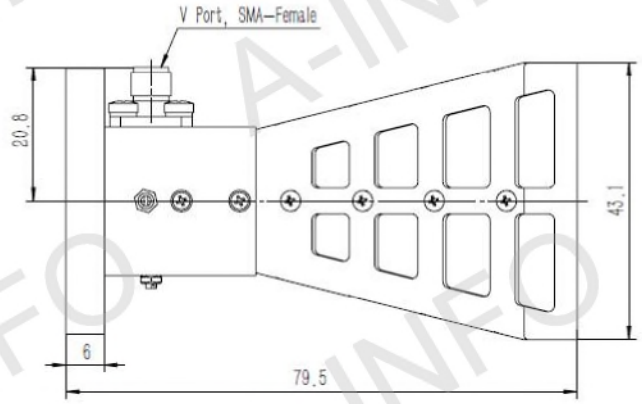
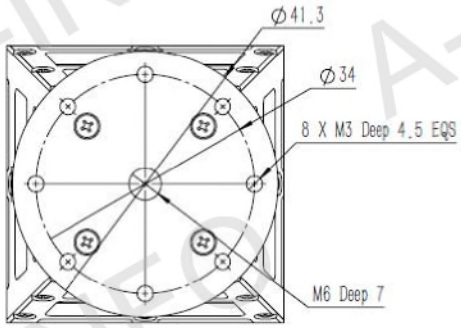
Technical Specification

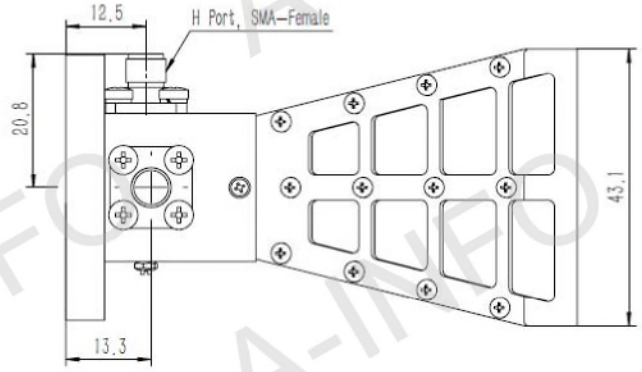
Frequency Range(GHz)	6.0-18.0
Gain(dB)	12 Typ.
Polarization	Dual Pol.
3dB Beamwidth(deg)	77-24
Cross Pol. Isolation(dB)	30 Typ.
	20 Min.
Port to Port Isolation(dB)	30 Min.
VSWR	2.0:1 Typ.
	2.5:1 Max.
Output	SMA Female
Material	Al
Power Handling(W)	25 Max. CW
Size(mm)	43.1 x 43.1 x 79.5
Net Weight(Kg)	0.1 Around

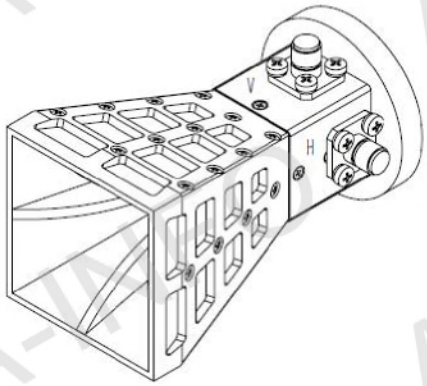
Outline Drawing (Size: mm)

SMA Female Output

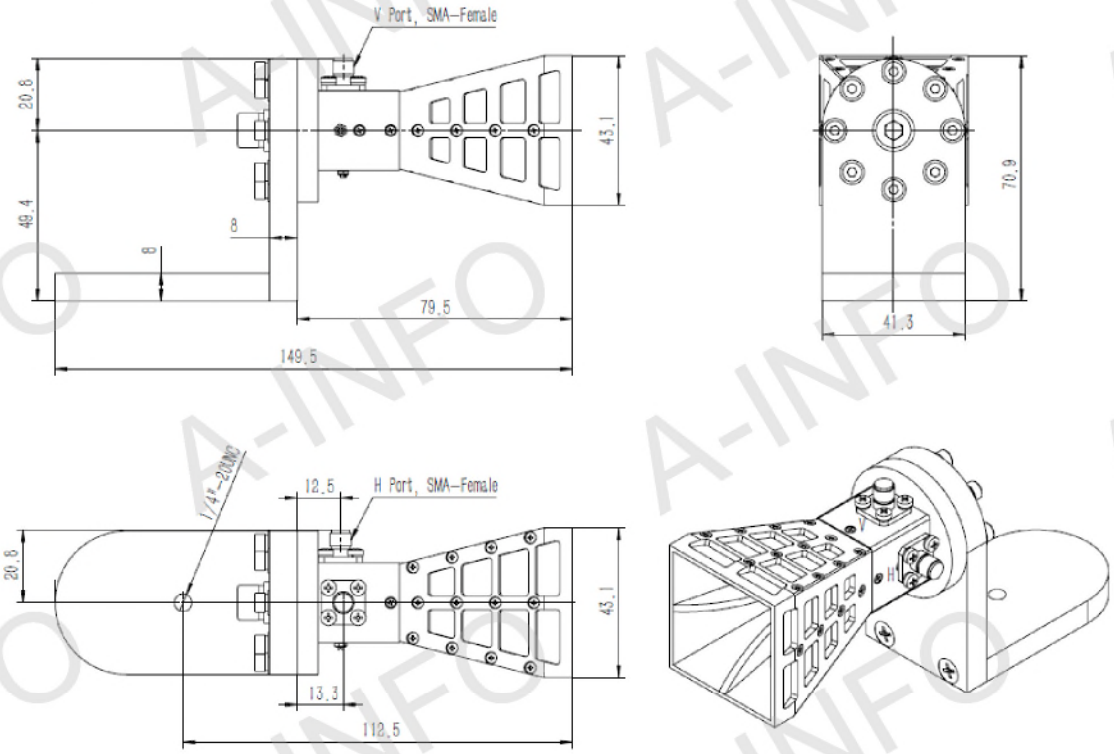




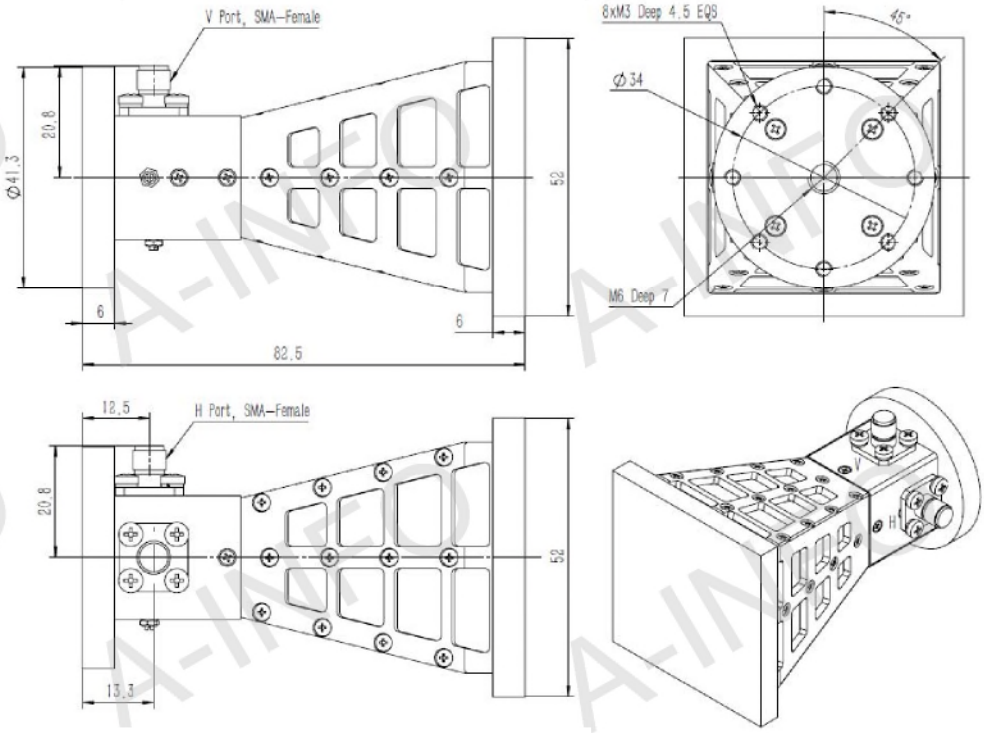




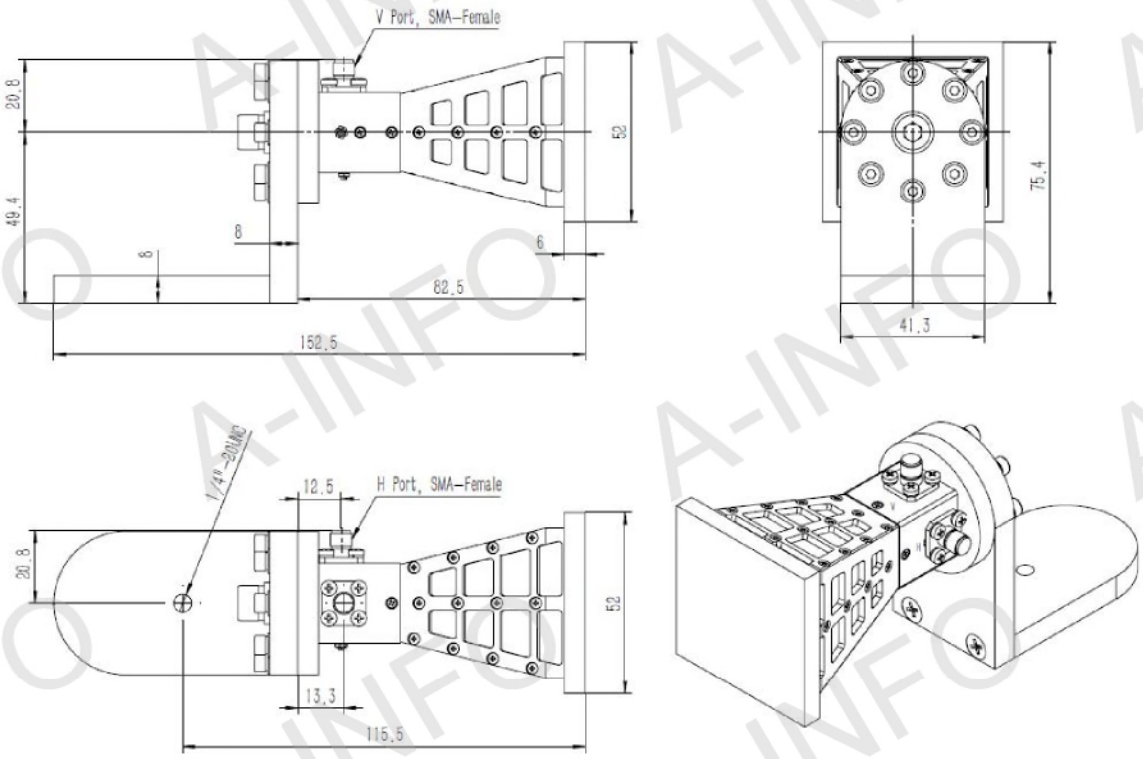
SMA Female Output with L Type Mounting Bracket



SMA Female Output with Radome



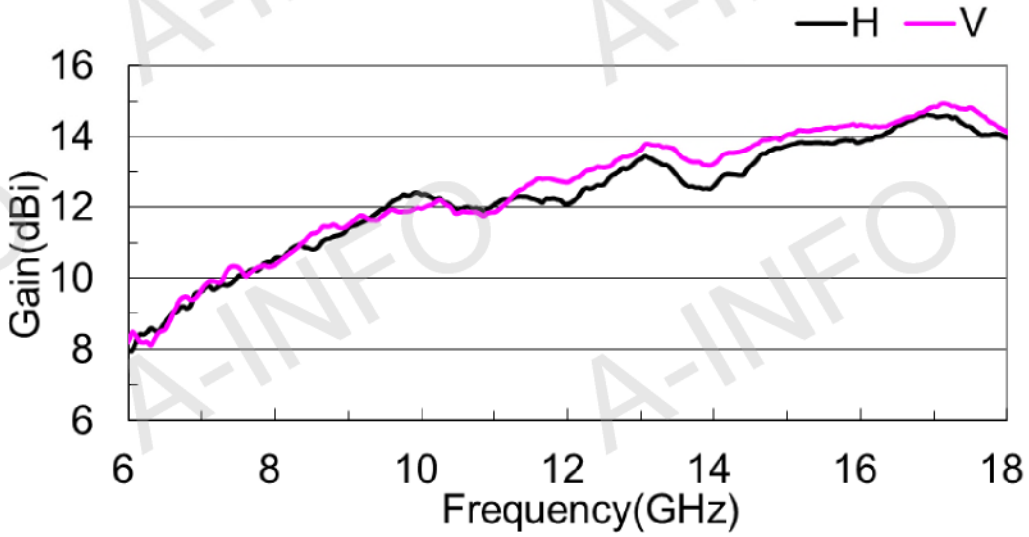
SMA Female Output with Radome & L Type Mounting Bracket

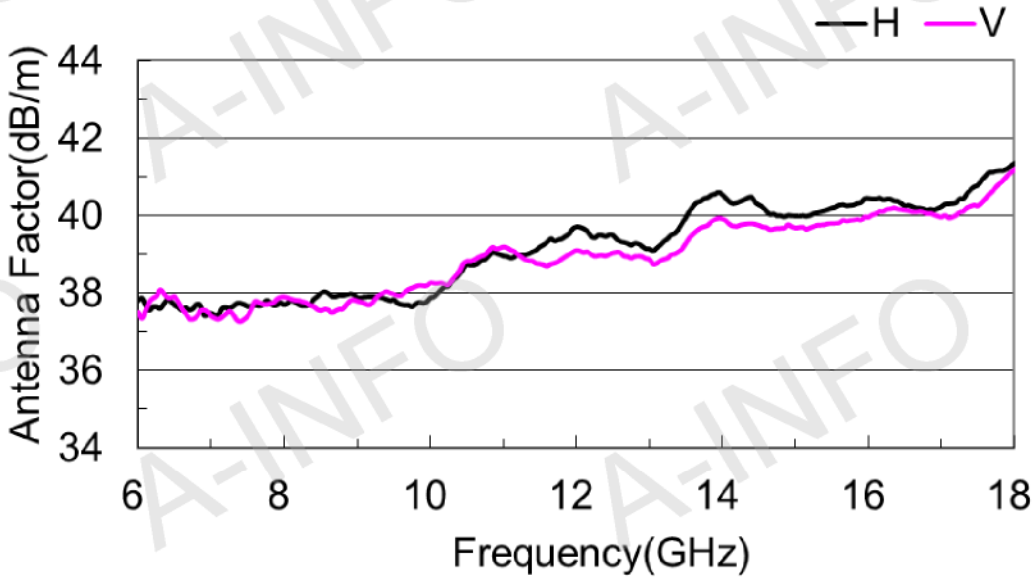


A-INFO

Test Results

1. Gain & Antenna Factor

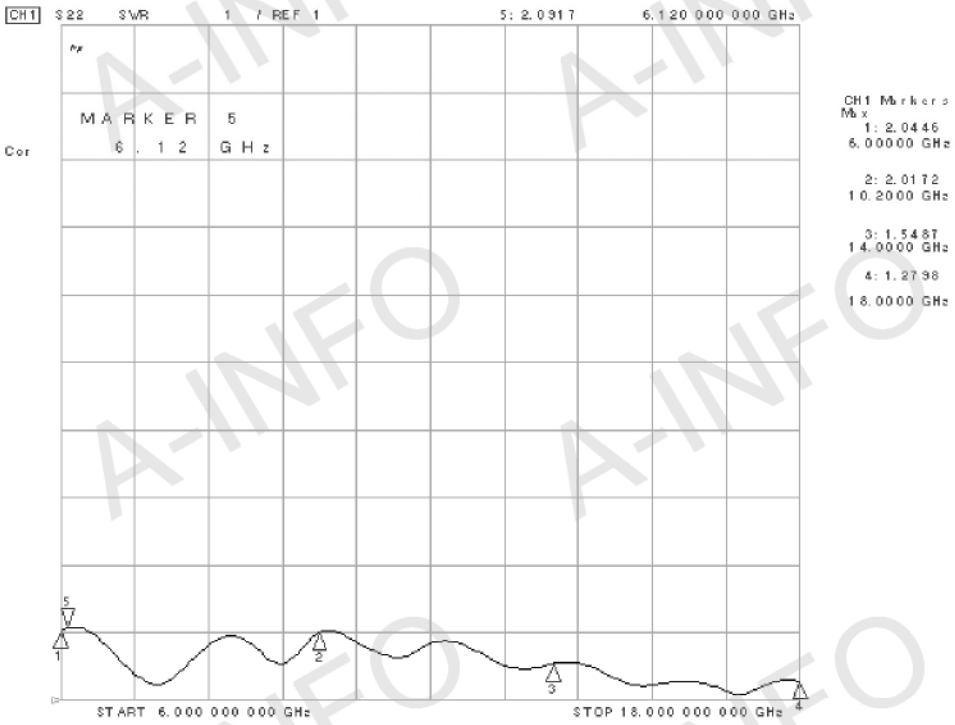




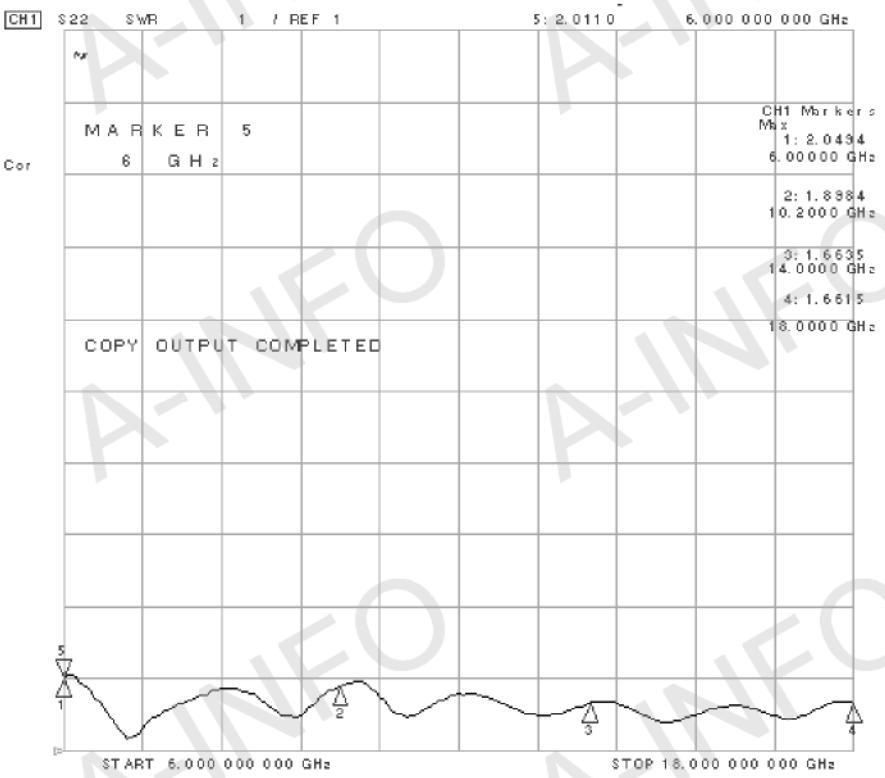
A-INFO

2. VSWR

Port-V



Port-H



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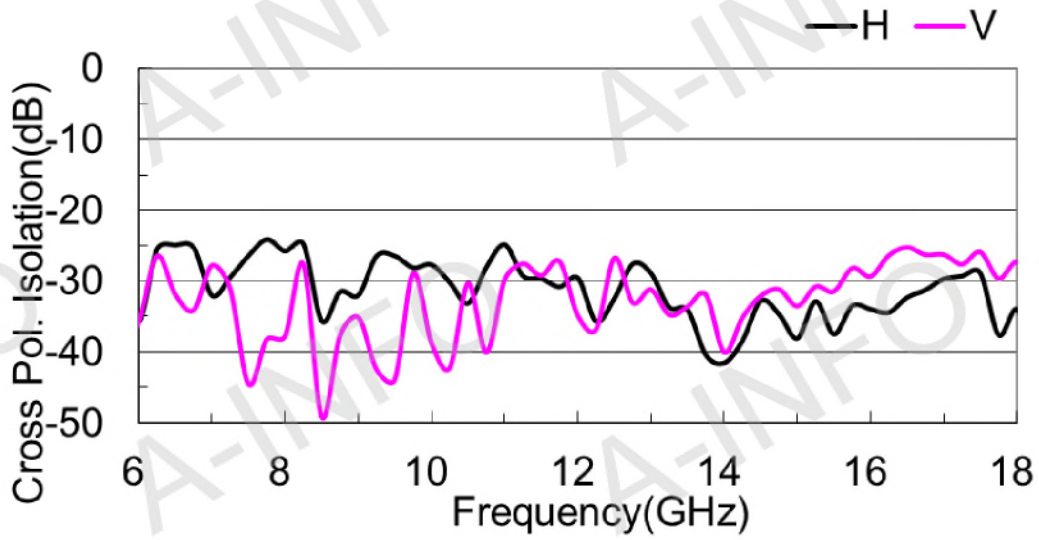
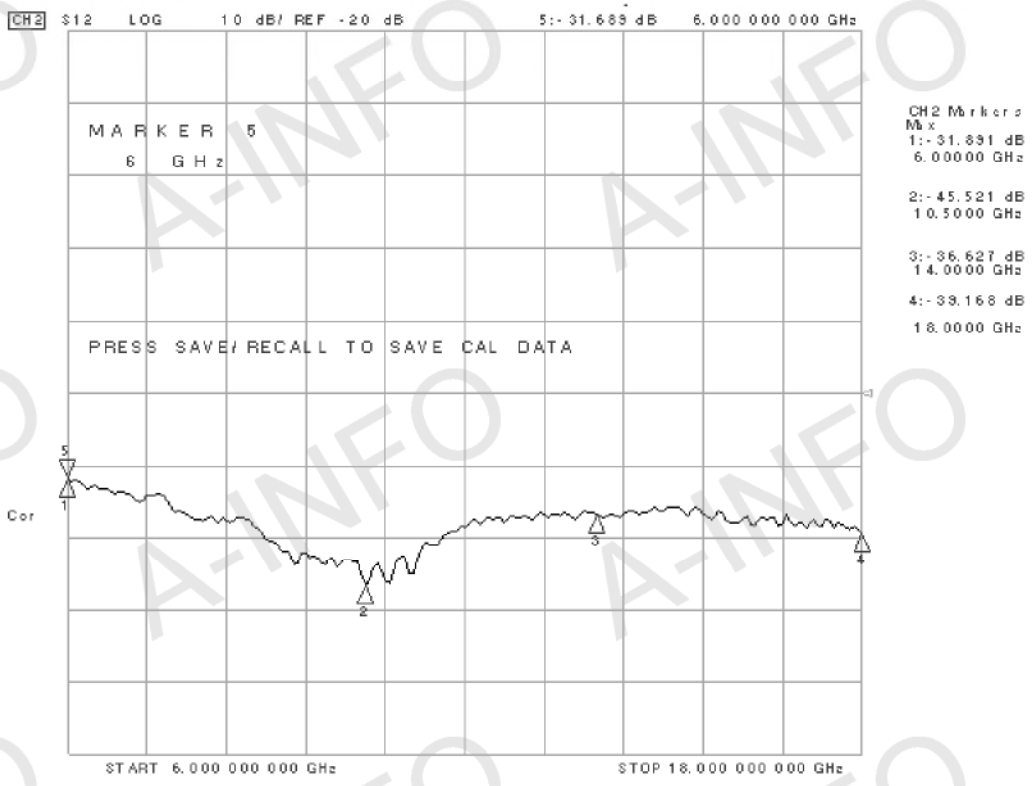
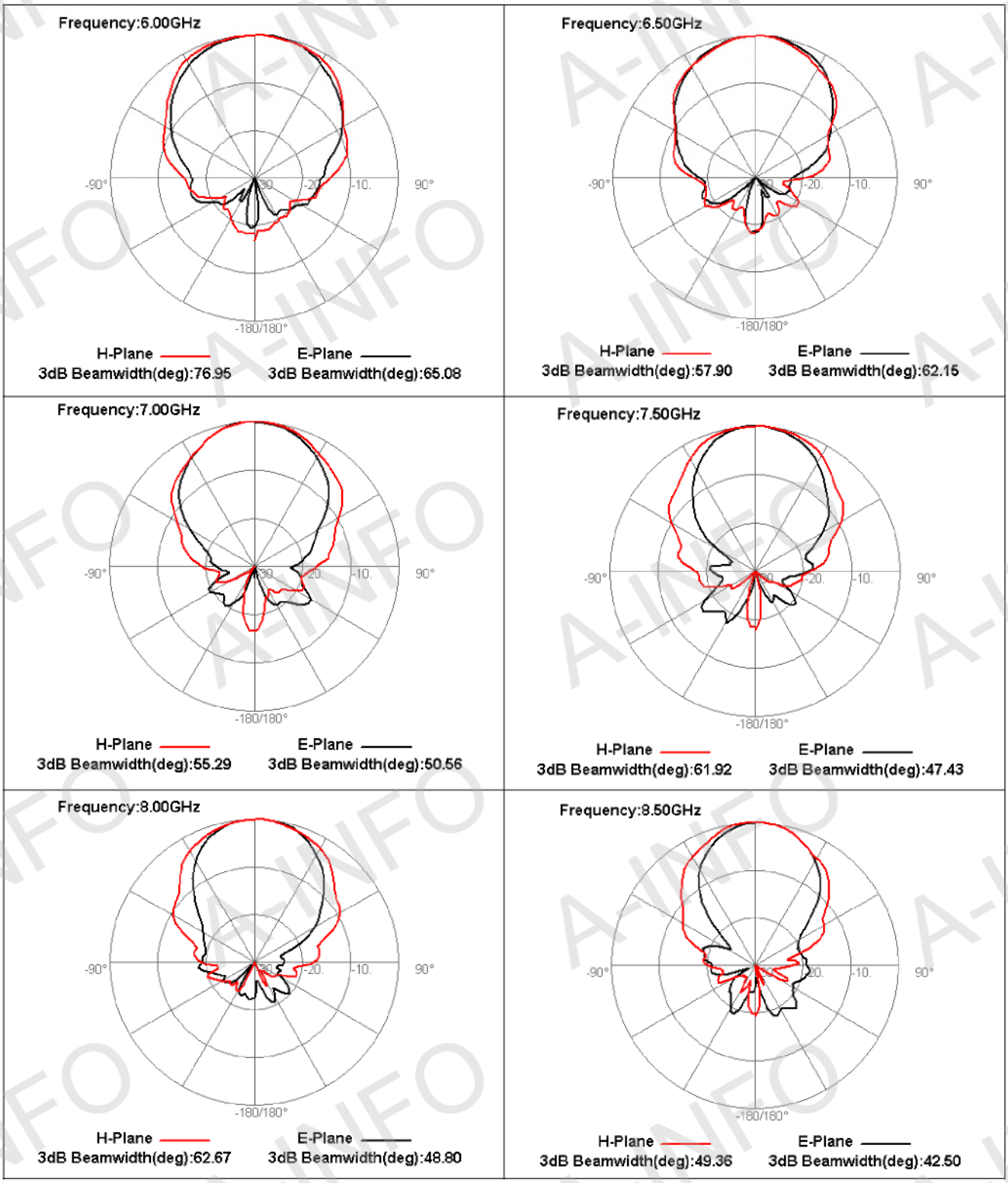
3. Cross Polarization Isolation



4. Port to Port Isolation



5. Pattern



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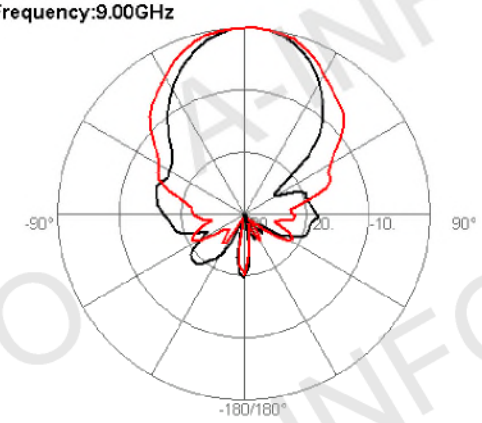
A-INFO

LB-SJ-60180
6.0-18.0GHz Dual Polarization Horn Antenna

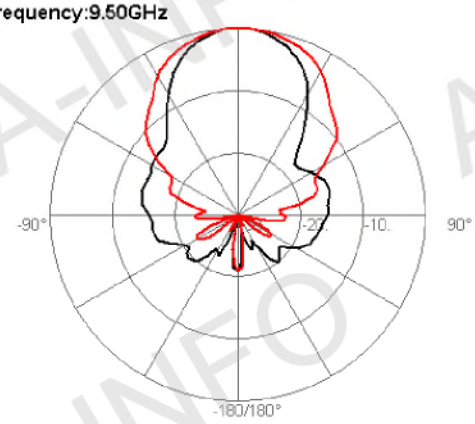
Frequency:9.00GHz



H-Plane
3dB Beamwidth(deg):50.60

E-Plane
3dB Beamwidth(deg):40.74

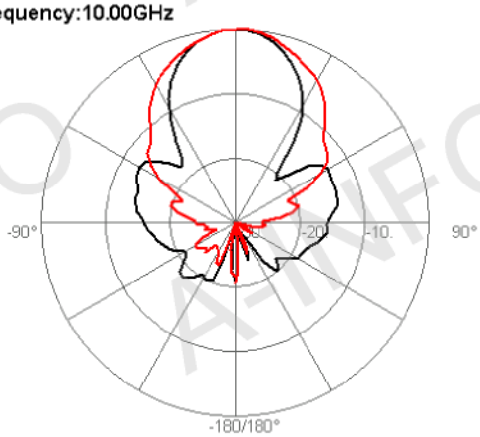
Frequency:9.50GHz



H-Plane
3dB Beamwidth(deg):54.30

E-Plane
3dB Beamwidth(deg):38.95

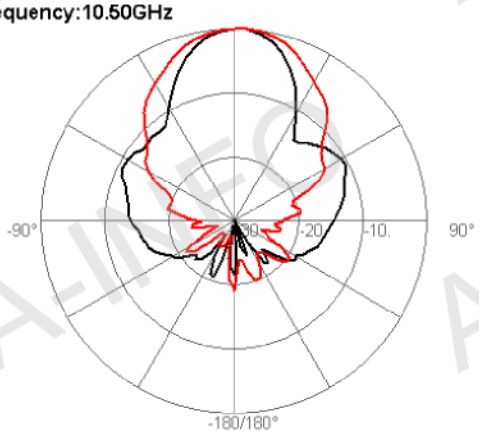
Frequency:10.00GHz



H-Plane
3dB Beamwidth(deg):42.14

E-Plane
3dB Beamwidth(deg):34.82

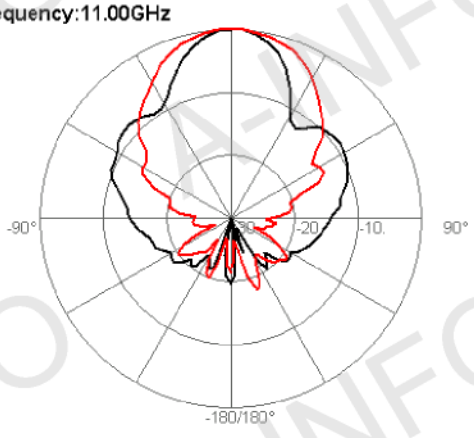
Frequency:10.50GHz



H-Plane
3dB Beamwidth(deg):44.16

E-Plane
3dB Beamwidth(deg):31.47

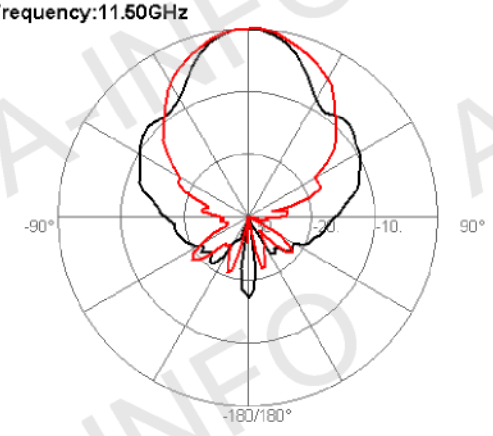
Frequency:11.00GHz



H-Plane
3dB Beamwidth(deg):49.09

E-Plane
3dB Beamwidth(deg):31.63

Frequency:11.50GHz



H-Plane
3dB Beamwidth(deg):42.69

E-Plane
3dB Beamwidth(deg):32.57

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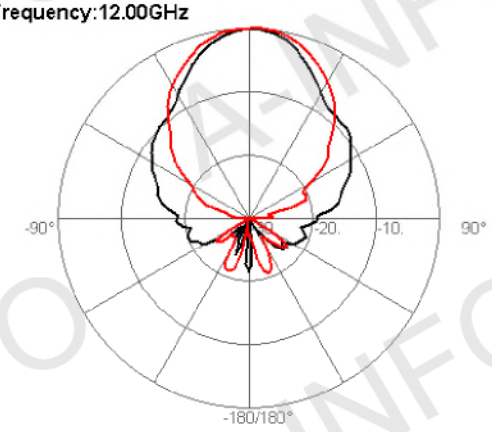
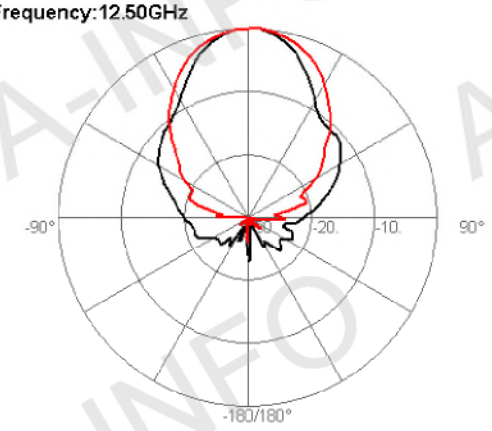
Frequency:12.00GHz



H-Plane
3dB Beamwidth(deg):42.71

E-Plane
3dB Beamwidth(deg):34.04

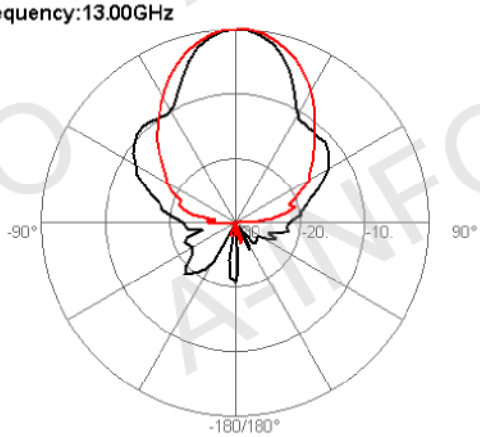
Frequency:12.50GHz



H-Plane
3dB Beamwidth(deg):41.92

E-Plane
3dB Beamwidth(deg):32.69

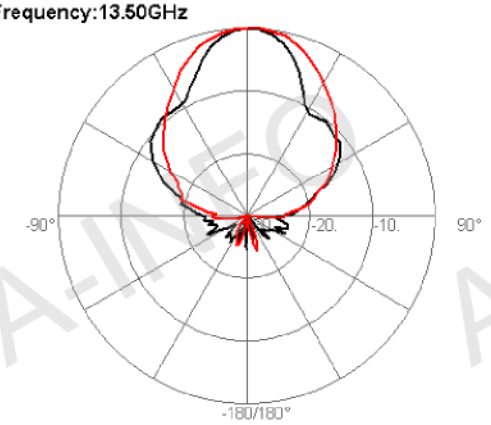
Frequency:13.00GHz



H-Plane
3dB Beamwidth(deg):37.23

E-Plane
3dB Beamwidth(deg):29.03

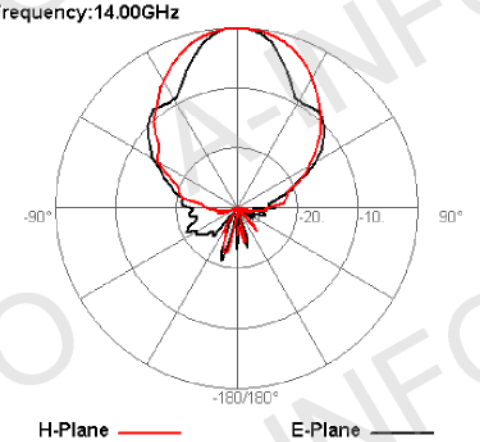
Frequency:13.50GHz



H-Plane
3dB Beamwidth(deg):40.94

E-Plane
3dB Beamwidth(deg):28.14

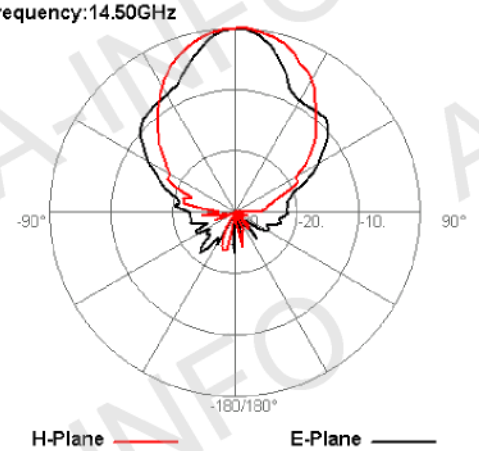
Frequency:14.00GHz



H-Plane
3dB Beamwidth(deg):44.69

E-Plane
3dB Beamwidth(deg):28.19

Frequency:14.50GHz



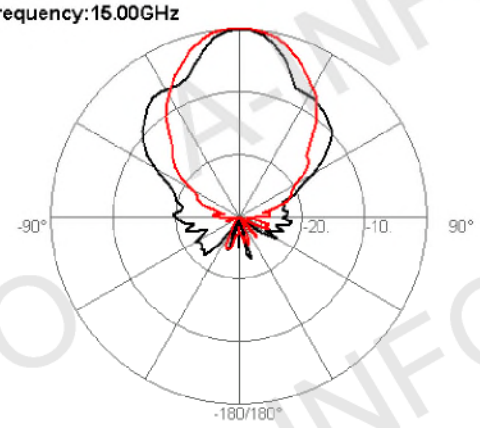
H-Plane
3dB Beamwidth(deg):41.64

E-Plane
3dB Beamwidth(deg):26.40

A-INFO

LB-SJ-60180
6.0-18.0GHz Dual Polarization Horn Antenna

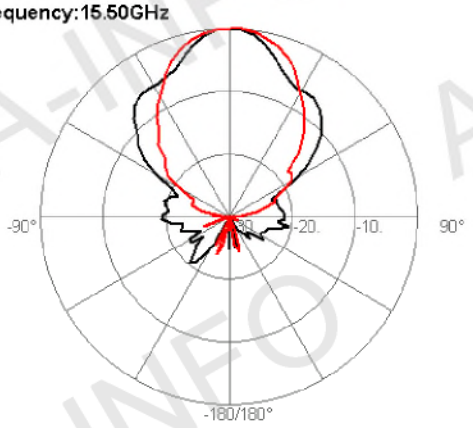
Frequency:15.00GHz



H-Plane
3dB Beamwidth(deg):38.22

E-Plane
3dB Beamwidth(deg):26.91

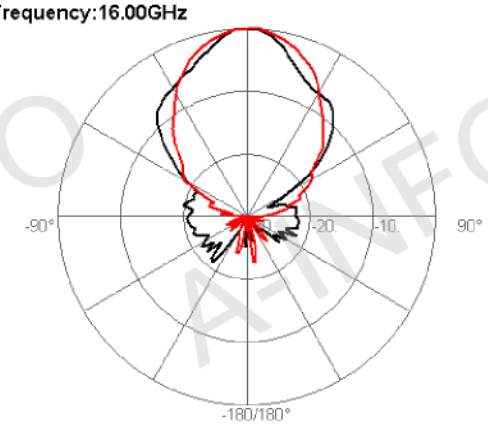
Frequency:15.50GHz



H-Plane
3dB Beamwidth(deg):38.30

E-Plane
3dB Beamwidth(deg):28.46

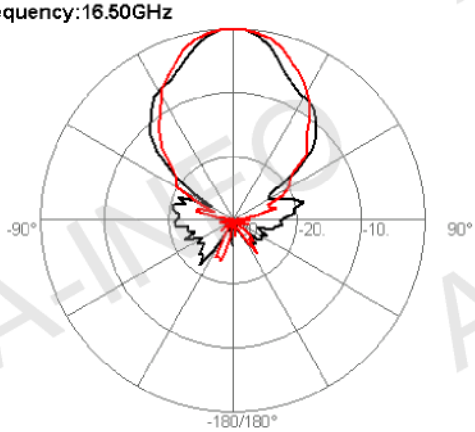
Frequency:16.00GHz



H-Plane
3dB Beamwidth(deg):37.59

E-Plane
3dB Beamwidth(deg):27.25

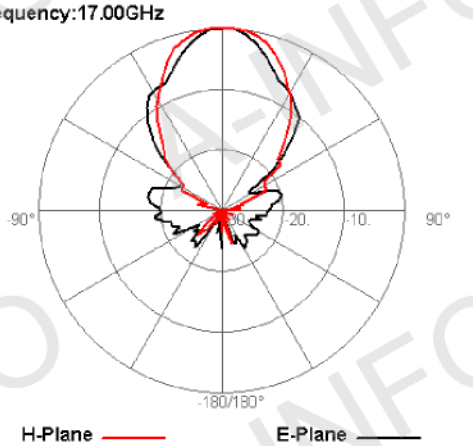
Frequency:16.50GHz



H-Plane
3dB Beamwidth(deg):36.39

E-Plane
3dB Beamwidth(deg):27.64

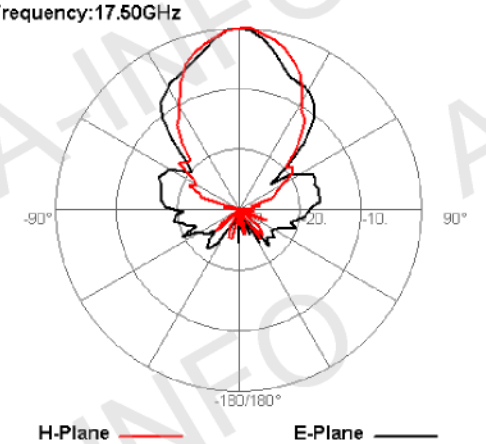
Frequency:17.00GHz



H-Plane
3dB Beamwidth(deg):37.63

E-Plane
3dB Beamwidth(deg):27.50

Frequency:17.50GHz



H-Plane
3dB Beamwidth(deg):33.44

E-Plane
3dB Beamwidth(deg):24.37

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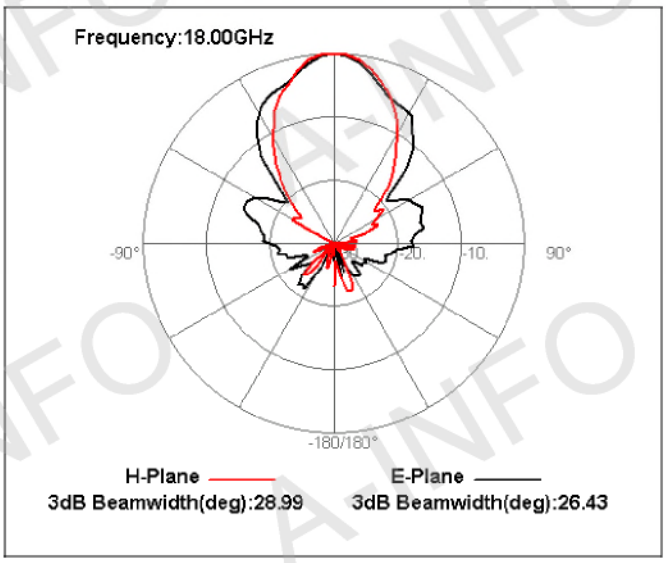
Frequency:18.00GHz
-90°
-20.
-10.
90°
-180/180°
H-Plane
3dB Beamwidth(deg):28.99
E-Plane
3dB Beamwidth(deg):26.43