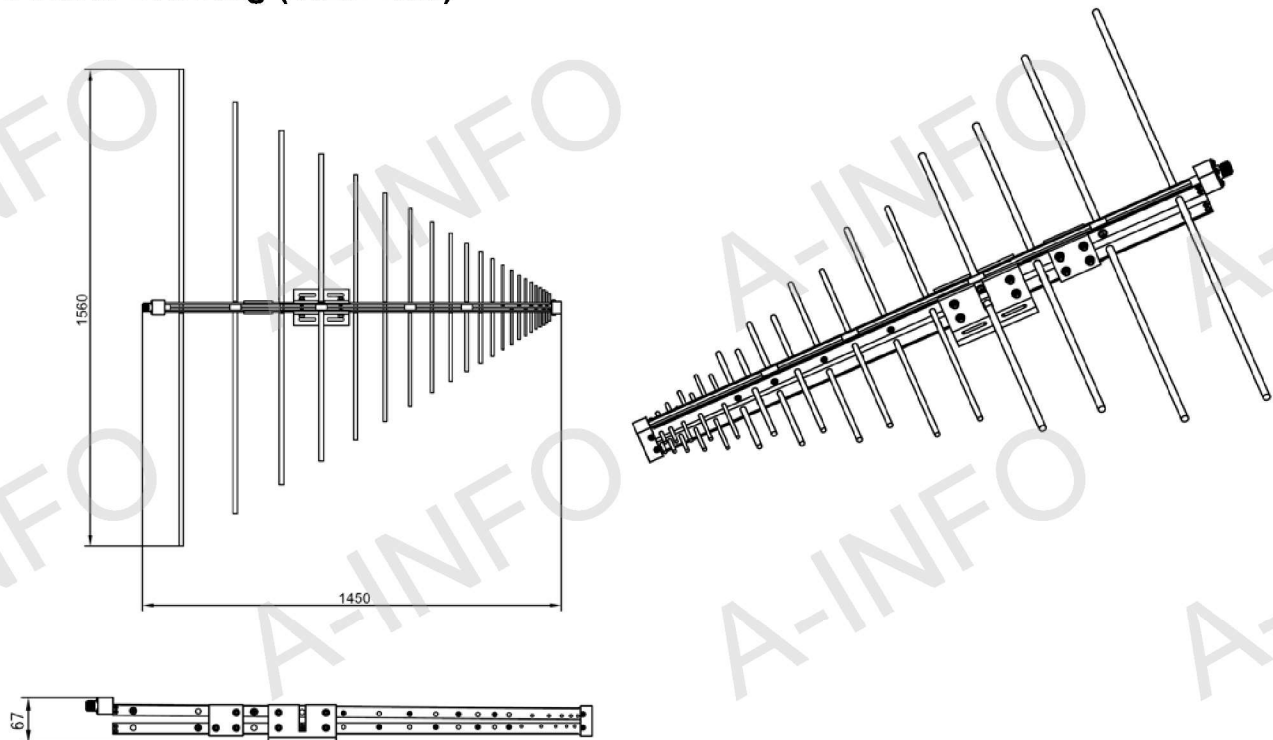
P/N: DS-10400



Technical Specification

Frequency Range(GHz)	0.1 - 4.0
Gain(dB)	6 Typ.
Polarization	Linear
VSWR	2.0 Typ.
Connector	N-Female
Size(mm)	1560 x 1450
Net Weight(Kg)	2.5 Around

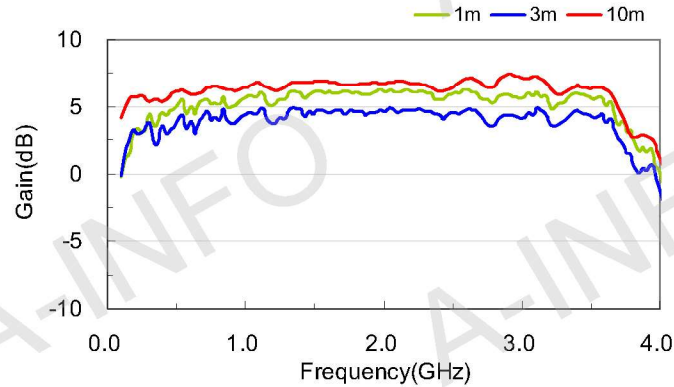
Outline Drawing (Size: mm)



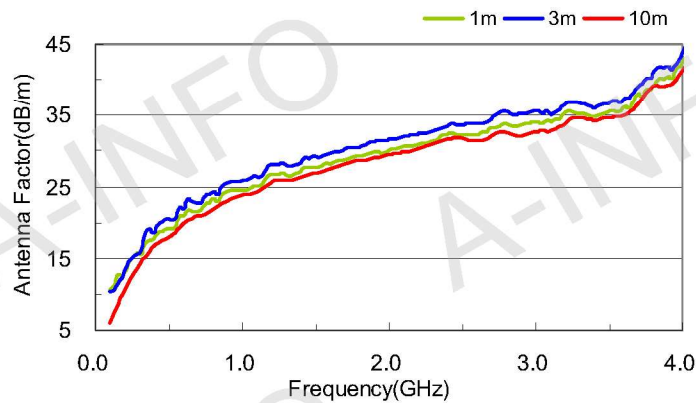
Log Periodic Antenna 100~4000MHz(continued)

P/N: DS-10400

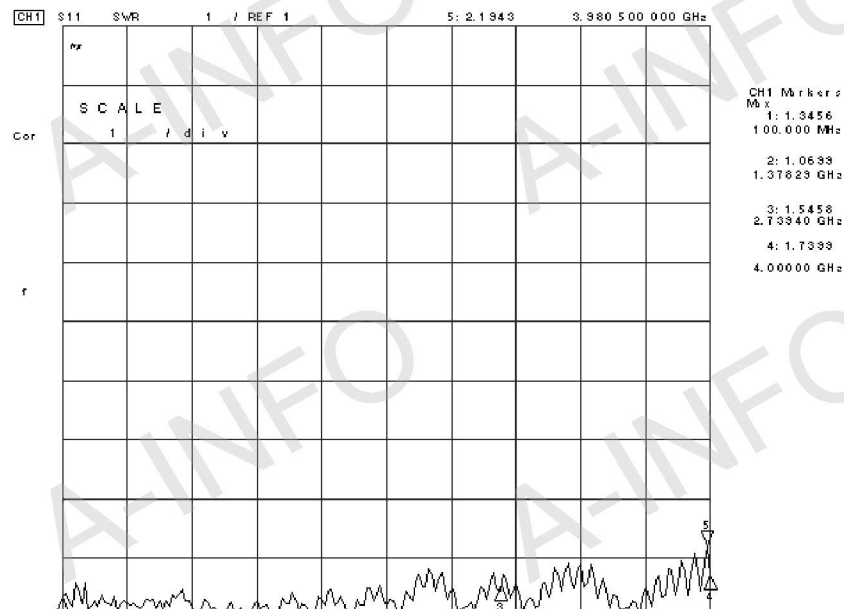
Gain



Antenna Factor



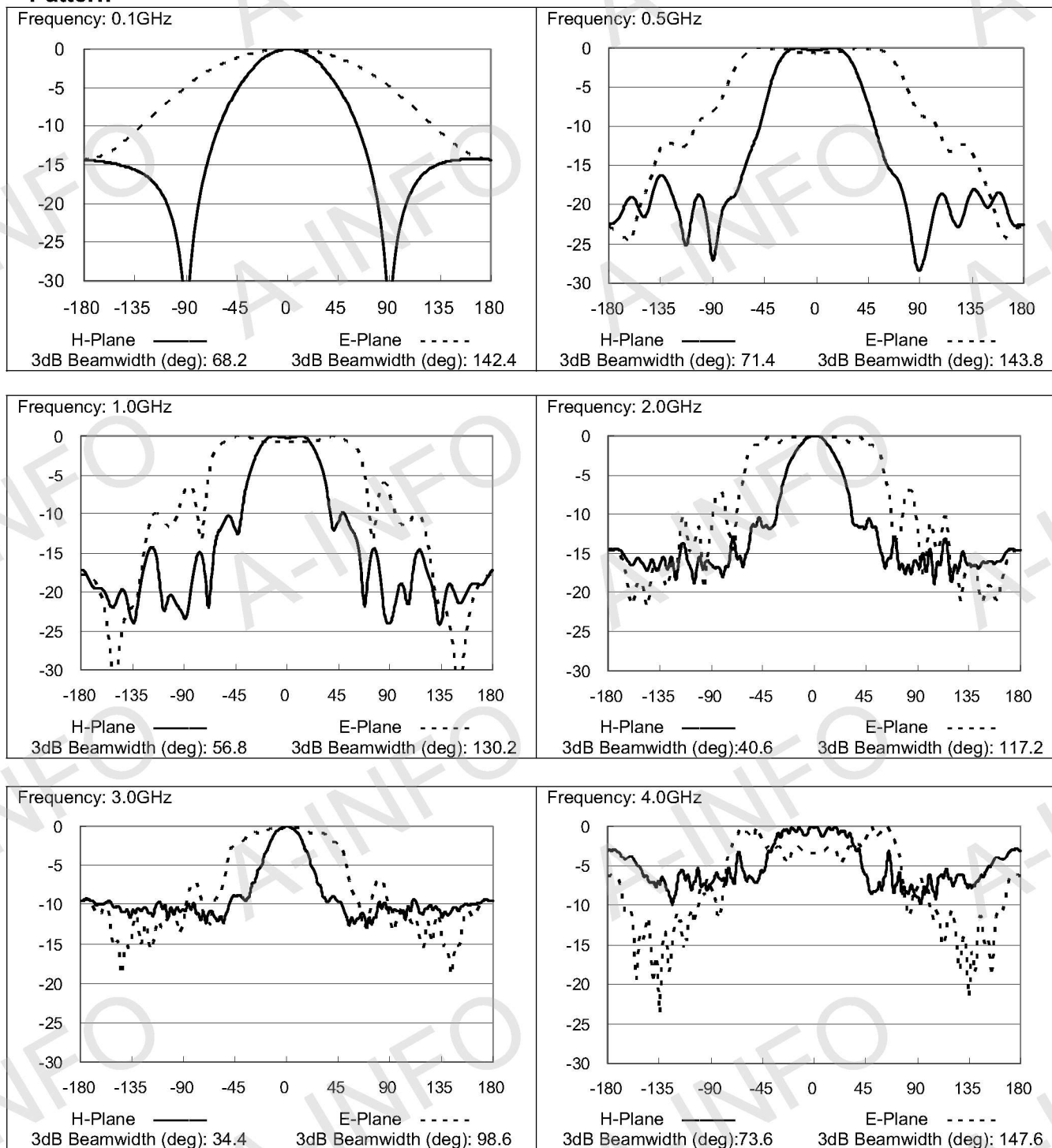
VSWR



Log Periodic Antenna 100~4000MHz(continued)

P/N: DS-10400

Pattern



Log Periodic Antenna 180~3000MHz

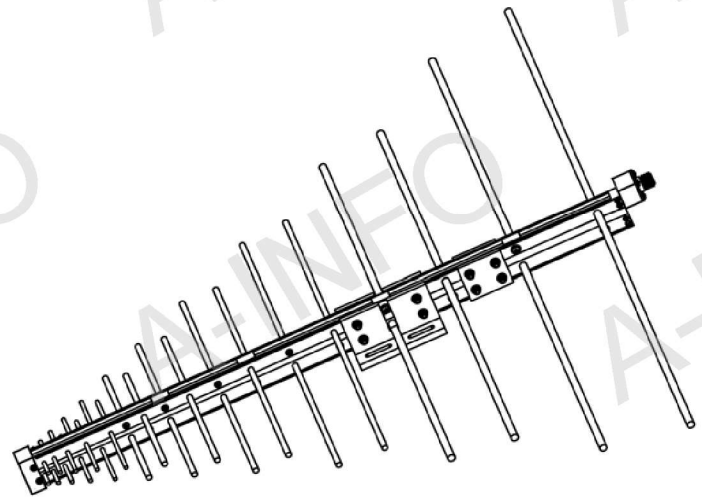
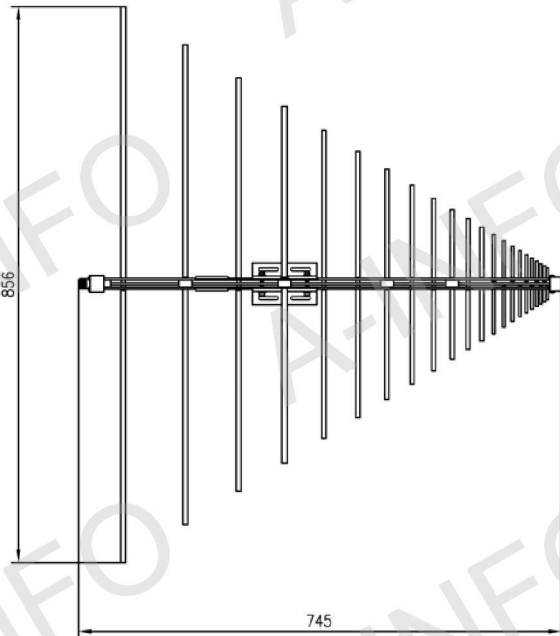
P/N: DS-18300



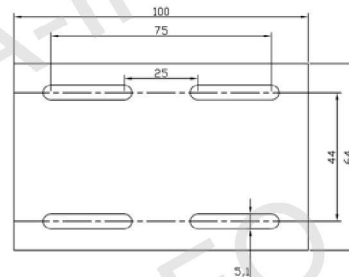
Technical Specification

Polarization	Linear
Frequency(MHz)	180-3000
Gain(dB)	6 Typ.
VSWR	2.0 Typ.
Connector	N-F
Size(mm)	856 x 745
Net Weigth(Kg)	1.0 Around

Outline Drawing(Size: mm)



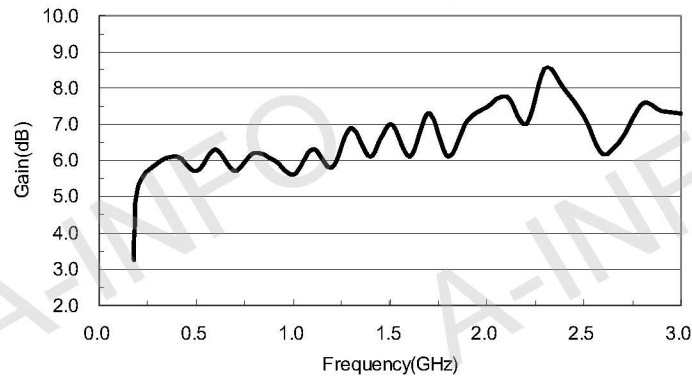
Mounting Plates



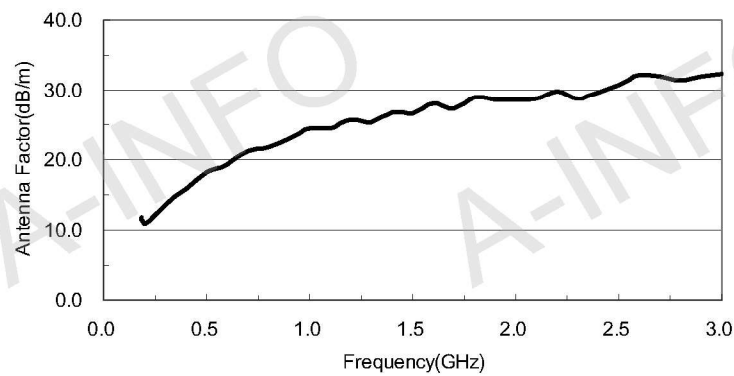
Log Periodic Antenna 180~3000MHz(continued)

P/N: DS-18300

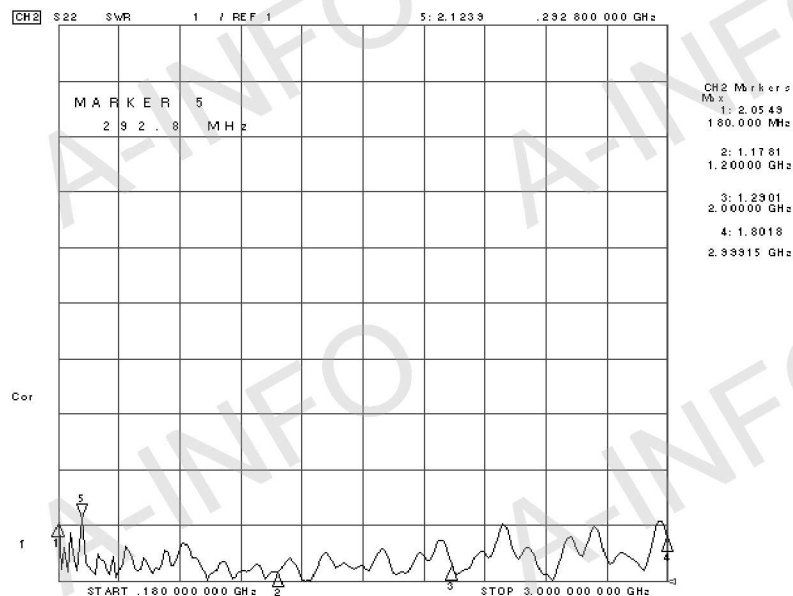
Gain



Antenna Factor



VSWR

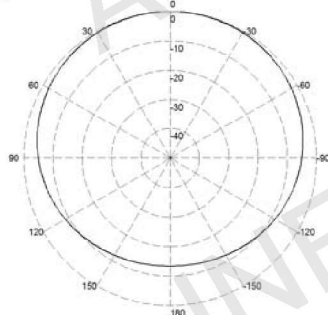


Log Periodic Antenna 180~3000MHz(continued)

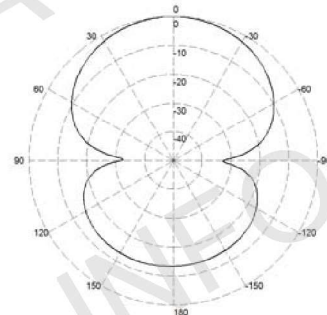
P/N: DS-18300

Pattern

Frequency: 0.18GHz

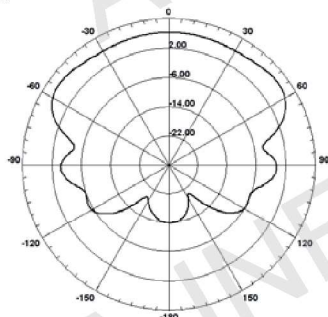


E -Plane

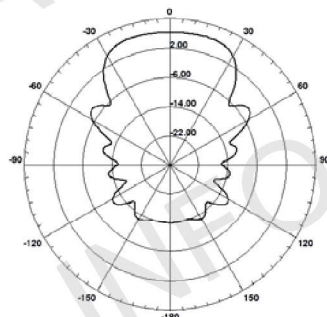


H -Plane

Frequency: 1.0GHz

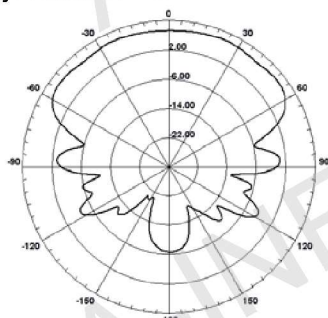


E -Plane

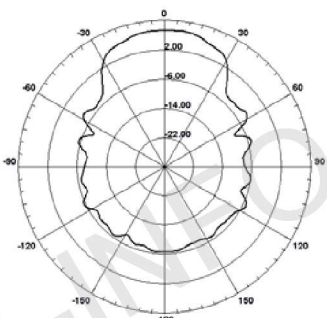


H -Plane

Frequency: 2.0GHz

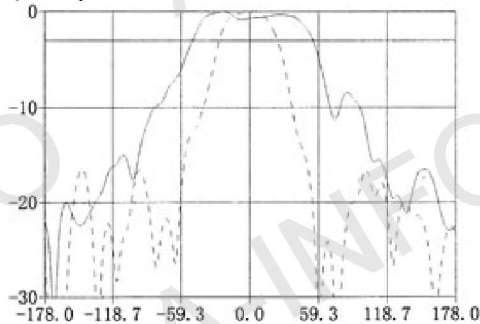


E -Plane

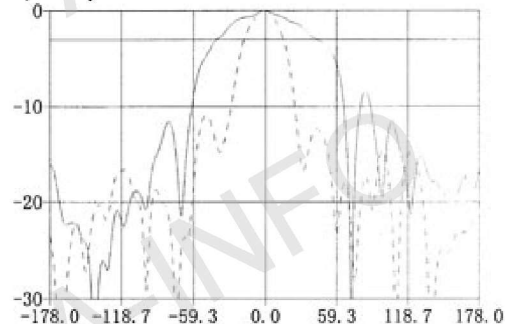


H -Plane

Frequency: 2.5GHz



Frequency: 3.0GHz



Log Periodic Antenna 200~2000MHz

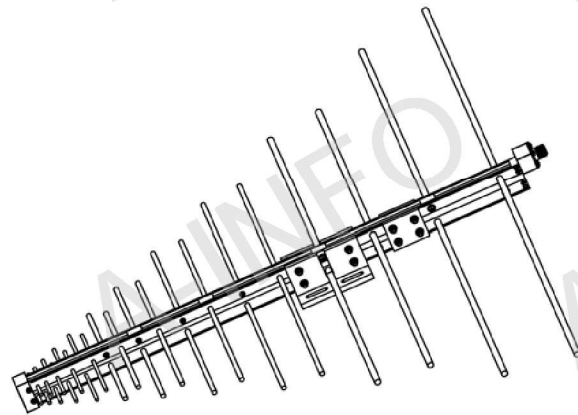
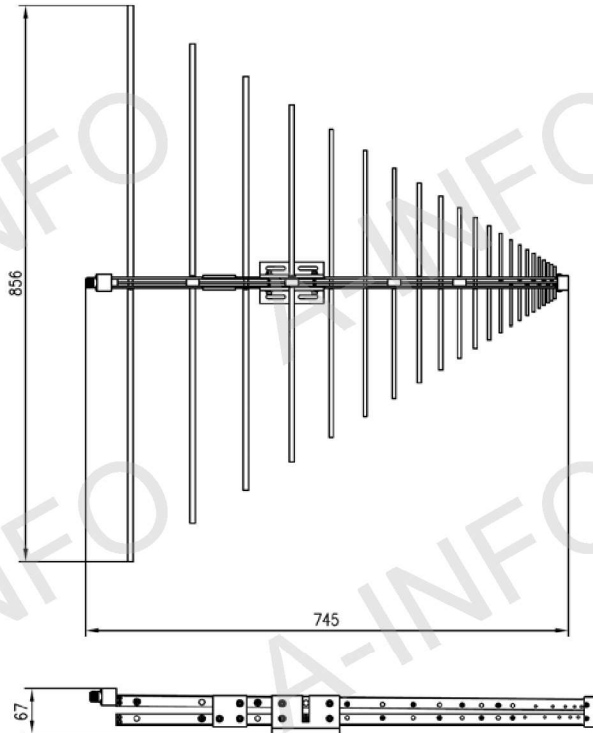
P/N: DS-20200



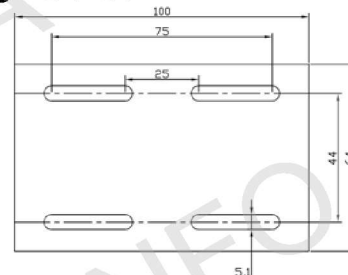
Technical Specification

Frequency Range(MHz)	200-2000
Gain(dB)	6 Typ.
Polarization	Linear
VSWR	2.0 :1Typ.
Connector	N-Female
Size(mm)	856 x 745
Net Weight(Kg)	1.0 Around

Outline Drawing(Size: mm)



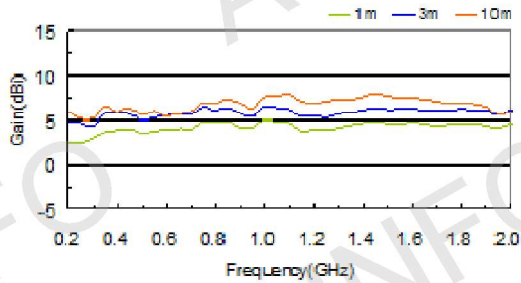
Mounting Bracket



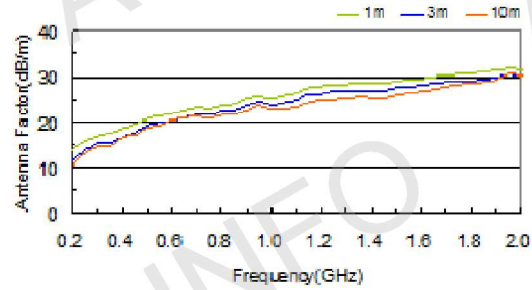
Log Periodic Antenna 200~2000MHz(continued)

P/N: DS-20200

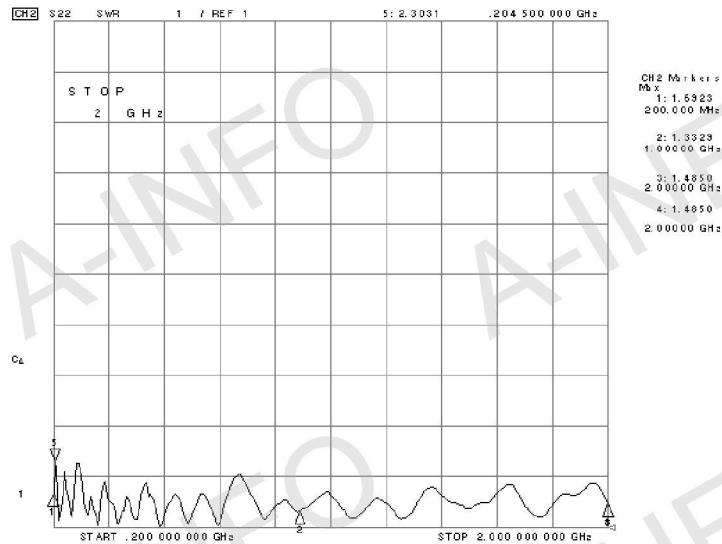
Gain



Antenna Factor



VSWR

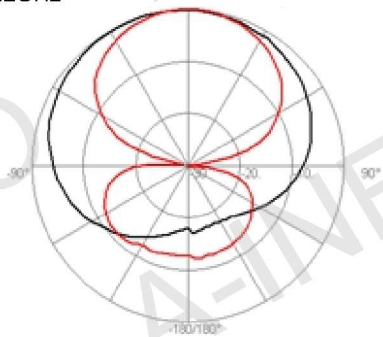


Log Periodic Antenna 200~2000MHz(continued)

P/N: DS-20200

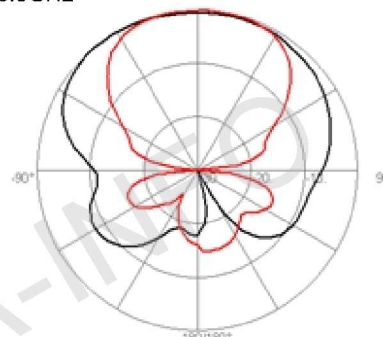
Pattern

Frequency: 0.2GHz



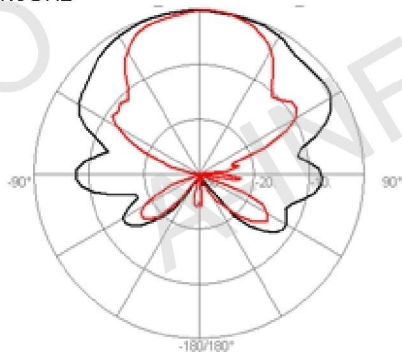
H-Plane — 3dB Beamwidth(deg): 69.12
E-Plane — 3dB Beamwidth(deg): 134.51

Frequency: 0.5GHz



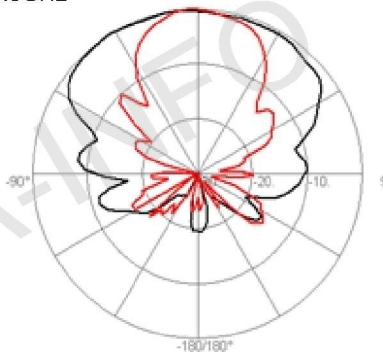
H-Plane — 3dB Beamwidth(deg): 75.51
E-Plane — 3dB Beamwidth(deg): 132.97

Frequency: 1.0GHz



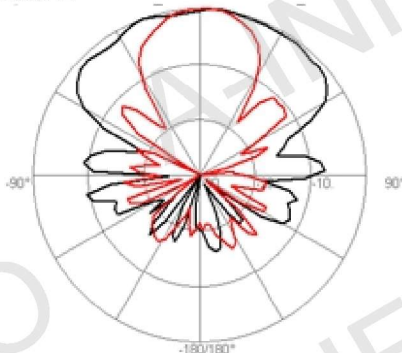
H-Plane — 3dB Beamwidth(deg): 55.01
E-Plane — 3dB Beamwidth(deg): 108.94

Frequency: 1.5GHz



H-Plane — 3dB Beamwidth(deg): 45.56
E-Plane — 3dB Beamwidth(deg): 116.34

Frequency: 2.0GHz



H-Plane — 3dB Beamwidth(deg): 39.81
E-Plane — 3dB Beamwidth(deg): 111.67

Log Periodic Antenna 250~3000MHz, High Gain

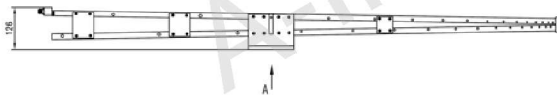
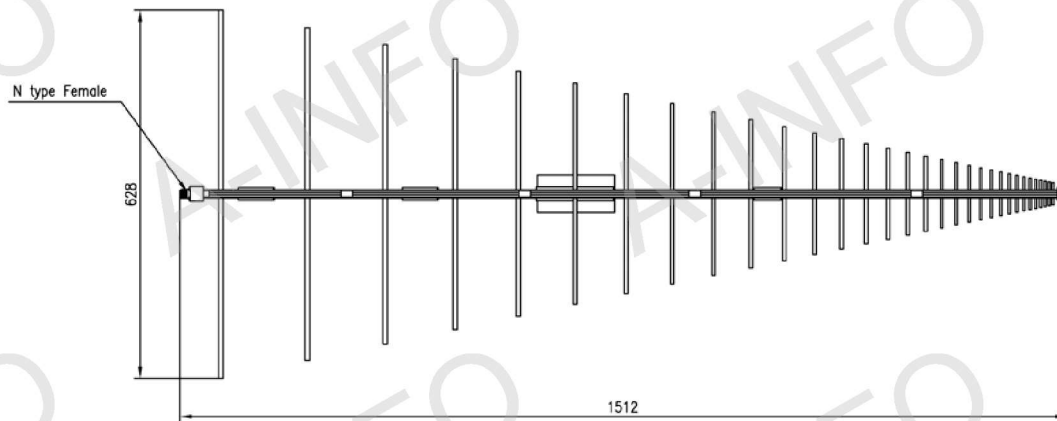
P/N: DS-25300-H



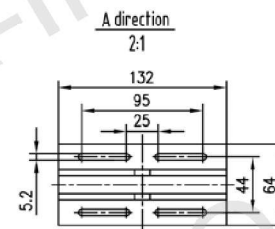
Technical Specification

Polarization	Linear
Frequency Range(MHz)	250-3000
Gain(dB)	8.5 Typ.
VSWR	2.0 Typ
Connector	N-Female
Size(mm)	628x1512x126
Net Weight(Kg)	2.0 Around

Outline Drawing(Size: mm)



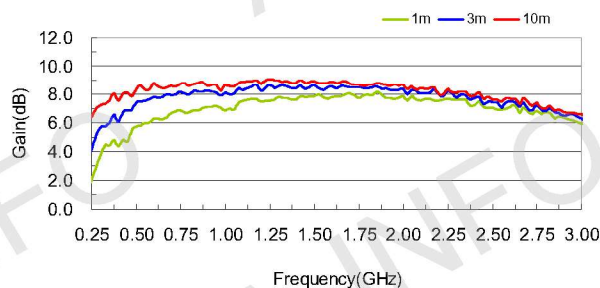
Mounting Bracket



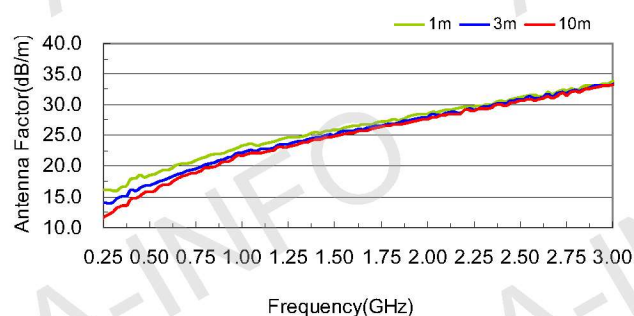
Log Periodic Antenna 250~3000MHz, High Gain (continued)

P/N: DS-25300-H

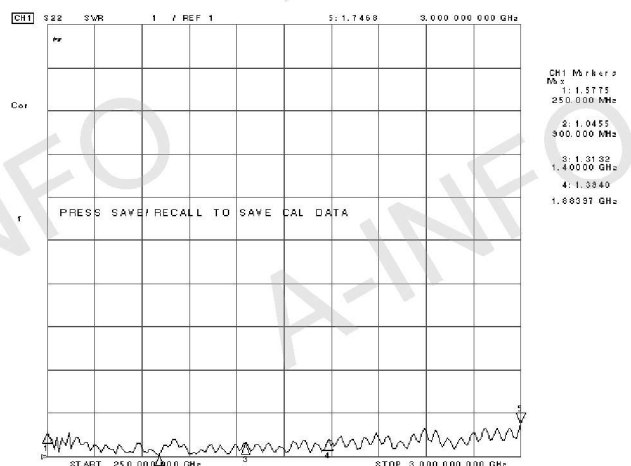
Gain



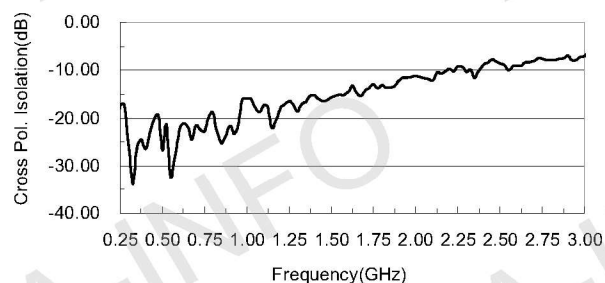
Antenna Factor



VSWR

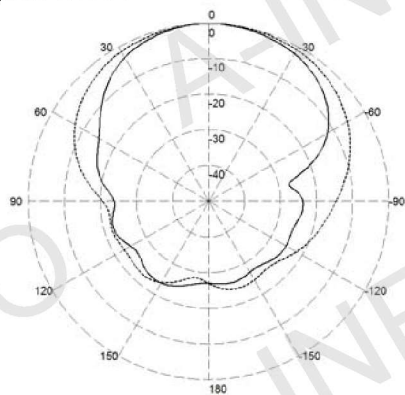


Cross Polarization Isolation



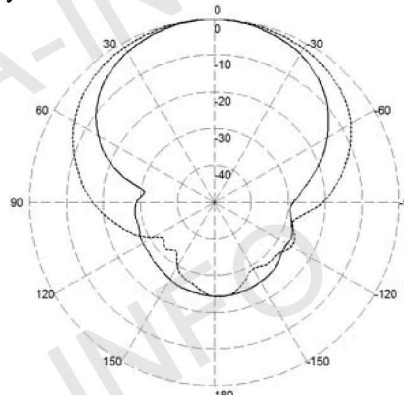
Pattern

Frequency: 0.25GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 62 3dB Beamwidth (deg): 89

Frequency: 0.5GHz

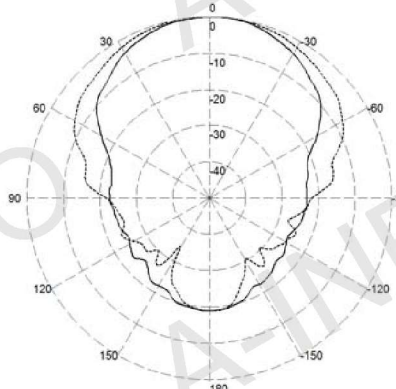


H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 59 3dB Beamwidth (deg): 86

Log Periodic Antenna 250~3000MHz, High Gain (continued)

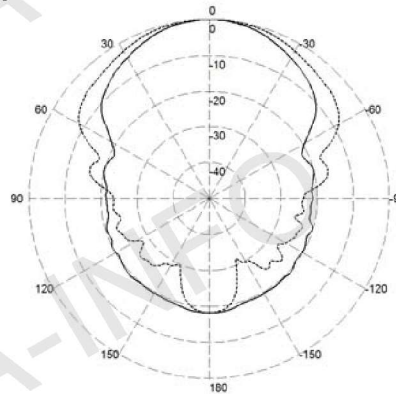
P/N: DS-25300-H

Frequency: 1.0GHz



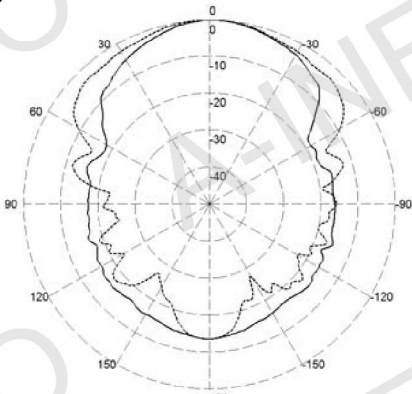
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 53 3dB Beamwidth (deg): 73

Frequency: 1.5GHz



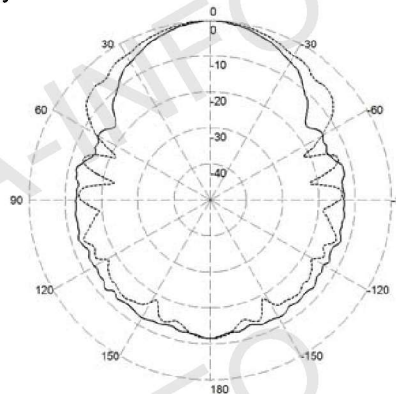
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 47 3dB Beamwidth (deg): 66

Frequency: 2.0GHz



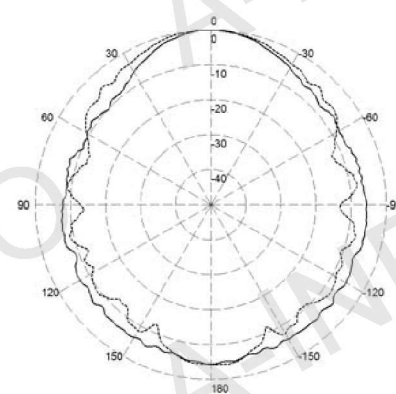
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 48 3dB Beamwidth (deg): 71

Frequency: 2.5GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 40 3dB Beamwidth (deg): 51

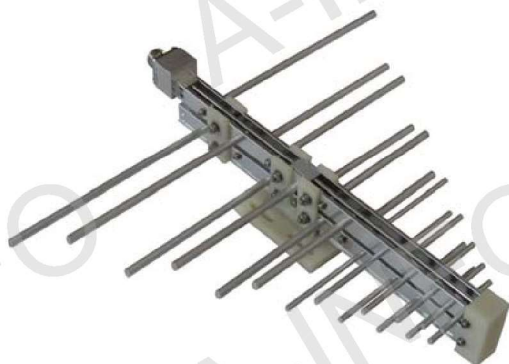
Frequency: 3.0GHz



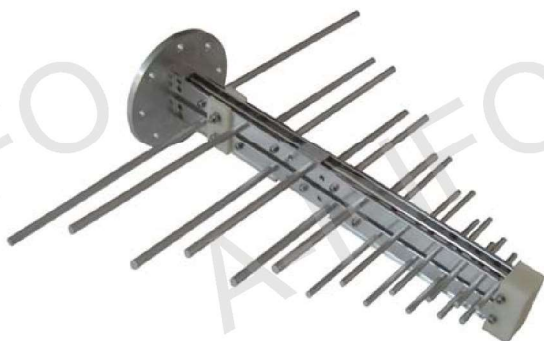
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 42 3dB Beamwidth (deg): 54

Log Periodic Antenna 400~3000MHz

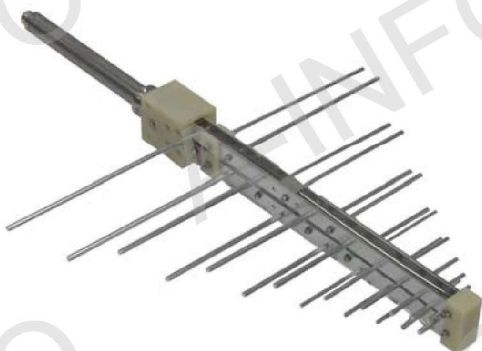
P/N: DS-40300



P/N: DS-40300



P/N: DS-40300



Technical Specification

Frequency Range(GHz)	0.4 - 3.0
Gain(dB)	6.0 Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ. 2.5 Max
Output	N-Female
Size(mm)	410.4 x 382
Net Weight(Kg)	0.6 Around

Technical Specification

Frequency Range(GHz)	0.4 - 3.0
Gain(dB)	6.0 Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ. 2.5 Max
Output	N-Female
Size(mm)	410.4 x 374
Net Weight(Kg)	0.6 Around

Technical Specification

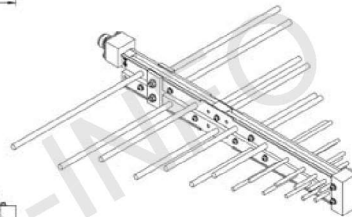
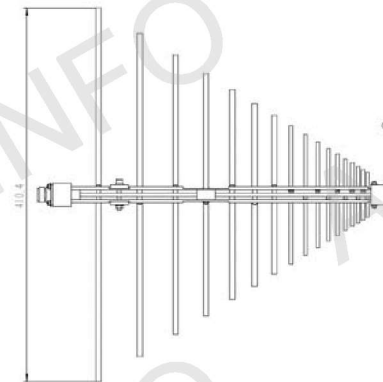
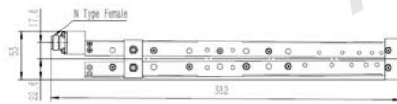
Frequency Range(GHz)	0.4 - 3.0
Gain(dB)	6.0 Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ. 2.5 Max
Output	N-Female
Size(mm)	410.4 x 594
Net Weight(Kg)	0.85 Around

Log Periodic Antenna 400~3000MHz(continued)

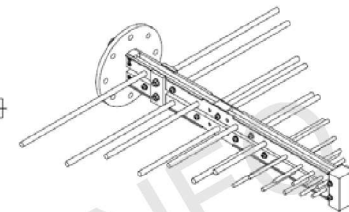
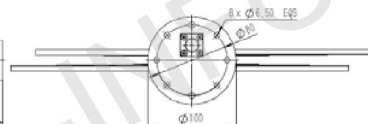
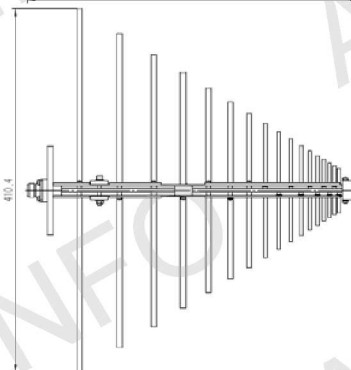
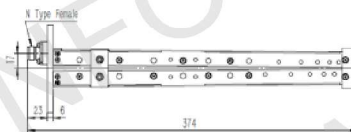
P/N: DS-40300

Outline Drawing(Size: mm)

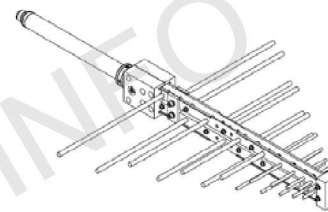
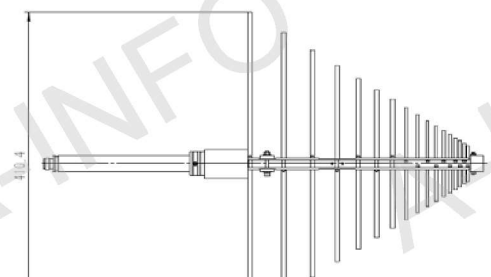
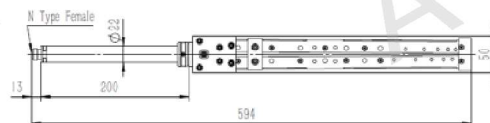
DS-40300



DS-40300C



DS-40300E

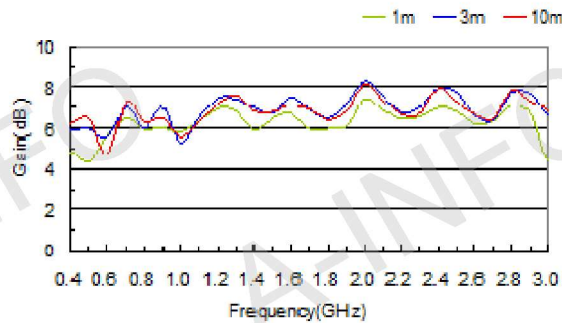


Log Periodic Antenna 400~3000MHz(continued)

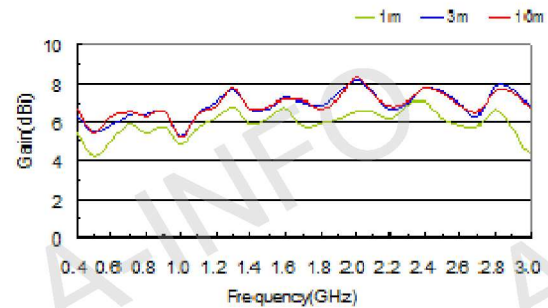
P/N: DS-40300

Gain

Horizontal Pol.

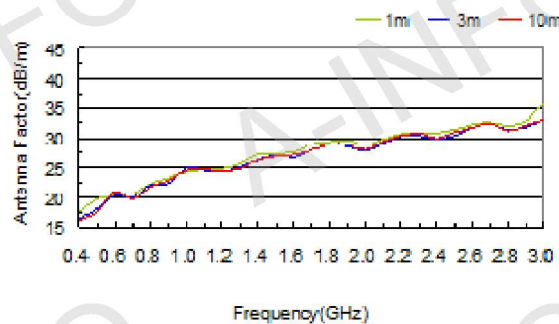


Vertical Pol.

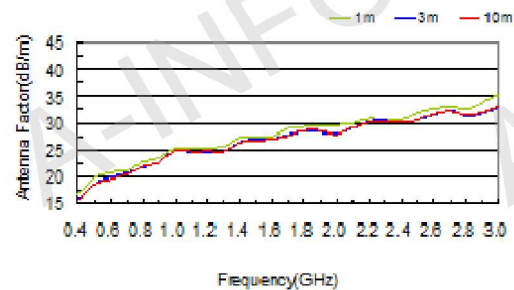


Antenna Factor

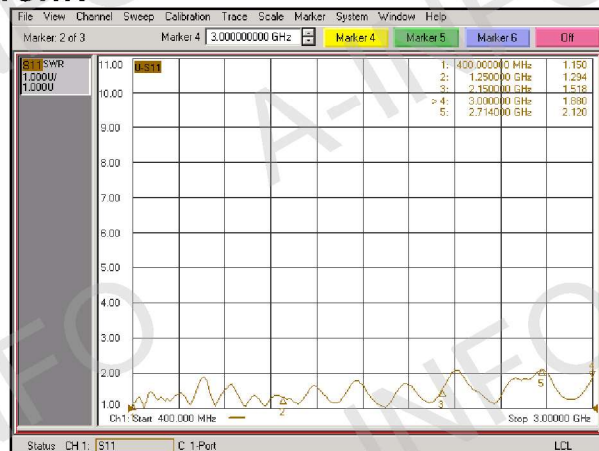
Horizontal Pol.



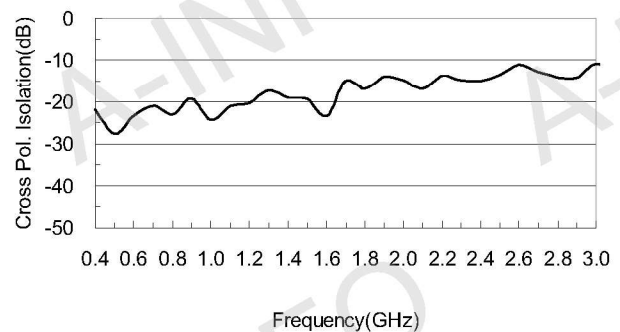
Vertical Pol.



VSWR



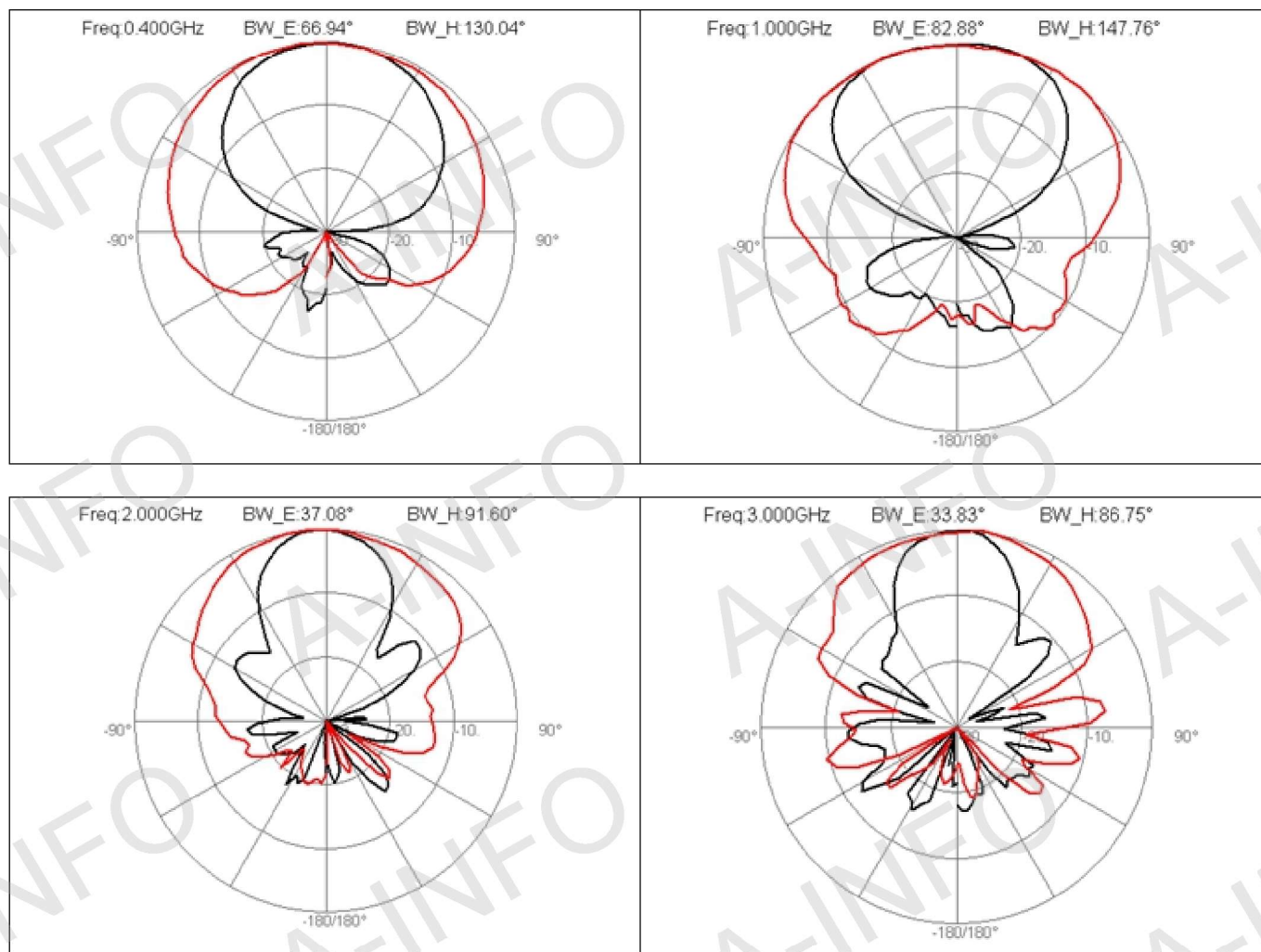
Cross Polarization Isolation



Log Periodic Antenna 400~3000MHz(continued)

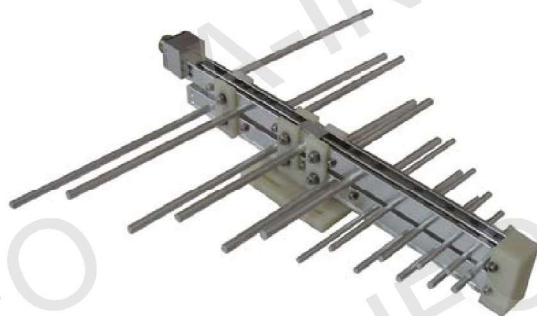
P/N: DS-40300

Pattern



Log Periodic Antenna 500~3000MHz

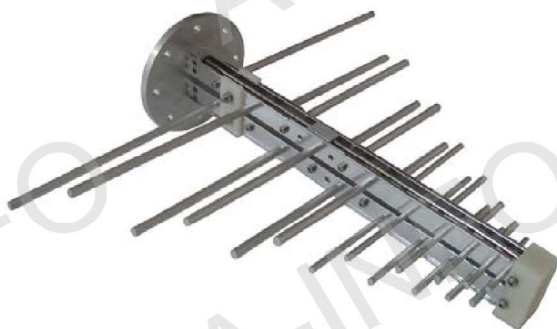
P/N: DS-50300



Technical Specification

Frequency Range(MHz)	0.5-3.0
Gain(dB)	7.0Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ 2.5 Max
Connector	N-Female
Size(mm)	355 x 337
Net Weight(Kg)	0.5 Around

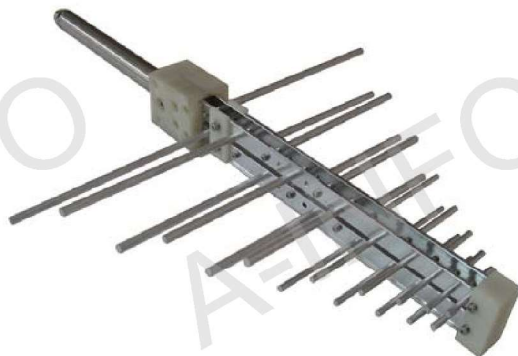
P/N: DS-50300C



Technical Specification

Frequency Range(MHz)	0.5-3.0
Gain(dB)	7.0Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ 2.5 Max
Connector	N-Female
Size(mm)	355 x 329
Net Weight(Kg)	0.6 Around

P/N: DS-50300E



Technical Specification

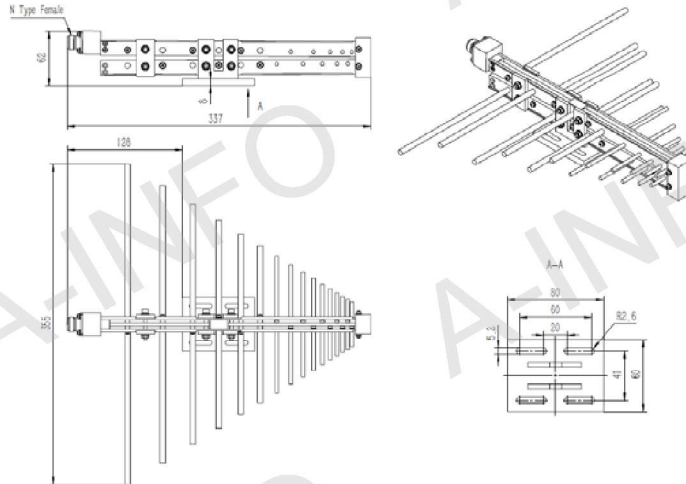
Frequency Range(MHz)	0.5-3.0
Gain(dB)	7.0Typ.
Polarization	Linear
3dB Beamwidth(deg)	140-30
VSWR	1.5 Typ 2.5 Max
Connector	N-Female
Size(mm)	355 x 550
Net Weight(Kg)	0.7 Around

Log Periodic Antenna 500~3000MHz(continued)

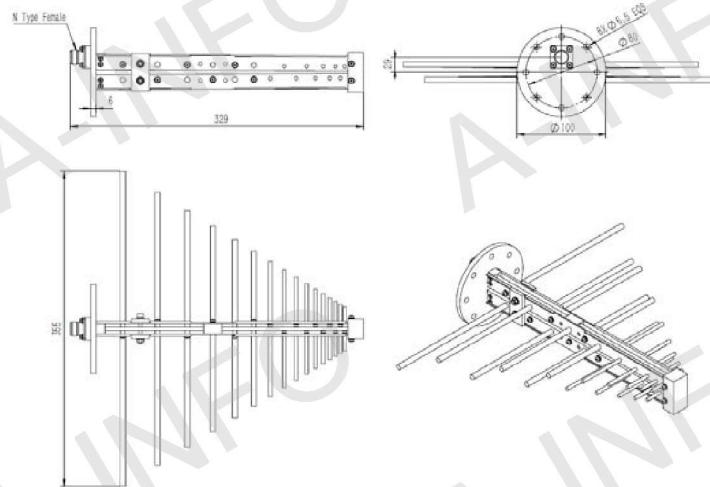
P/N: DS-50300

Outline Drawing (Size: mm)

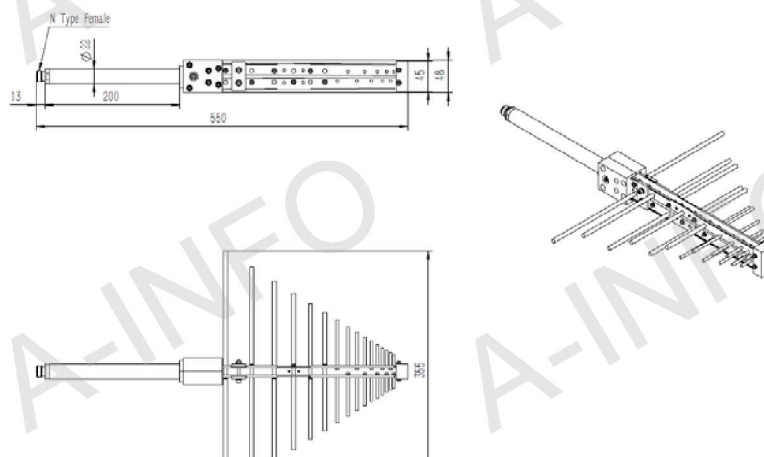
DS-50300 with Mounting Bracket



DS-50300C



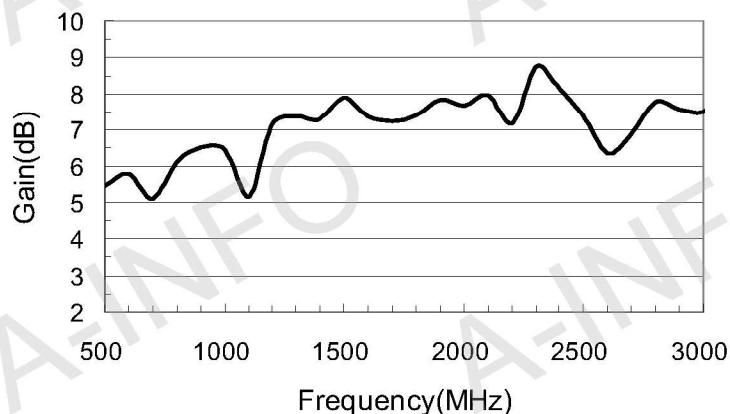
DS-50300E



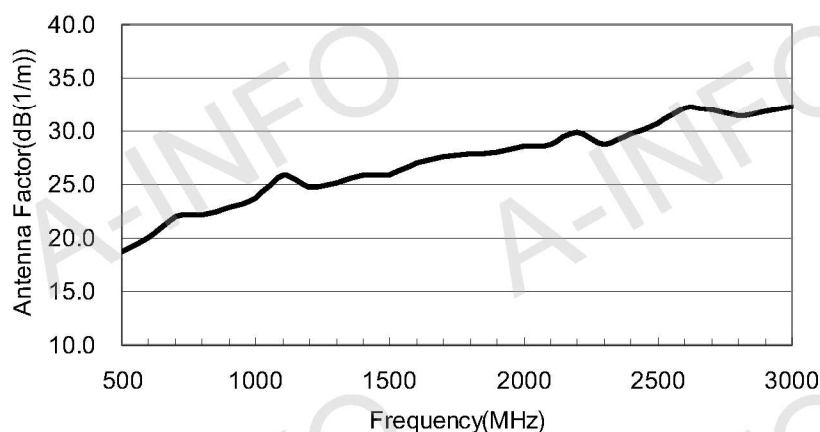
Log Periodic Antenna 500~3000MHz(continued)

P/N: DS-50300

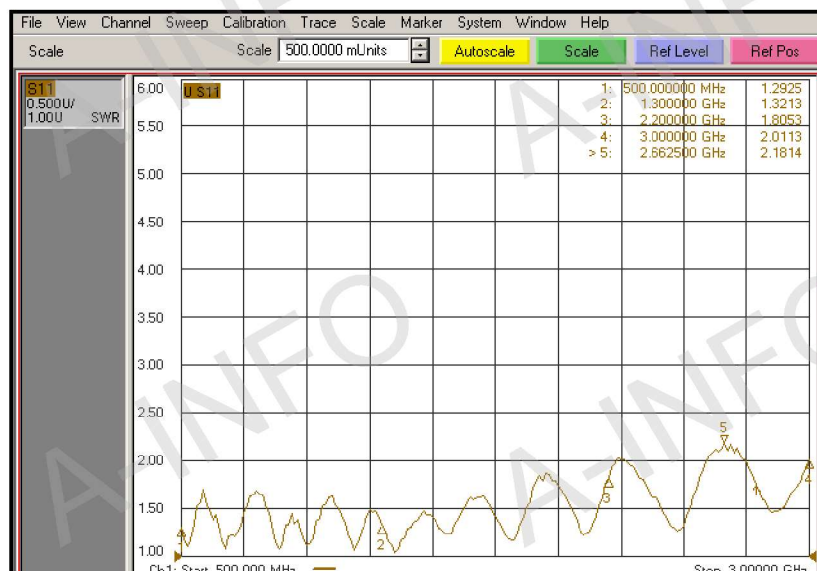
Gain



Antenna Factor



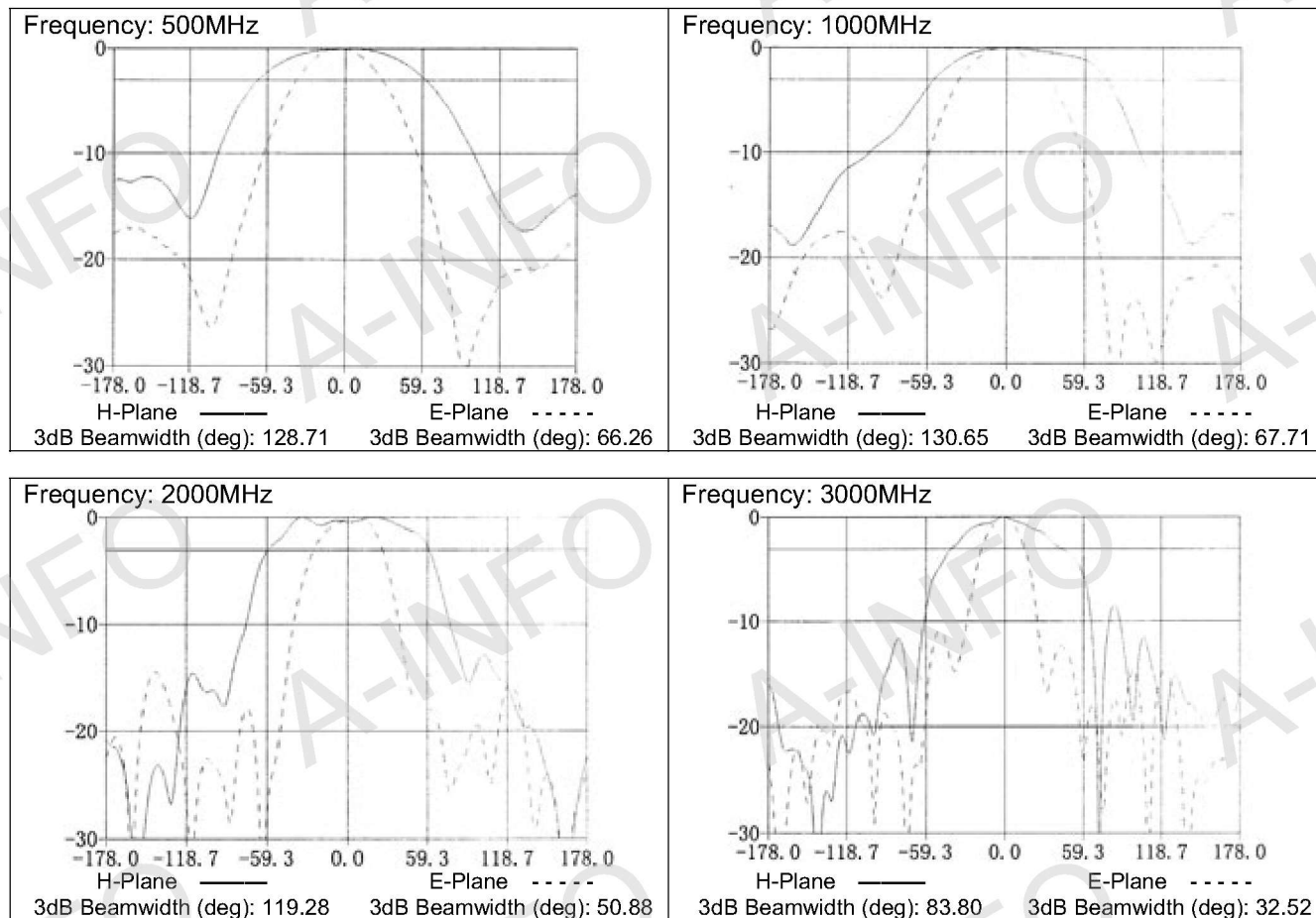
VSWR



Log Periodic Antenna 500~3000MHz(continued)

P/N: DS-50300

Pattern



Dual Pol. Log Periodic Antenna 200~4000MHz

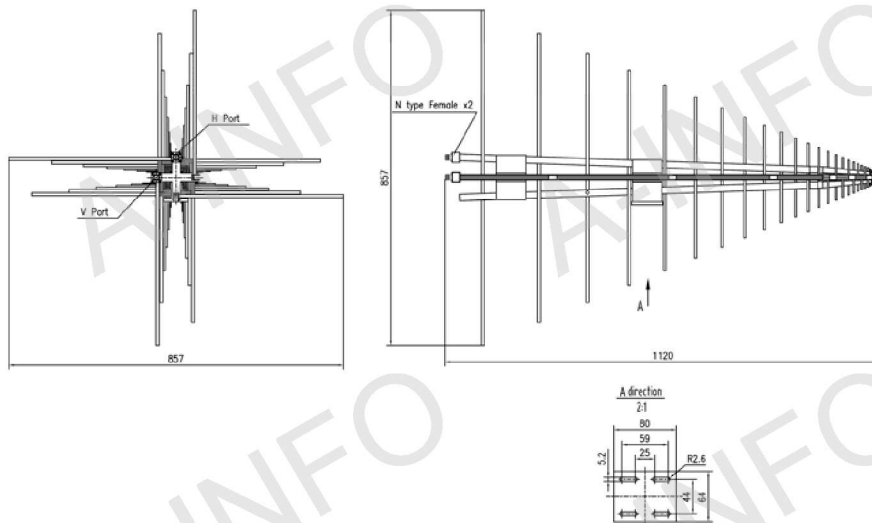
P/N: DS-SJ-20400



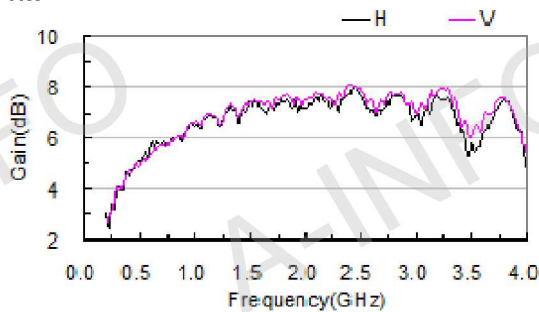
Technical Specification

Frequency Range(GHz)	0.2 - 4.0
Gain(dB)	7.0 Typ.
Polarization	Dual Pol.
VSWR	2.0 Typ.
Connector	N-Female
Size(mm)	857 x 857 x1120
Net Weight(Kg)	4.0 Around

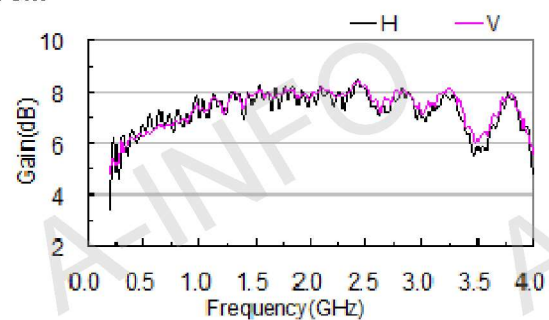
Outline Drawing(Size: mm)



Gain
At 1m



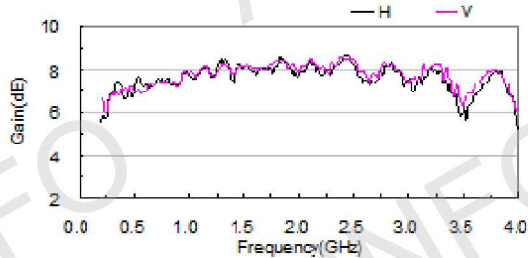
Gain
At 3m



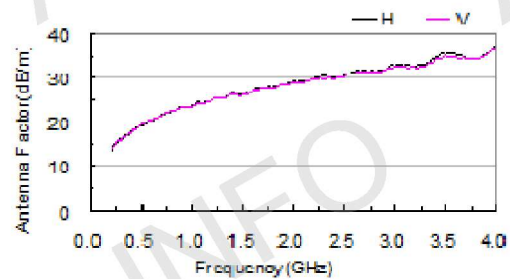
Dual Pol. Log Periodic Antenna 200~4000MHz(continued)

P/N: DS-SJ-20400

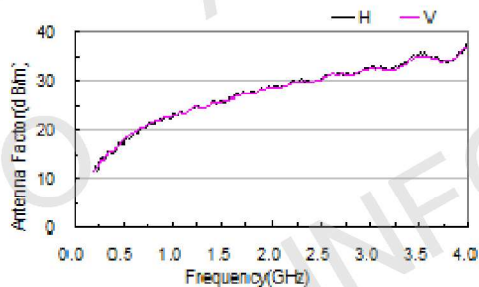
**Gain
At 10m**



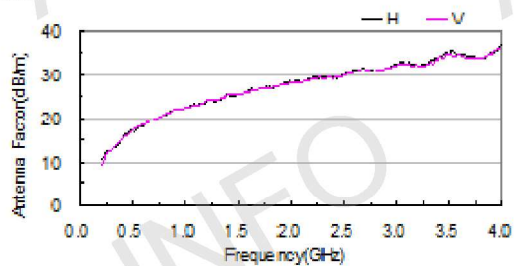
**Antenna Factor
At 1m**



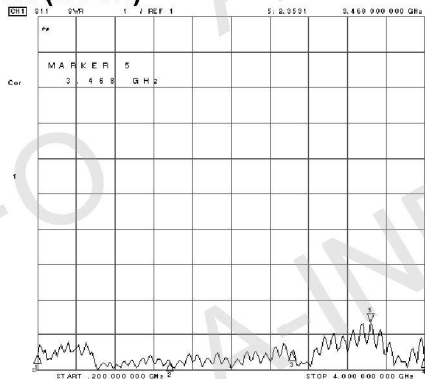
**Antenna Factor
At 3m**



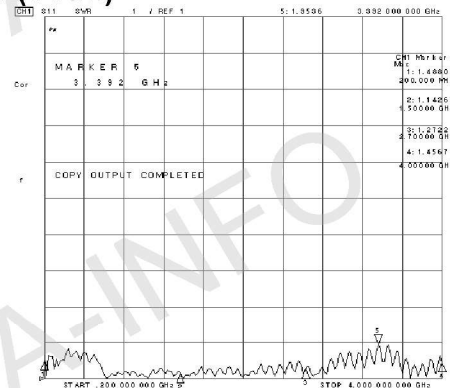
**Antenna Factor
At 10m**



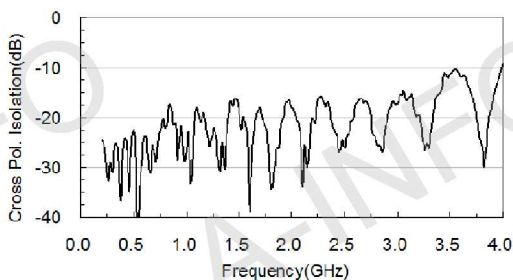
VSWR (H Port)



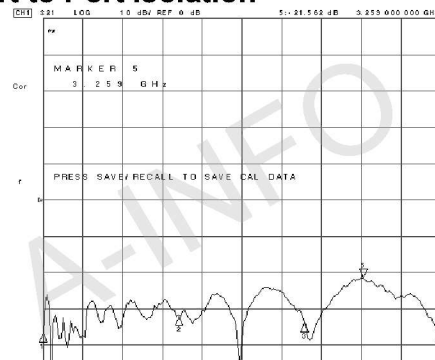
VSWR (V Port)



Cross Polarization Isolation



Port to Port Isolation

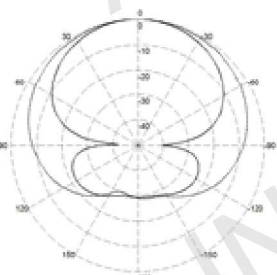


Dual Pol. Log Periodic Antenna 200~4000MHz(continued)

P/N: DS-SJ-20400

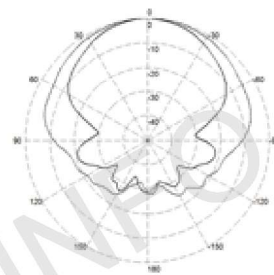
Pattern

Frequency: 0.2GHz



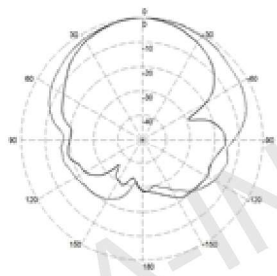
H-Plane ——— 3dB Beamwidth (deg): 66
E-Plane - - - - - 3dB Beamwidth (deg): 116

Frequency: 1.0GHz



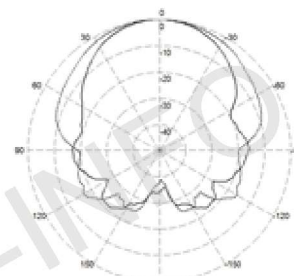
H-Plane ——— 3dB Beamwidth (deg): 52
E-Plane - - - - - 3dB Beamwidth (deg): 89

Frequency: 2.0GHz



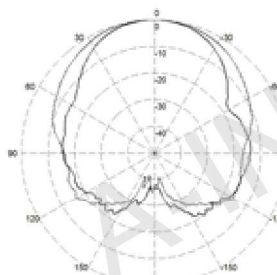
H-Plane ——— 3dB Beamwidth (deg): 53
E-Plane - - - - - 3dB Beamwidth (deg): 88

Frequency: 3.0GHz



H-Plane ——— 3dB Beamwidth (deg): 49
E-Plane - - - - - 3dB Beamwidth (deg): 73

Frequency: 4.0GHz



H-Plane ——— 3dB Beamwidth (deg): 49
E-Plane - - - - - 3dB Beamwidth (deg): 70

Discone-Type Antenna



PZ series discone antenna is a kind of broadband omni-directional linearly polarized antenna. Our discone antenna is designed to transmit and receive signal. Its Typical gain is 1dB on the greatest radiation direction. By adding a LNA, it can be used as an active antenna, and the gain can be increased to larger than 10dB, but it is changed to a received only antenna.

Also we provide specific frequency Discone-Type antennas according to customers' requirement.

For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Discone-type Antenna and download.

Model	Frequency(MHz)	VSWR Typ.	Power (W) CW	Connector	Size (mm) (Φ x H)
PZ-350/P	30-500	2.5:1	300	N-Female	3071x3306
PZ-450/P	40-500	2.5:1	300	N-Female	2289x2377
PZ-7100/P	70-1000	2.0:1	200	N-Female	1340x1163
PZ-850/P	80-500	2.0:1	300	N-Female	1247x1163
PZ-1040/P	100-400	2.0:1	300	N-Female	1247x1163
PZ-2040/P	200-400	2.5:1	300	N-Female	-
PZ-25100/P	250-1000	2.0:1	300	N-Female	423x361
PZ-80200/P	800-2000	2.5:1	200	N-Female	155 x 140
PZ-100800/P	1000-8000	2.0:1	80	SMA-Female	110 x 71
PZ-1001200/P	1000-12000	2.0:1	80	SMA-Female	110 x 71
PZ-1001800/P	1000-18000	2.0:1	80	SMA-Female	110 x 71
PZ-8001800/P	8000-18000	2.5:1	80	SMA-Female	45 x 60

Discone-Type Antenna 40~500MHz

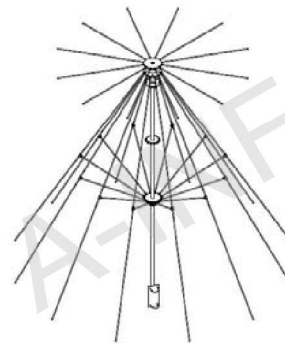
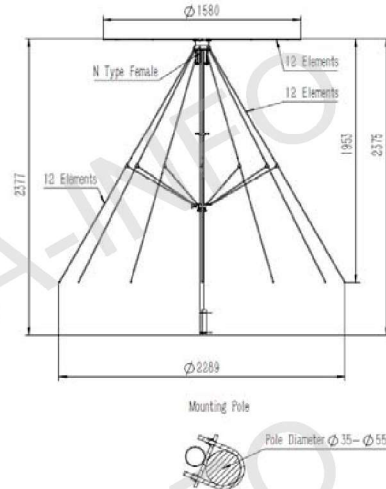
P/N: PZ-450/P



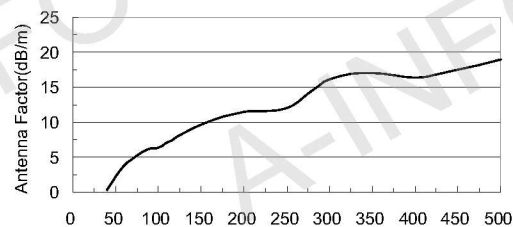
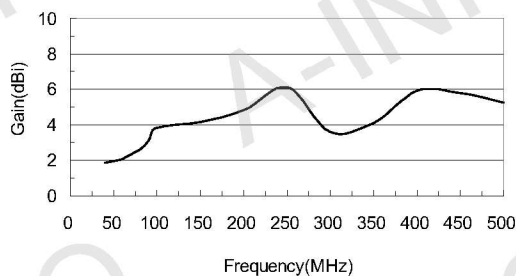
Technical Specification

Frequency(MHz)	40-500
Polarization	Linear
VSWR	2.5:1 Typ.
Power(W)	300 CW
Connector	N-Female
Size(mm) $\Phi \times H$	$\Phi 2289 \times 2377$
Net Weight	8.57Kg

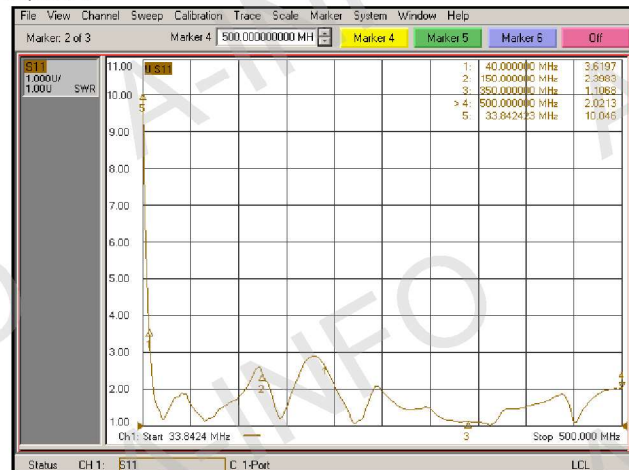
Outline Drawing (Size: mm)



Gain & Antenna Factor



VSWR

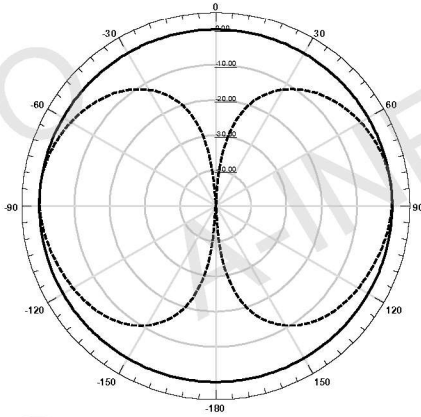


Discone-Type Antenna 40~500MHz(continued)

P/N: PZ-450/P

Pattern

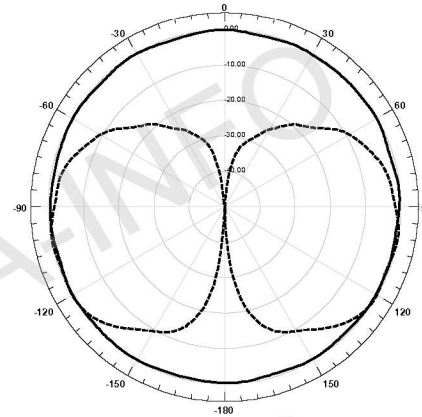
Frequency: 40MHz



H-Plane ———

E-Plane - - - - -

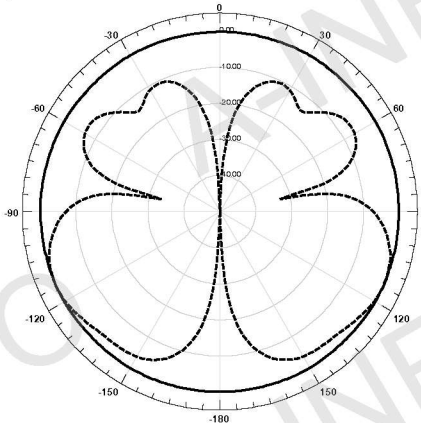
Frequency: 100MHz



H-Plane ———

E-Plane - - - - -

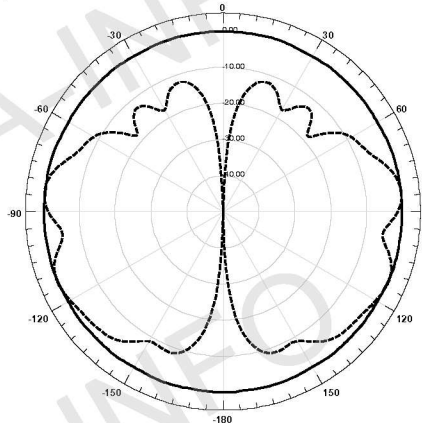
Frequency: 200MHz



H-Plane ———

E-Plane - - - - -

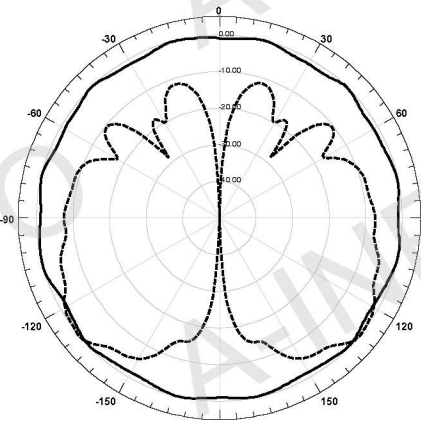
Frequency: 300MHz



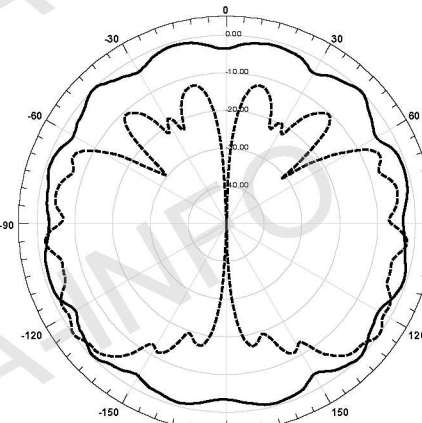
H-Plane ———

E-Plane - - - - -

Frequency: 400MHz



Frequency: 500MHz



Discone-Type Antenna 70~1000MHz

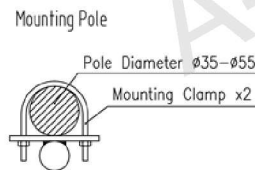
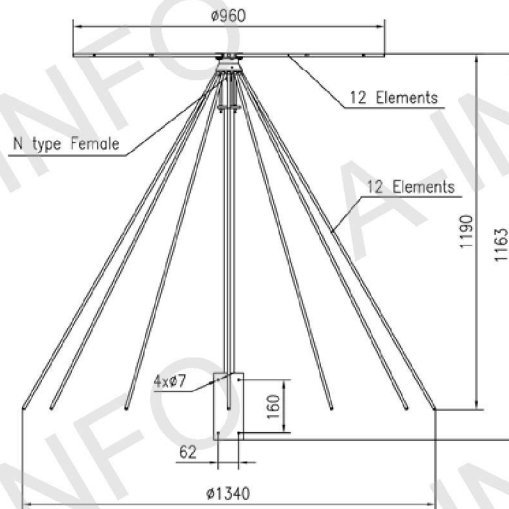
P/N: PZ-7100/P



Technical Specification

Frequency(MHz)	70-1000
Gain(dB)	3 Typ
Polarization	Linear
VSWR	2.0:1 Typ.
Power(W)	300 CW
Connector	N-Female
Size(mm) $\Phi \times H$	$\Phi 1340 \times 1163$
Net Weight(Kg)	3.5 Around

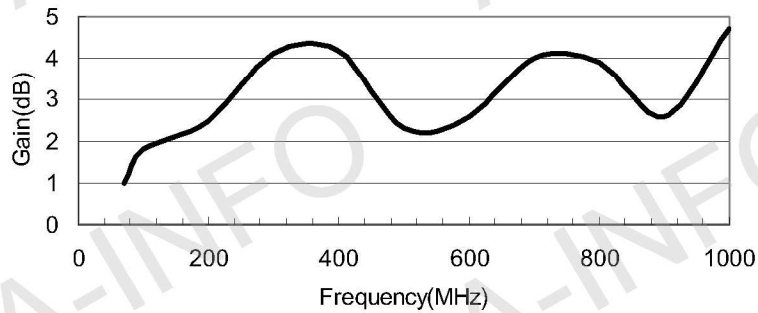
Outline Drawing (Size: mm)



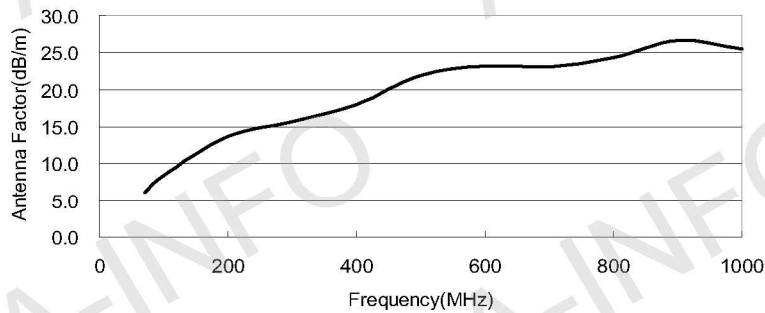
Discone-Type Antenna 70~1000MHz(continued)

P/N: PZ-7100/P

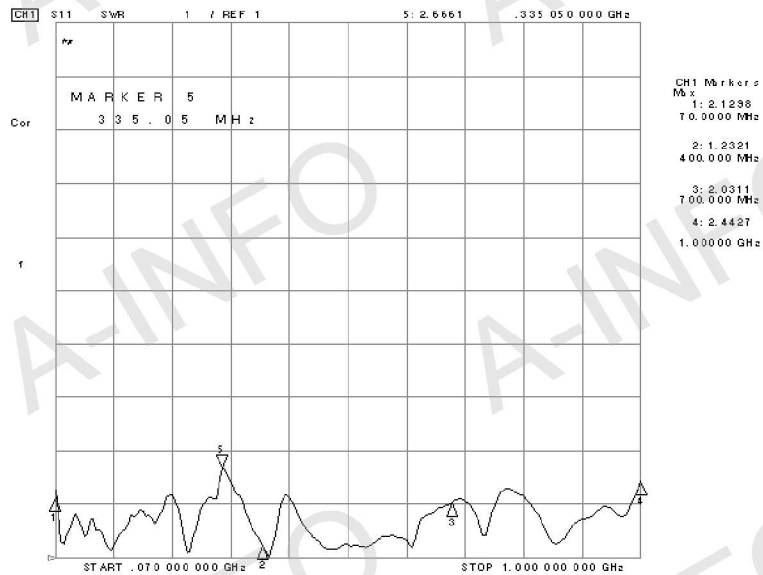
Gain



Antenna Factor



VSWR

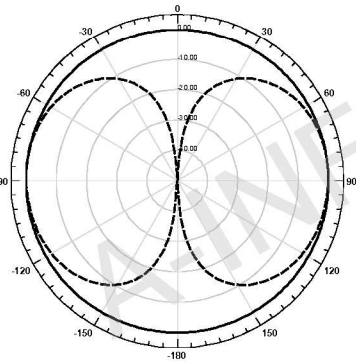


Discone-Type Antenna 70~1000MHz(continued)

P/N: PZ-7100/P

Pattern

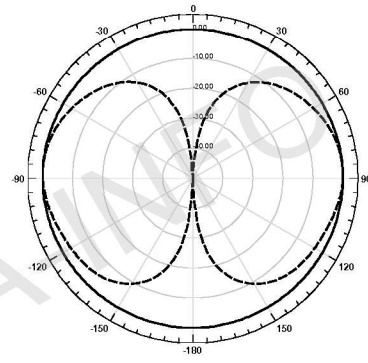
Frequency: 70MHz



H-Plane ———

E-Plane - - - - -

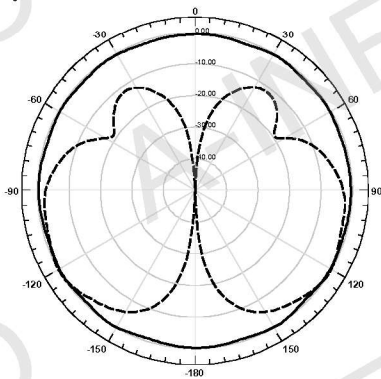
100MHz



H-Plane ———

E-Plane - - - - -

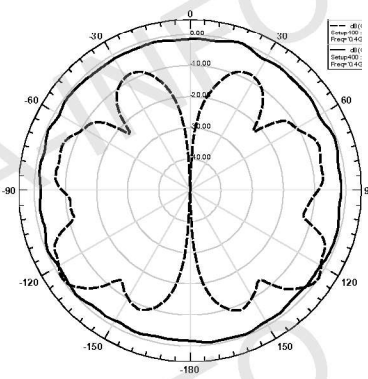
Frequency: 200MHz



H-Plane ———

E-Plane - - - - -

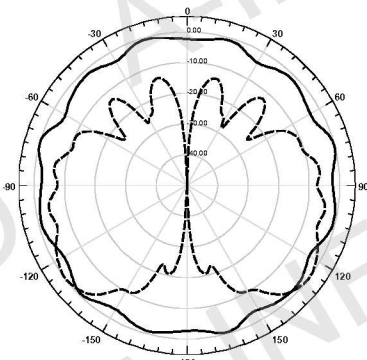
400MHz



H-Plane ———

E-Plane - - - - -

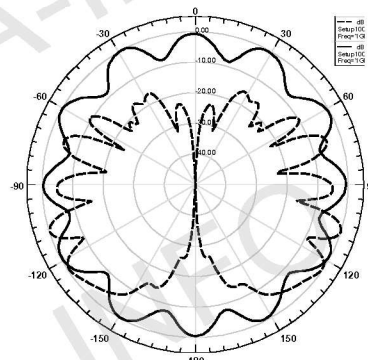
Frequency: 800MHz



H-Plane ———

E-Plane - - - - -

1000MHz



H-Plane ———

E-Plane - - - - -

Discone-Type Antenna 80~500MHz

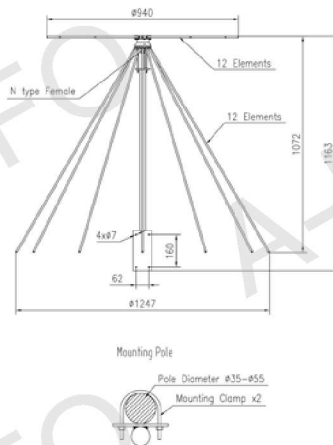
P/N: PZ-850/P



Technical Specification

Frequency(MHz)	80-500
Gain(dB)	0 Typ
Polarization	Linear
VSWR	2.0:1 Typ.
Power(W)	300 CW
Connector	N-Female
Size(mm) $\Phi \times H$	$\Phi 1247 \times 1163$
Net weight (Kg)	5.0 Around

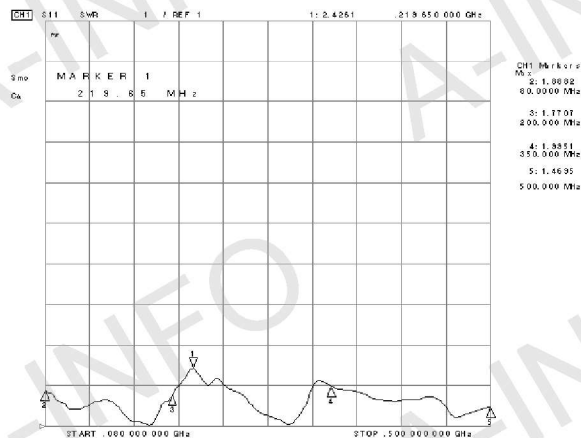
Outline Drawing (Size: mm)



Gain

Frequency (MHz)	Gain (dB)
80	0.8
240	1.5
500	1.8

VSWR

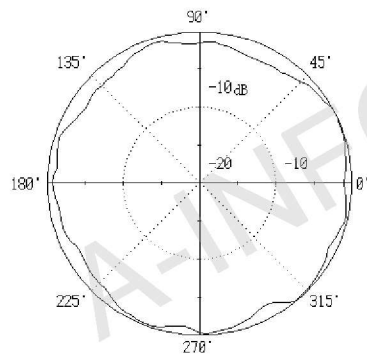


Discone-Type Antenna 80~500MHz(continued)

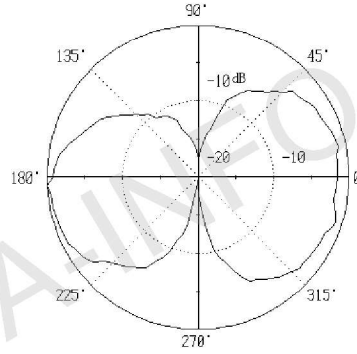
P/N: PZ-850/P

Pattern

Frequency: 80MHz

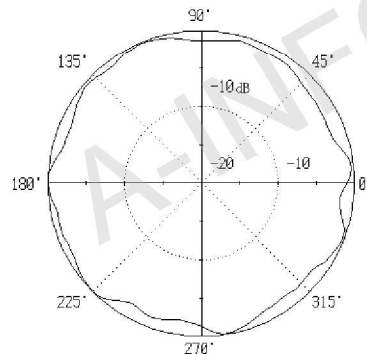


H-Plane

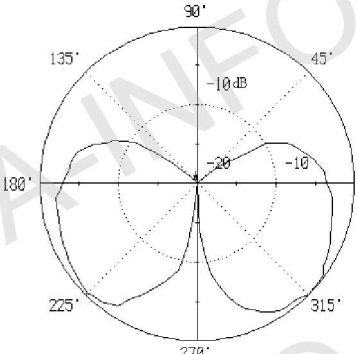


E-Plane

Frequency: 240MHz

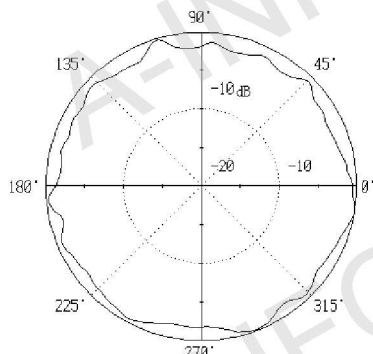


H-Plane

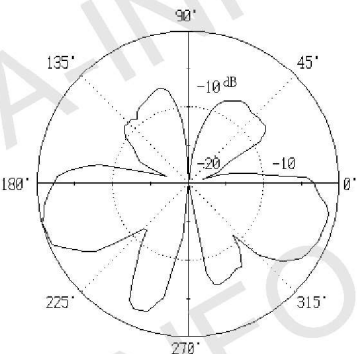


E-Plane

Frequency: 500MHz



H-Plane



E-Plane

Discone-Type Antenna 100~400MHz

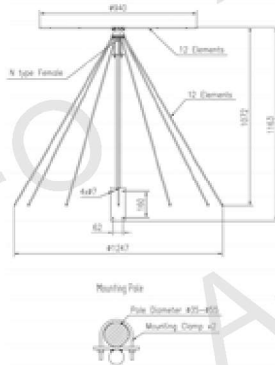
P/N: PZ-1040/P



Technical Specification

Frequency(MHz)	100-400
Gain(dB)	0 Typ.
Polarization	Linear
VSWR	2.0:1 Typ.
Power(W)	300 CW
Connector	N-Female
Size(mm) $\Phi \times H$	$\Phi 1247 \times 1163$
Net Weight(Kg)	5.0 Around

Outline Drawing (Size: mm)



Gain

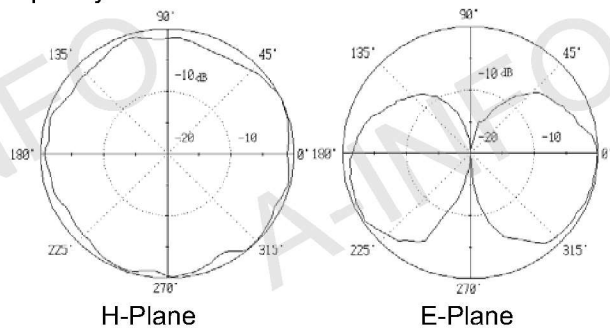
Frequency (MHz)	Gain (dB)
100	1.5
250	1.7
400	2.0

VSWR

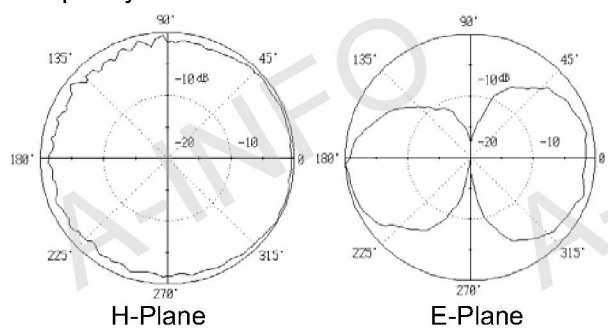


Pattern

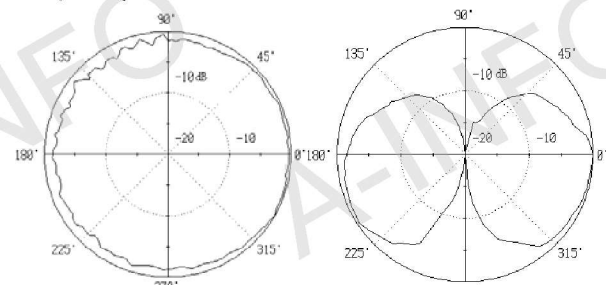
Frequency: 100MHz



Frequency : 250MHz



Frequency : 400MHz



Discone-Type Antenna 250~1000MHz

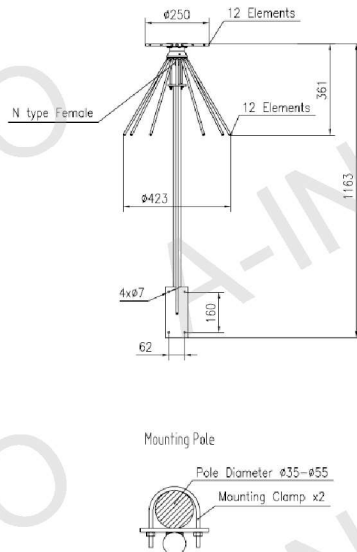
P/N: PZ-25100/P



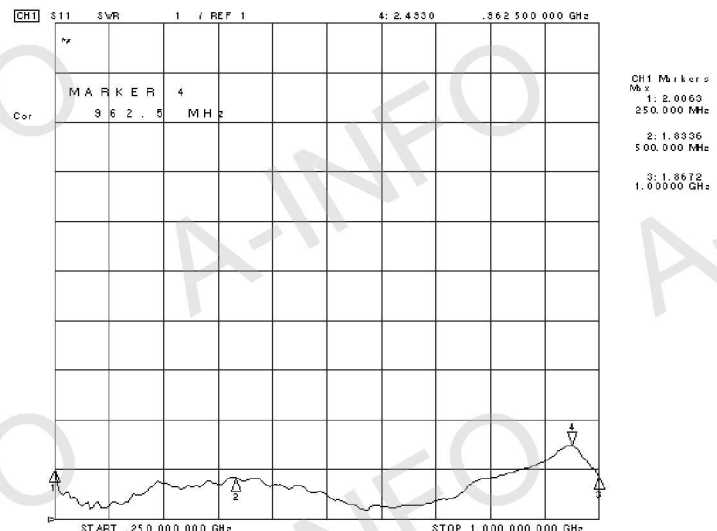
Technical Specification

Frequency Range(MHz)	250-1000
Gain(dB)	1.5 Typ
Polarization	Linear
VSWR	2.0:1 Typ.
Power(W)	300CW
Connector	N-Female
Size(mm)Φx H	Φ423x1163(including mounting bracket)
Net weight (Kg)	2.5 Around (including mounting bracket)

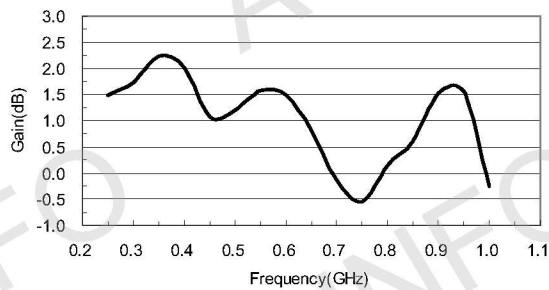
Outline Drawing(Size: mm)



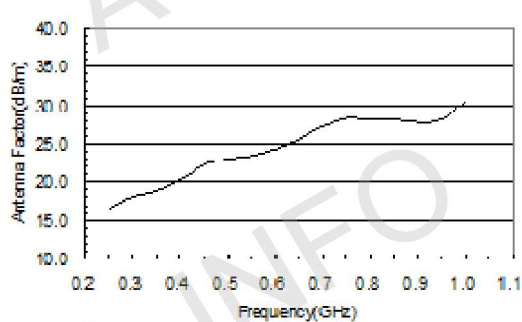
VSWR



Gain



Antenna Factor

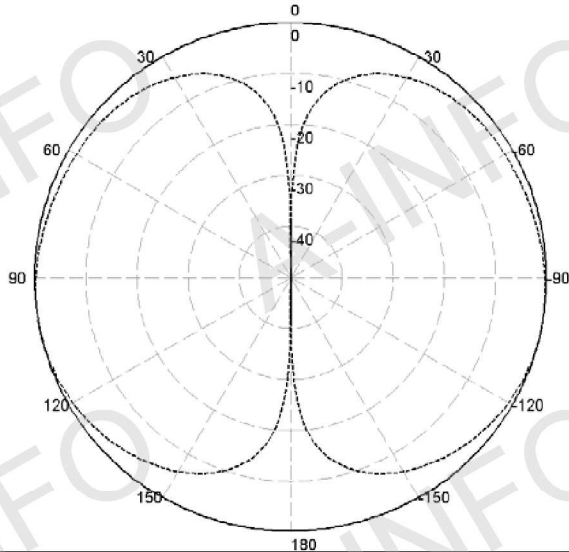


Discone-Type Antenna 250~1000MHz(continued)

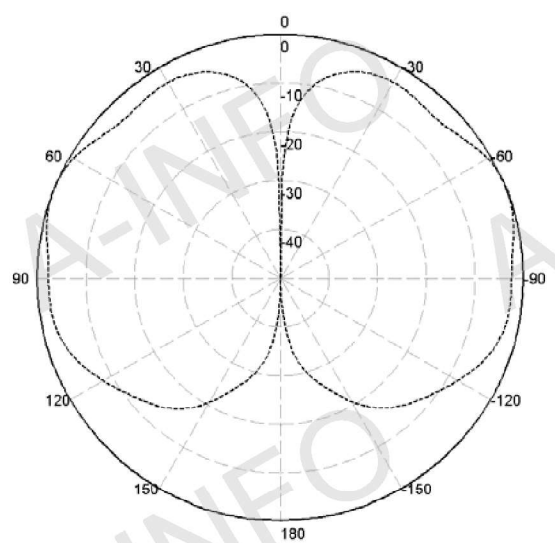
P/N: PZ-25100/P

Pattern

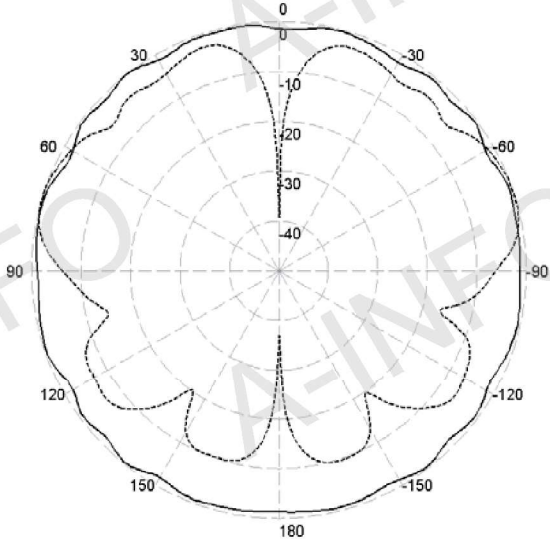
Frequency: 250MHz



500MHz



Frequency: 1000MHz



H-Plane —

E-Plane - - -

Discone-Type Antenna 1000~18000MHz

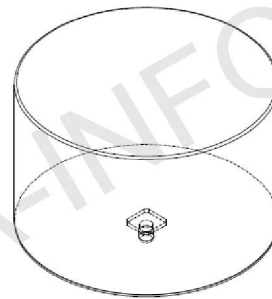
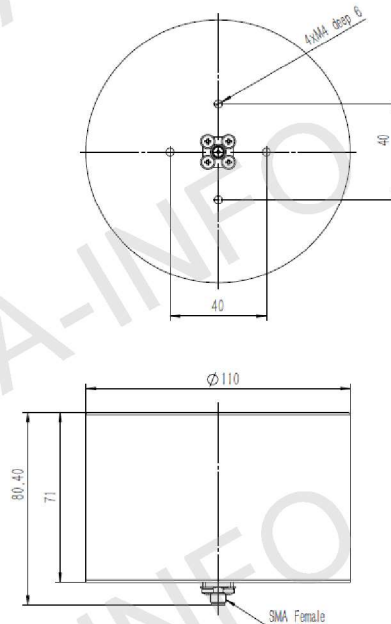
P/N: PZ-1001800/P



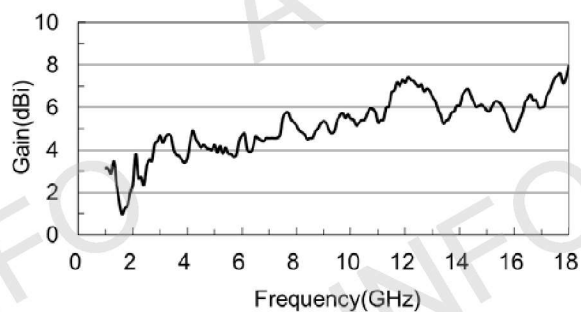
Technical Specification

Frequency Range(MHz)	1000-18000
Gain(dB)	0 Typ
Polarization	Linear
Power(W)	80 CW
VSWR	2.0:1 Typ.
Connector	SMA-Female
Size(mm) $\Phi \times H$	$\Phi 110 \times 71$
Net Weight(Kg)	0.5 Around

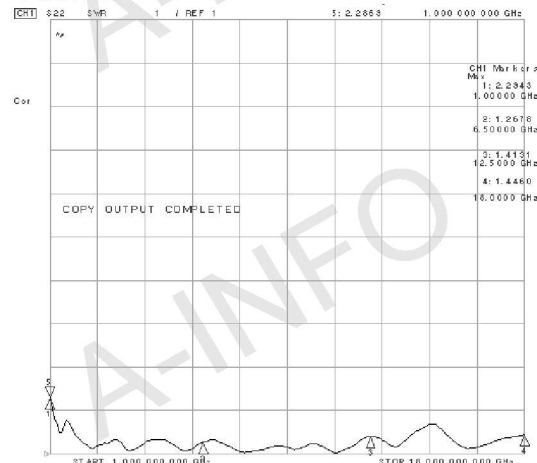
Outline Drawing and Mounting(Size: mm)



Gain



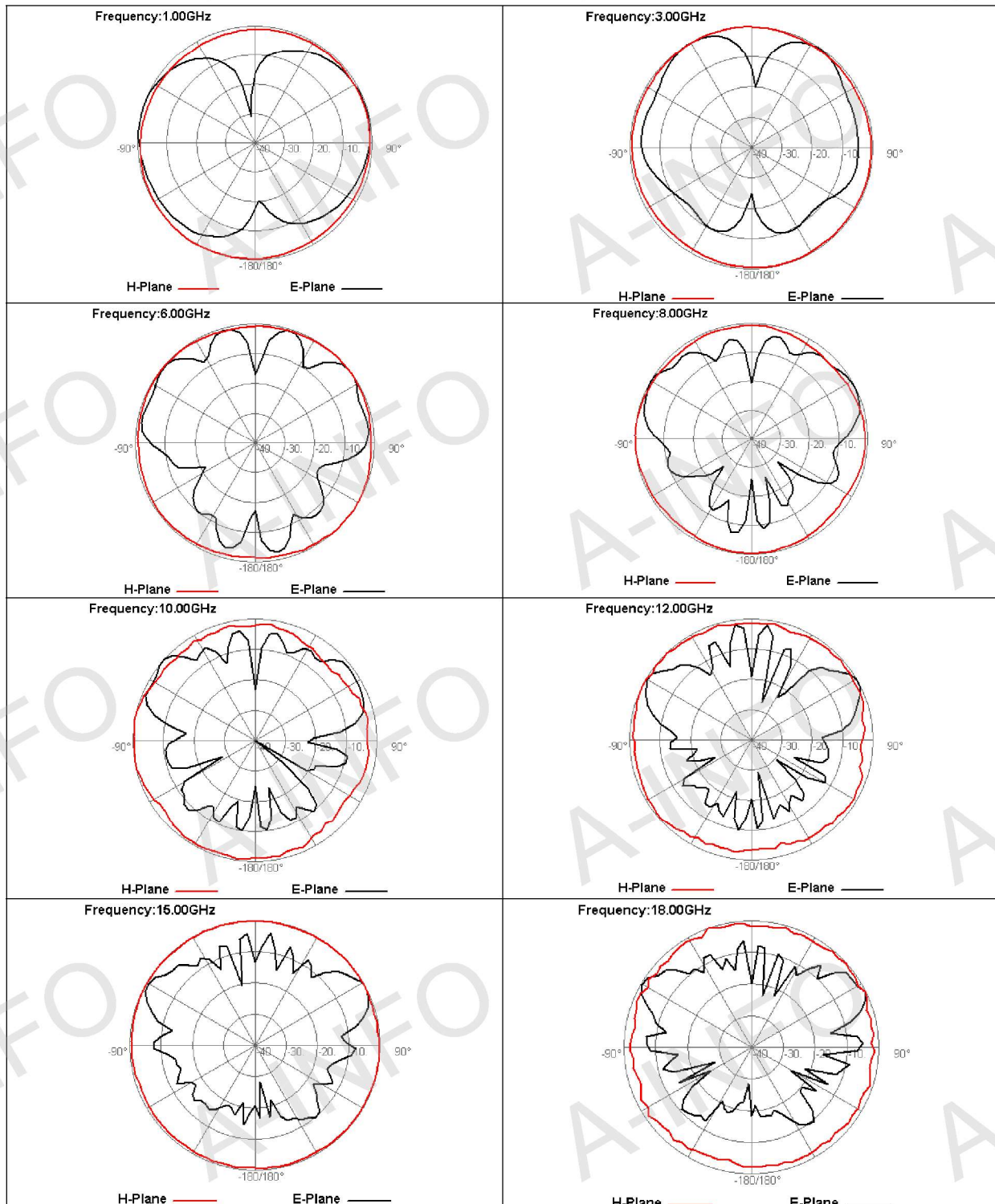
VSWR



Discone-Type Antenna 1000~18000MHz(continued)

P/N: PZ-1001800/P

Pattern



Discone-Type Antenna 8000~18000MHz

P/N: PZ-8001800/P

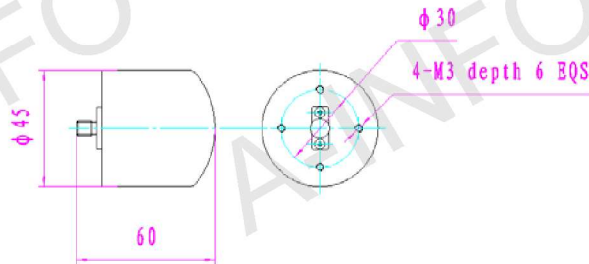


Pic. For Reference Only

Technical Specification

Frequency Range(MHz)	8000-18000
Polarization	Linear
VSWR	2.5:1 Typ.
Connector	SMA-Female
Size(mm)	Φ45x60
Net weight (kg)	0.14 Around

Outline Drawing(Size: mm)

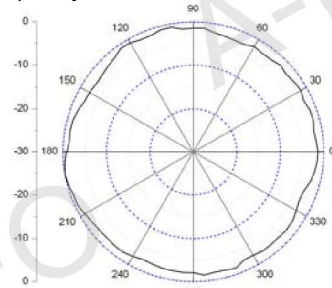


VSWR



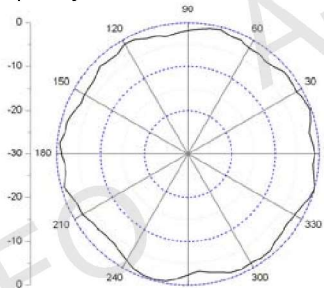
Pattern

Frequency:8GHz



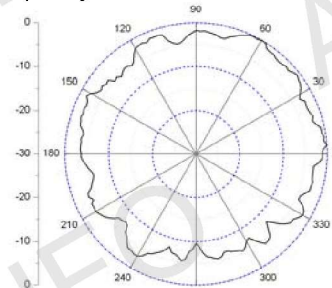
Azimuth

Frequency:13GHz



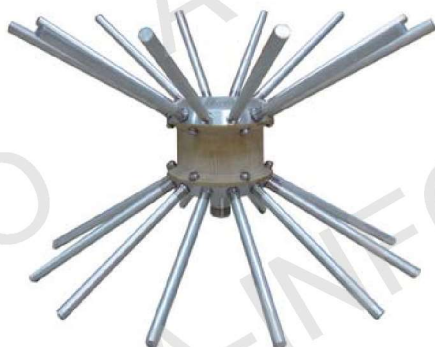
Azimuth

Frequency:18GHz



Azimuth

Bi-Conical Antenna



For detailed test data, pls. Log on www.ainfoinc.com – Antenna – Bi-Conical Antenna and download.

Model	Freq. (MHz)	Pol.	Gain (dB) Typ.	VSWR Max	Power (W) CW	Connector	Size (mm)
SZ-10300	100-3000	Vertical	4	2.5:1 Typ.	100	N-F	Φ1680x1000
SZ-20300	200-3000	Vertical	4	3.0:1	100	N-F	Φ645 x 400
SZ-50300/P	500-3000	Vertical	0	3.0:1	100	N-F	Φ300x190
SZ-80400/P	800-4000	Vertical	0	2.0:1	50	SMA-F	Φ190x206
SZ-2001800/P	2000-18000	Vertical	4	2.0:1 Typ. 2.5:1 Max	50	SMA-F	Φ123x84
SZ-2002650/P	2000-26500	Vertical	0	2.0:1 Typ. 2.5:1 Max	50	SMA-F	Φ123x82
SZ-2003000/P	2000-30000	Vertical	0	2.5:1 Typ. 3.0:1 Max	50	SMA-F	Φ123x82
SZ-3004000/P	3000-40000	Vertical	3	2.0:1 Typ.	30	2.92mm-F	Φ80x82.8
SZ-4004000/P	4000-40000	Vertical	3	2.0:1 Typ.	30	2.92mm-F/ 2.4mm-F	Φ80x82.8
SZ-18004000/P	18000-40000	Vertical	3	2.0:1 Typ.	30	2.92mm-F	Φ80x82.8

Bi-Conical Antenna 200~3000MHz

P/N: SZ-20300

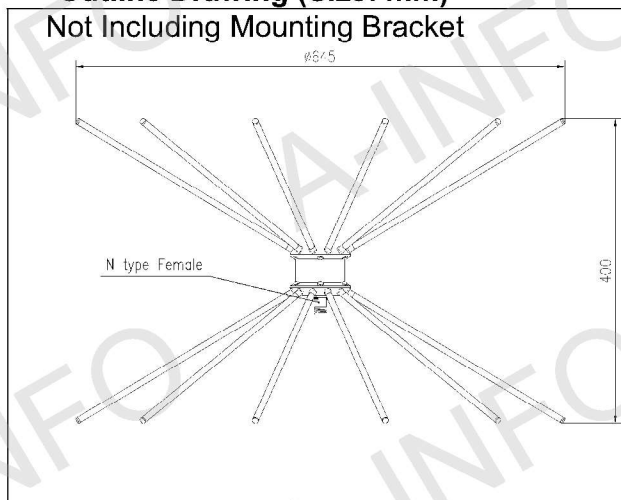


Technical Specification

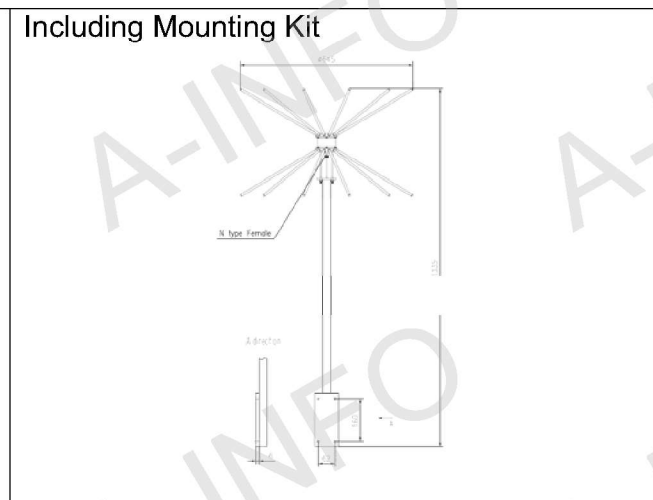
Frequency Range(MHz)	200-3000
Polarization	Vertical
VSWR	3:1 Max
Gain(dB)	4 Typ.
Power(W)	100 CW
Connector	N-Female
Net Weight(Kg)	2.0 Around(Not including Mounting kit) 3.5 Around (including Mounting kit)
Size(mm)	(Φ)645x(H)400 approx(Not including Mounting kit) (H)1355 approx. (including Mounting kit)

Outline Drawing (Size: mm)

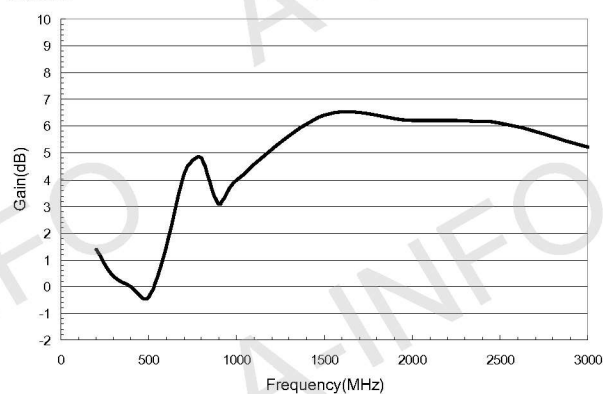
Not Including Mounting Bracket



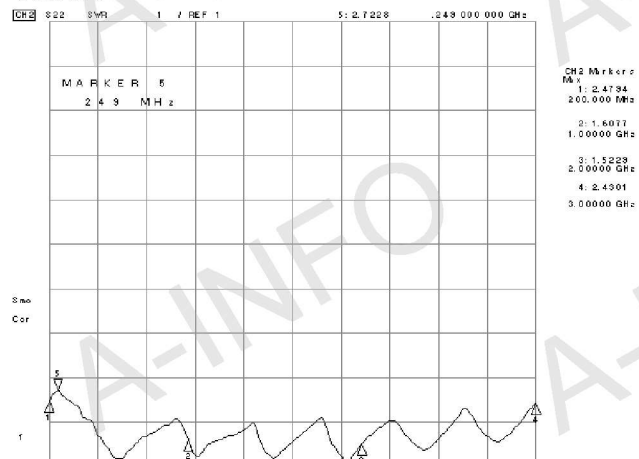
Including Mounting Kit



Gain



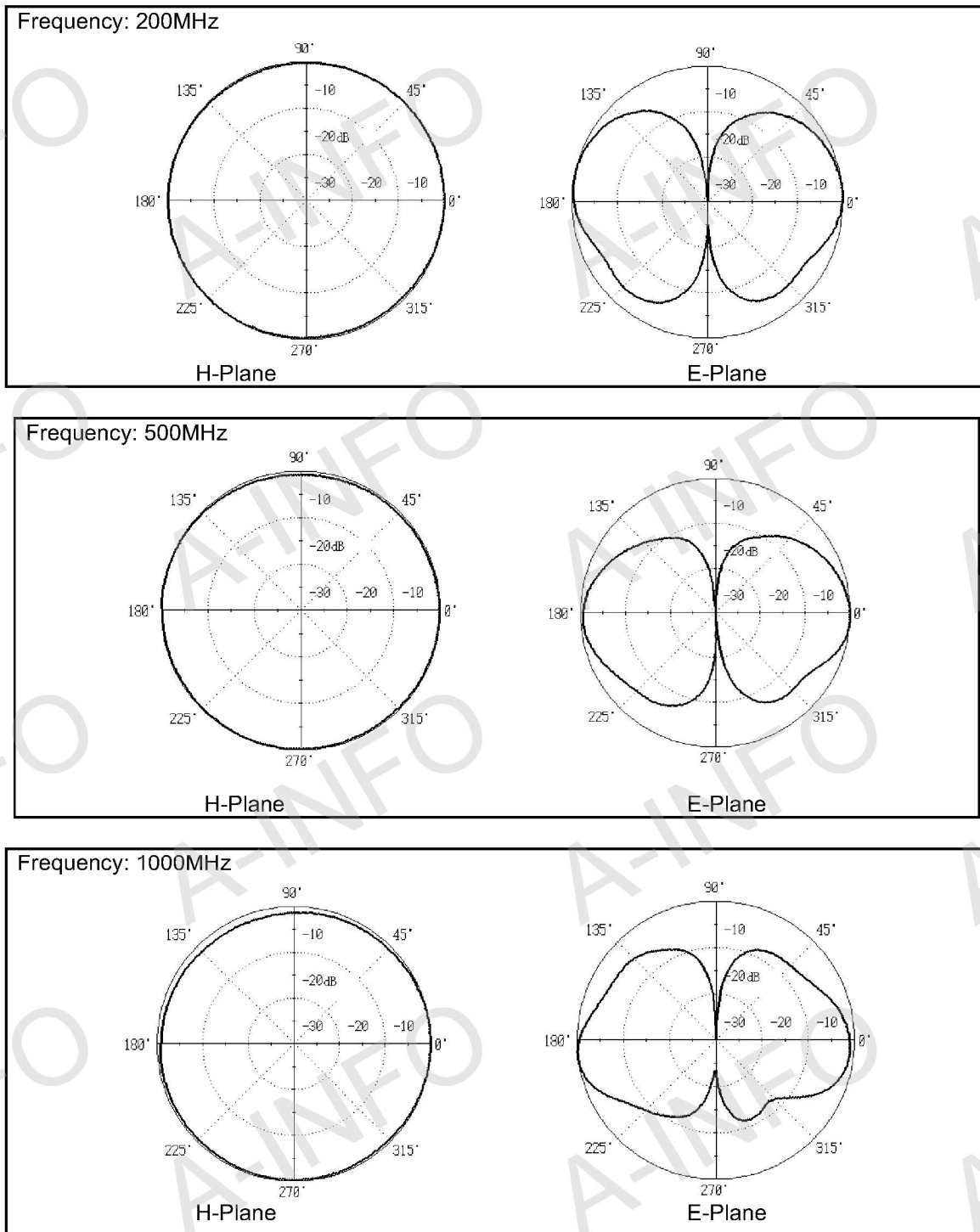
VSWR



Bi-Conical Antenna 200~3000MHz(continued)

P/N: SZ-20300

Pattern

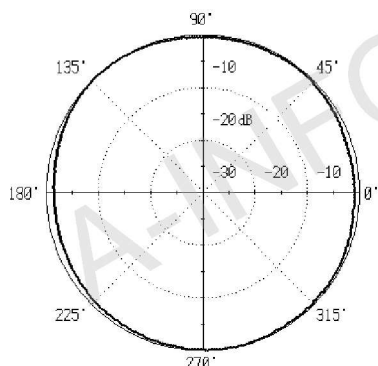


Bi-Conical Antenna 200~3000MHz(continued)

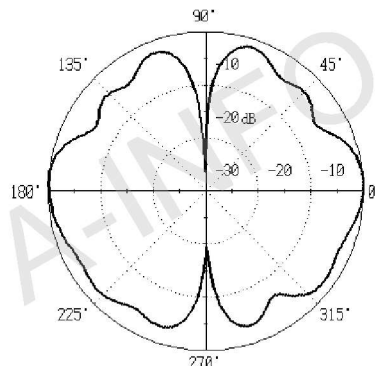
P/N: SZ-20300

Pattern

Frequency: 1500MHz

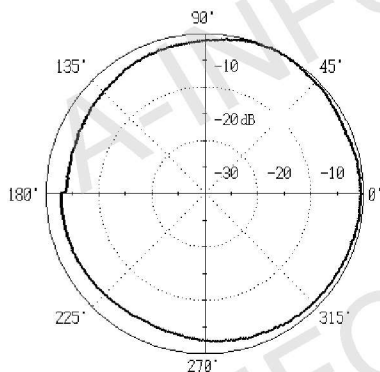


H-Plane

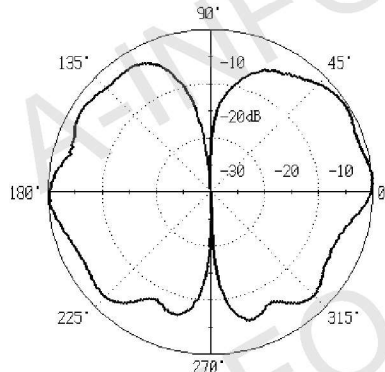


E-Plane

Frequency: 2000MHz

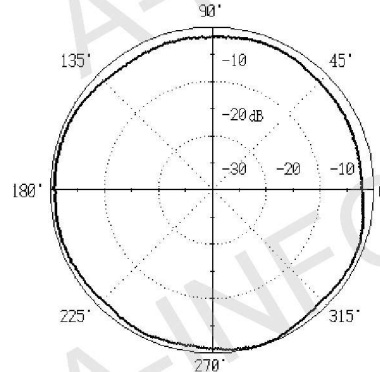


H-Plane

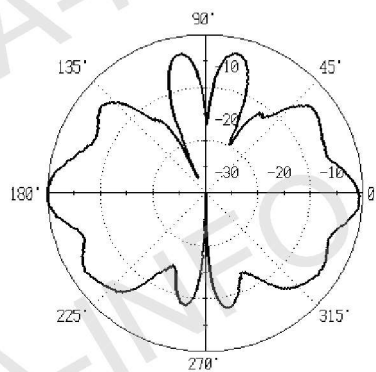


E-Plane

Frequency: 3000MHz



H-Plane



E-Plane

Bi-Conical Antenna 500~3000MHz

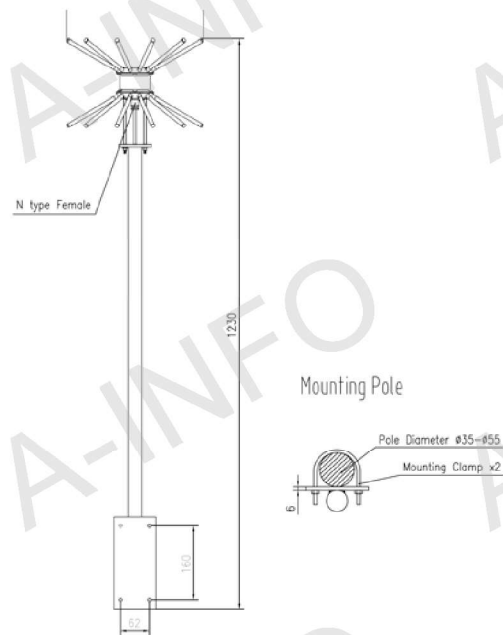
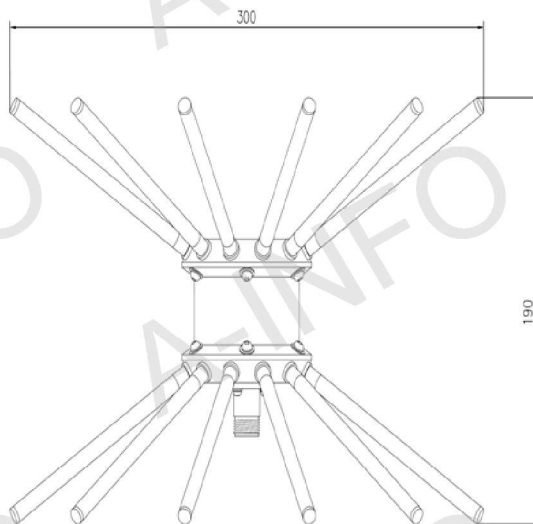
P/N: SZ-50300/P



Technical Specification

Frequency Range(MHz)	500-3000
Polarization	Vertical
VSWR	3:1 MAX
Gain(dB)	0 Typ
Power(W)	100 CW
Connector	N-Female
Net Weight(Kg)	1.0 Around(Not including Mounting Kit)
	2.5 Around (including Mounting Kit)
Size(mm)	(Φ)300 x (H)190 approx. (Not including Mounting Kit)
	(H)1230 approx.(including Mounting Kit)

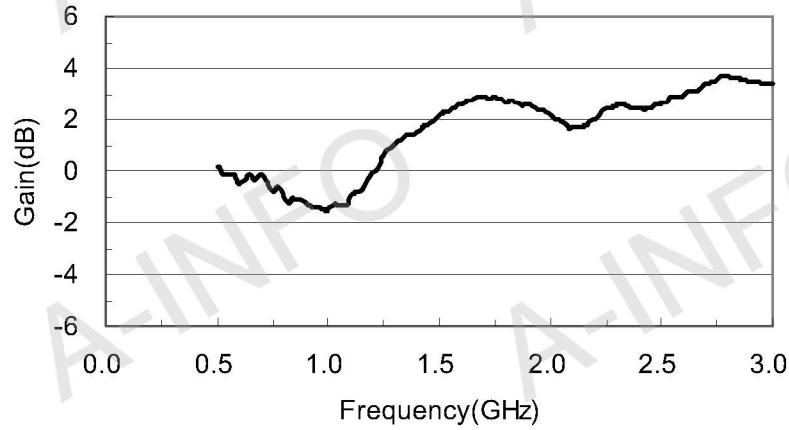
Outline Drawing (Size: mm)



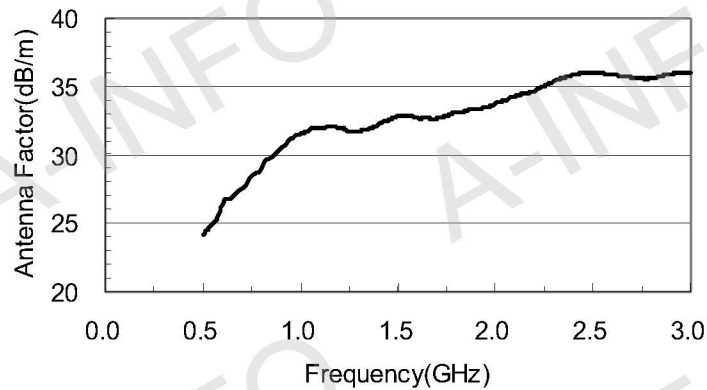
Bi-Conical Antenna 500~3000MHz(continued)

P/N: SZ-50300/P

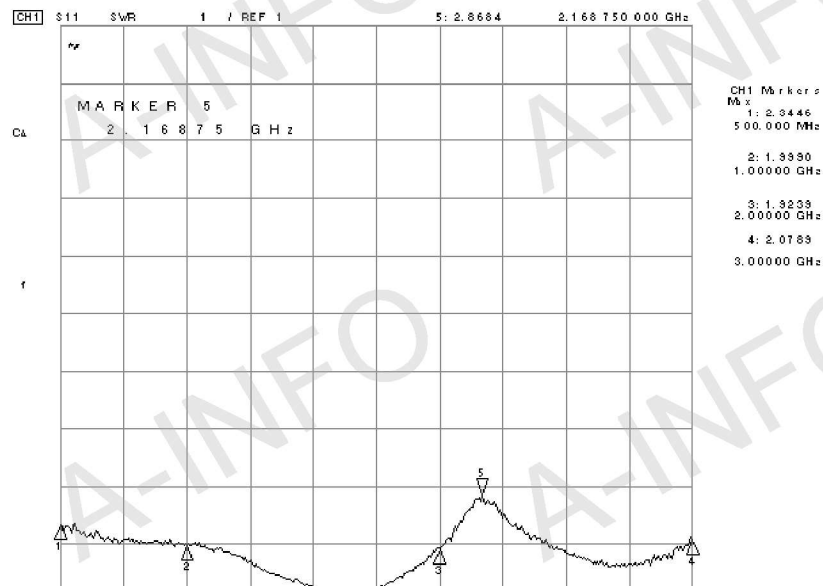
Gain



Antenna Factor



VSWR

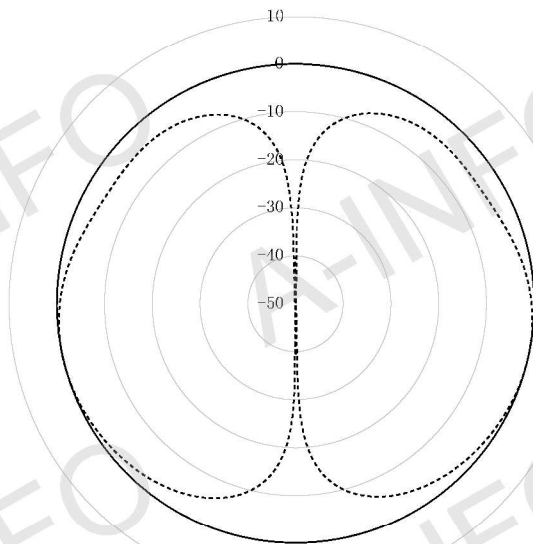


Bi-Conical Antenna 500~3000MHz(continued)

P/N: SZ-50300/P

Pattern

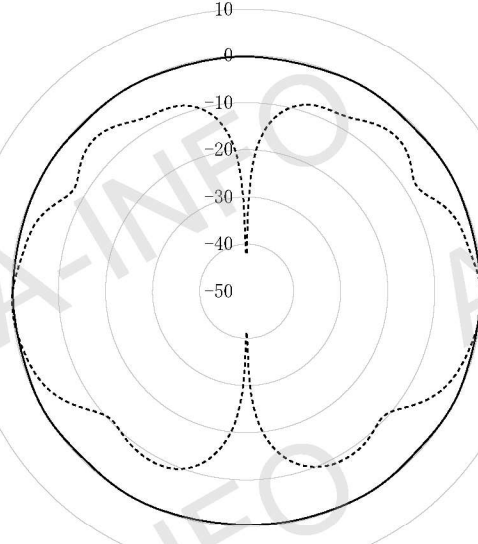
Frequency: 0.5GHz



H-Plane ———

E-Plane - - - - -

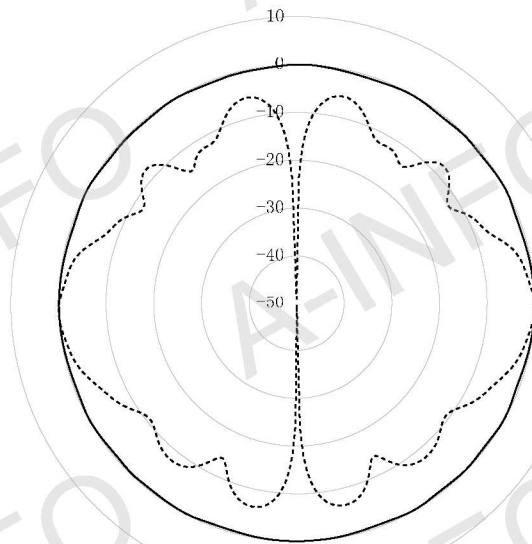
Frequency: 1.5GHz



H-Plane ———

E-Plane - - - - -

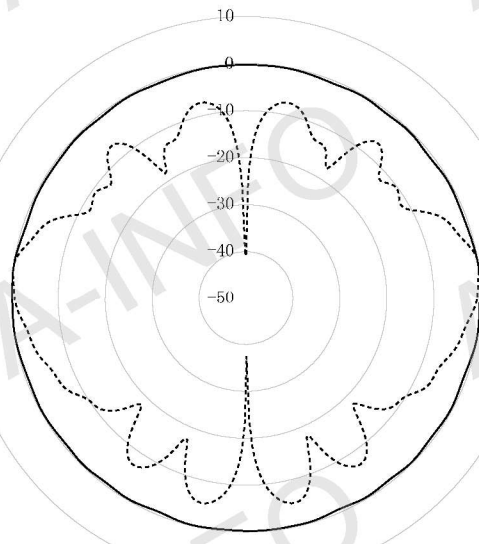
Frequency: 2.5GHz



H-Plane ———

E-Plane - - - - -

Frequency: 3.0GHz



H-Plane ———

E-Plane - - - - -

Bi-Conical Antenna 800~4000MHz

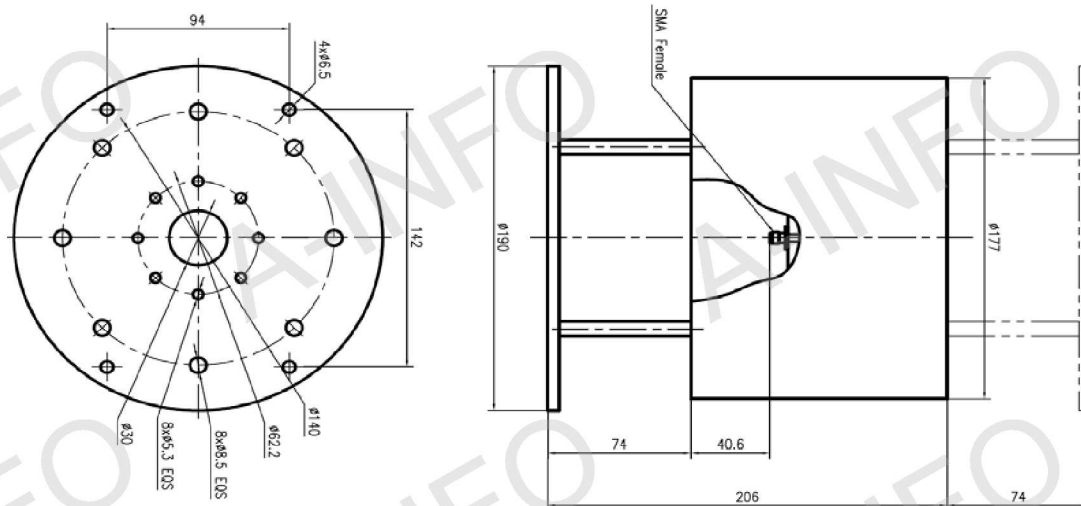
P/N: SZ-80400/P



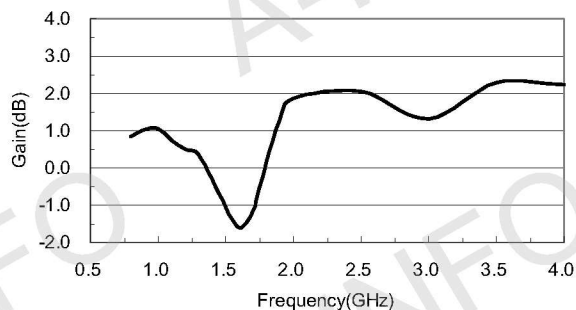
Technical Specification

Frequency Range(MHz)	800-4000
Polarization	Vertical
Gain(dB)	0 Typ.
VSWR	2.0:1 Max.
Connector	SMA-Female
Size	Φ190x206mm
Net Weight(Kg)	1.6 Around

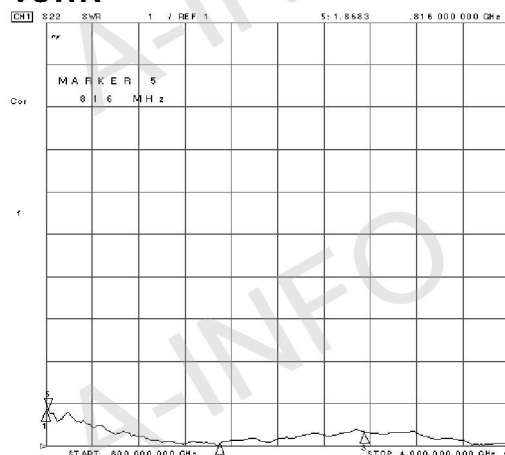
Outline Drawing(Size: mm)



Gain



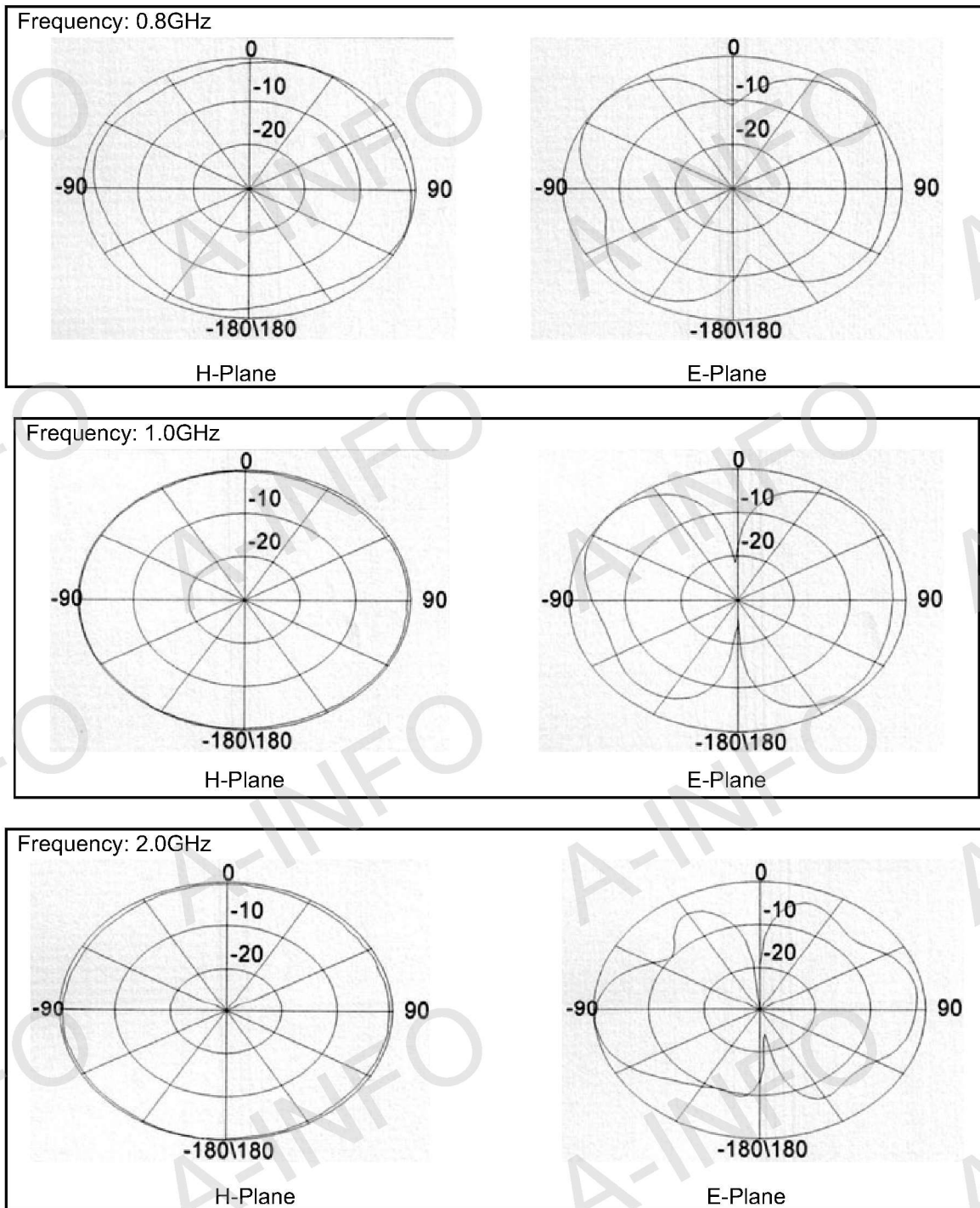
VSWR



Bi-Conical Antenna 800~4000MHz(continued)

P/N: SZ-80400/P

Pattern

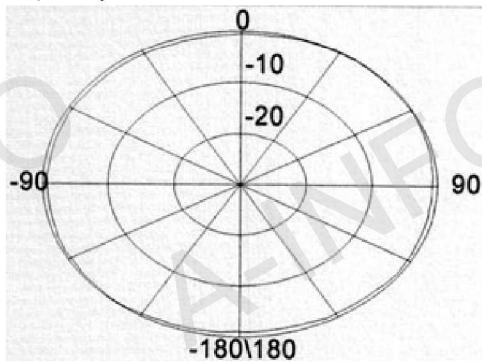


Bi-Conical Antenna 800~4000MHz(continued)

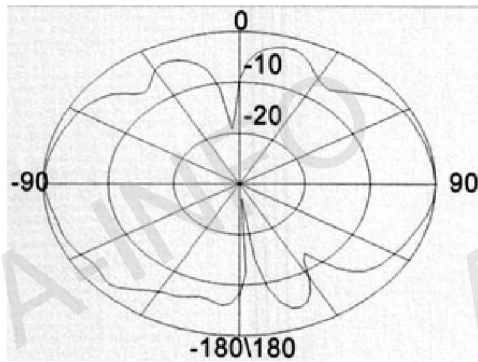
P/N: SZ-80400/P

Pattern

Frequency: 3.0GHz

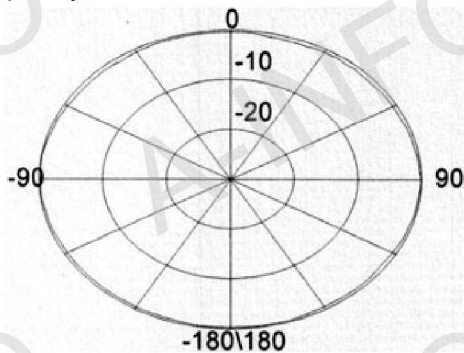


H-Plane

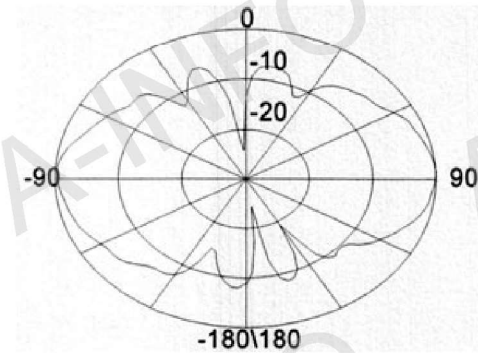


E-Plane

Frequency: 4.0GHz



H-Plane



E-Plane

Bi-Conical Antenna 2000~26500MHz

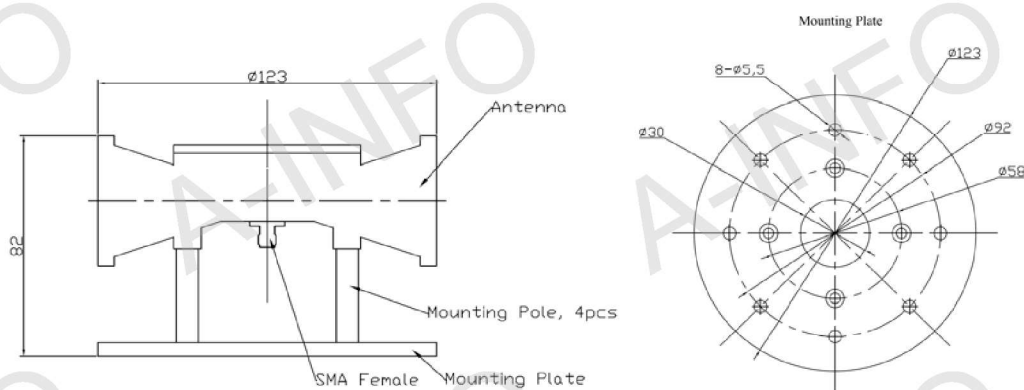
P/N: SZ-2002650/P



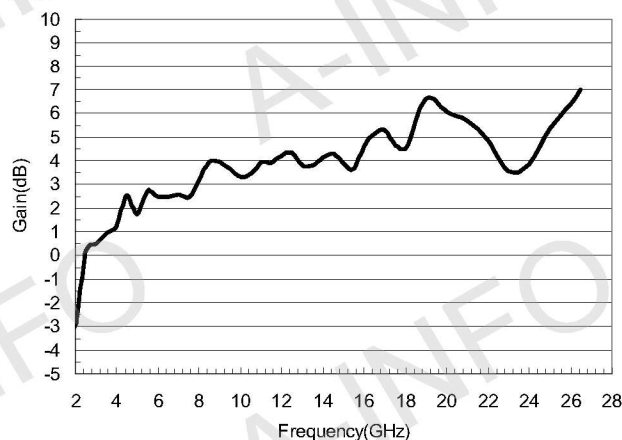
Technical Specification

Frequency(MHz)	2000-26500
Polarization	Vertical
Gain(dB)	0 Typ.
VSWR	2.0:1 Typ. 2.5:1 Max
Power(W)	50 CW
Connector	SMA-Female
Size(mm)	Φ123x82
Net Weight(Kg)	0.4Around

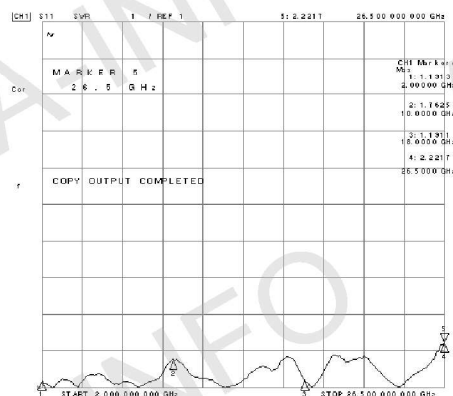
Outline Drawing(Size:mm)



Gain



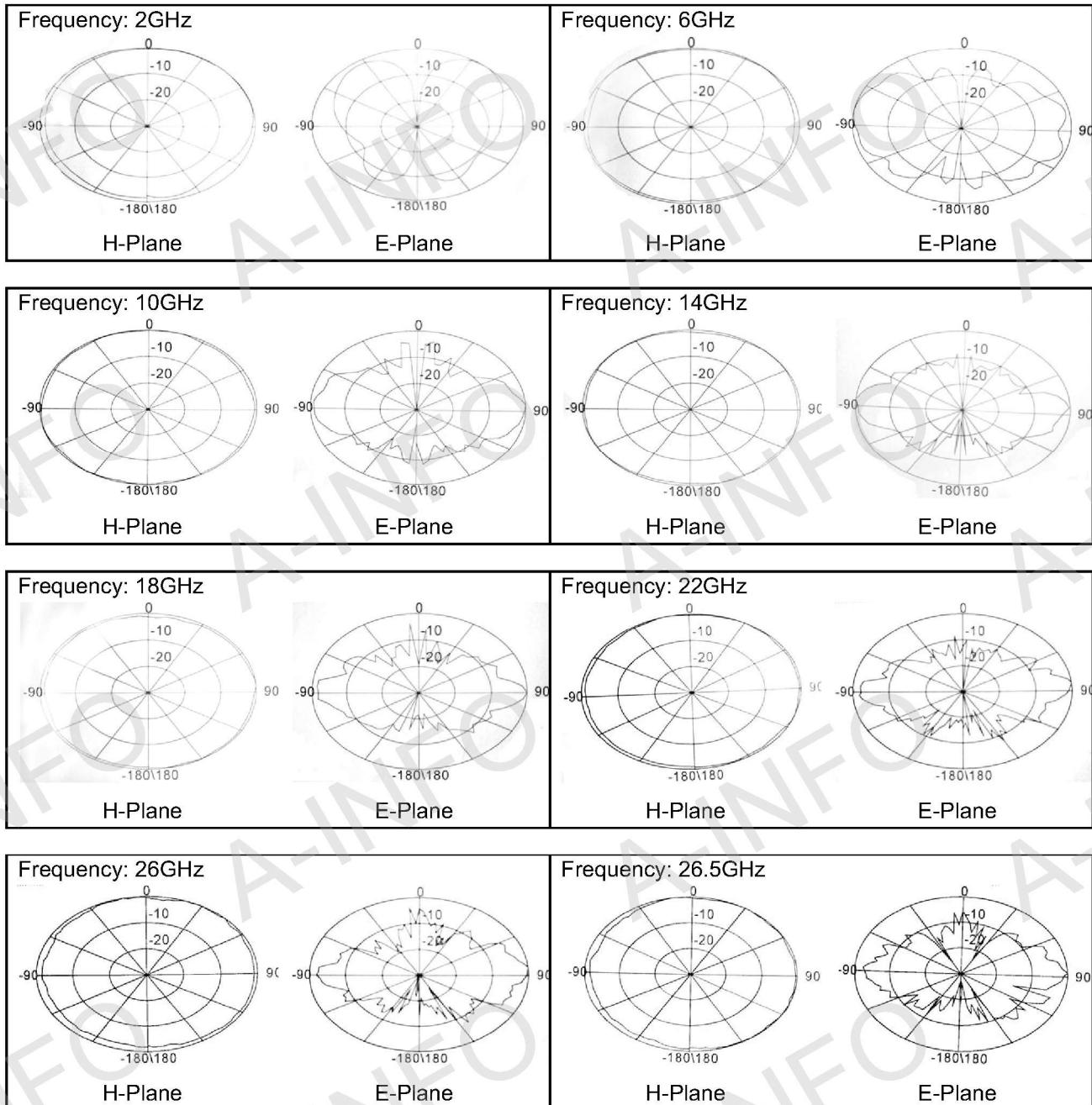
VSWR



Bi-Conical Antenna 2000~26500MHz(continued)

P/N: SZ-2002650/P

Pattern



Bi-Conical Antenna 3000~40000MHz

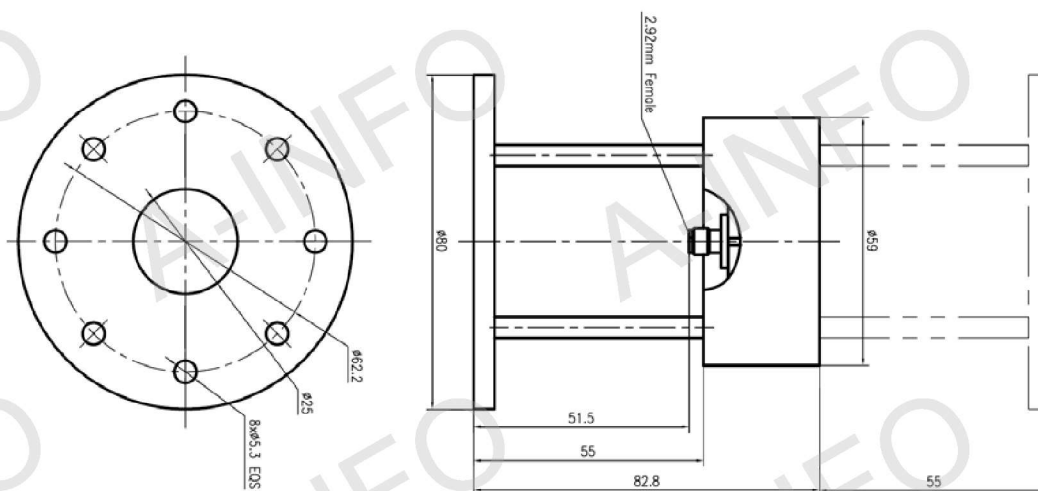
P/N: SZ-3004000/P



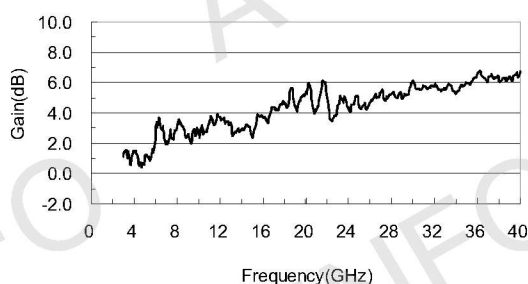
Technical Specification

Frequency(MHz)	3000-40000
Polarization	Vertical
Gain(dB)	3 Typ.
VSWR	2.0:1 Typ.
Power(W)	30 CW
Connector	2.92mm-Female
Size(mm)	Φ80x82.8
Net Weight(Kg)	0.2Around

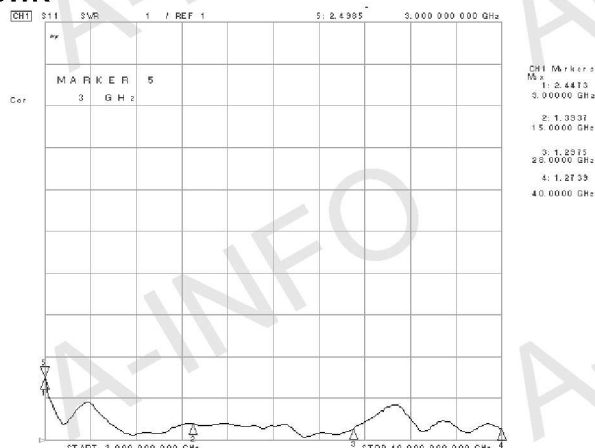
Outline Drawing(Size:mm)



Gain



VSWR

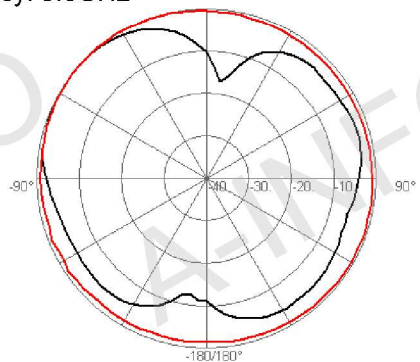


Bi-Conical Antenna 3000~40000MHz(continued)

P/N: SZ-3004000/P

Pattern

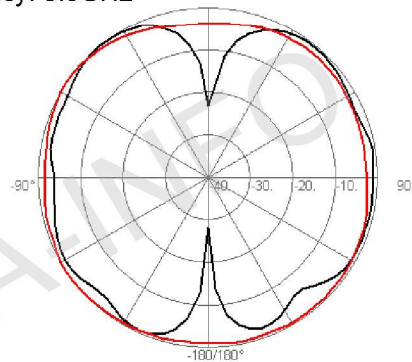
Frequency: 3.0GHz



H-Plane ———

E-Plane - - - - -

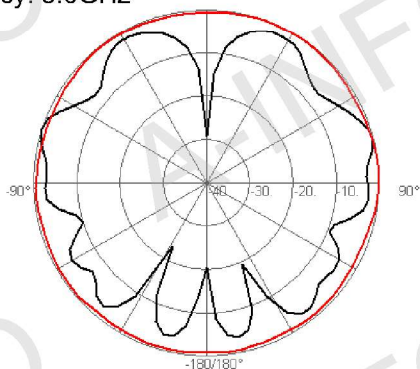
Frequency: 5.0GHz



H-Plane ———

E-Plane - - - - -

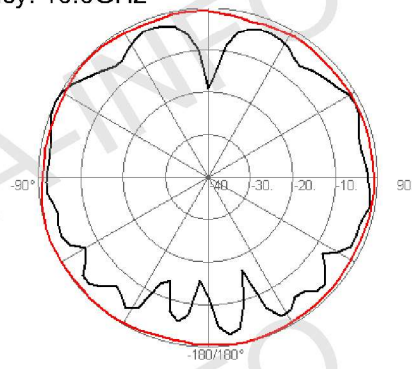
Frequency: 8.0GHz



H-Plane ———

E-Plane - - - - -

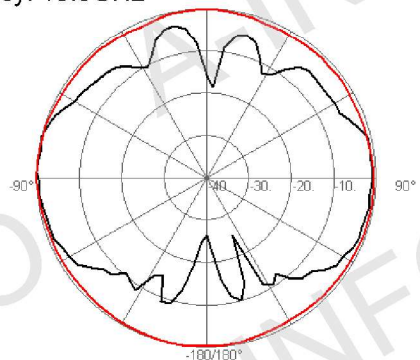
Frequency: 10.0GHz



H-Plane ———

E-Plane - - - - -

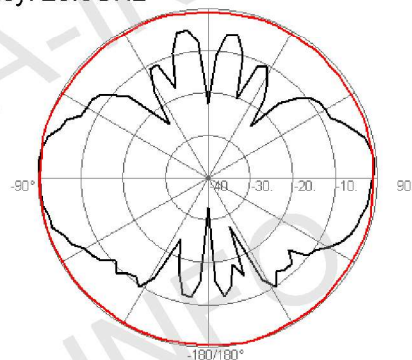
Frequency: 15.0GHz



H-Plane ———

E-Plane - - - - -

Frequency: 20.0GHz



H-Plane ———

E-Plane - - - - -

Bi-Conical Antenna 3000~40000MHz(continued)

P/N: SZ-3004000/P

Pattern

