Technical Specification

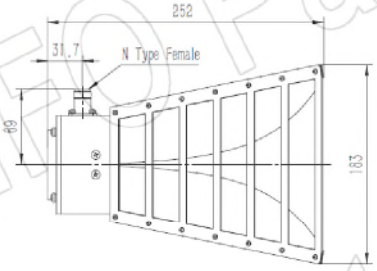
Frequency Range(GHz)	0.7 – 8.0	
Gain(dBi)	10 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	26 - 110
	H Plane:	24 - 67
Cross Pol. Isolation(dB)	30 Typ.	
VSWR	2.0:1 Typ.	
Connector	N-Female or SMA-Female	
Power Handling(W CW)	N-Female:	300 Max.
	SMA-Female:	50 Max.
Material	Al	
Size(mm)	284 x 183 x 252	
Net Weight(Kg)	2.1 Around	

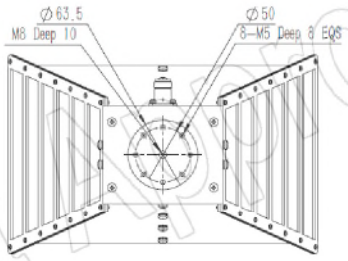
APPROVED PATENT ID:	**ZL201630454657.5**

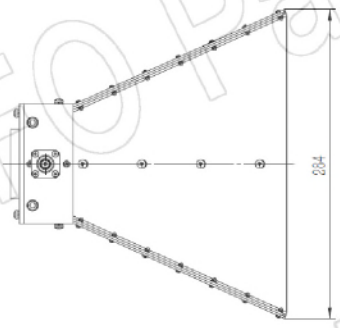
Outline Drawing (Size: mm)

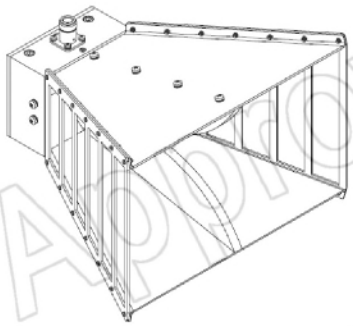
N-Female Output (P/N: LB-780-NF)

For SMA-Female output outline drawing, please contact A-INFO.









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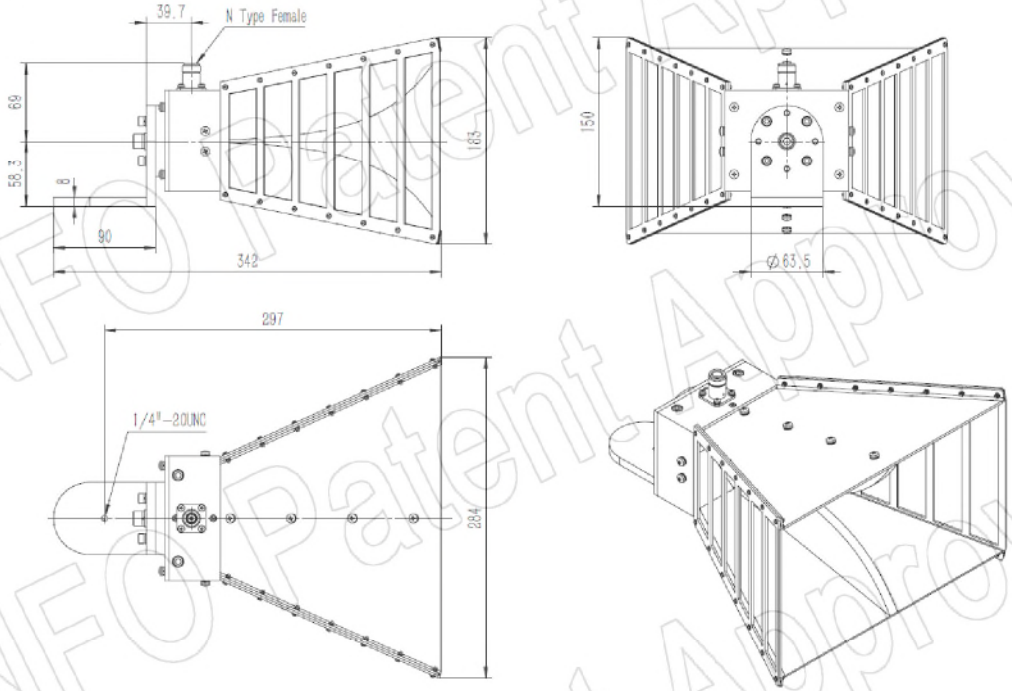
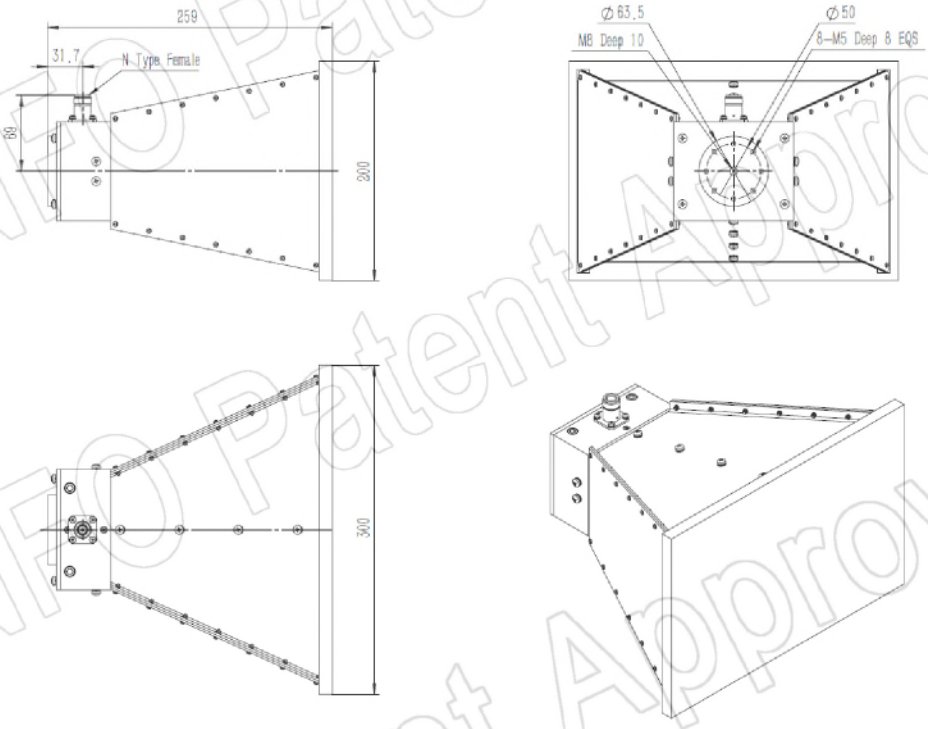
N-Female Output with L Type Mounting Bracket (Option, P/N: LB-10180-L)

For SMA-Female output outline drawing, please contact A-INFO.



N-Female Output with Radome (Option, P/N: LB-780-NFSPO, Outdoor Application)

For SMA-Female output outline drawing, please contact A-INFO.



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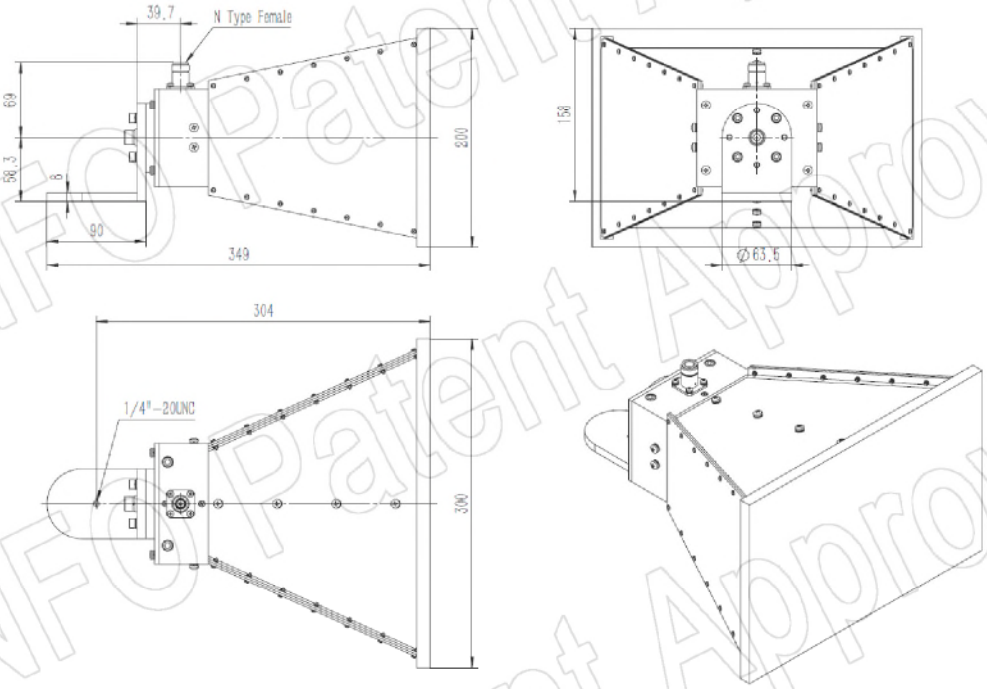
N-Female Output with L Type Mounting Bracket and Radome (Option, P/N: LB-10180-L & LB-780-NFSPO, Outdoor Application)

For SMA-Female output outline drawing, please contact A-INFO.



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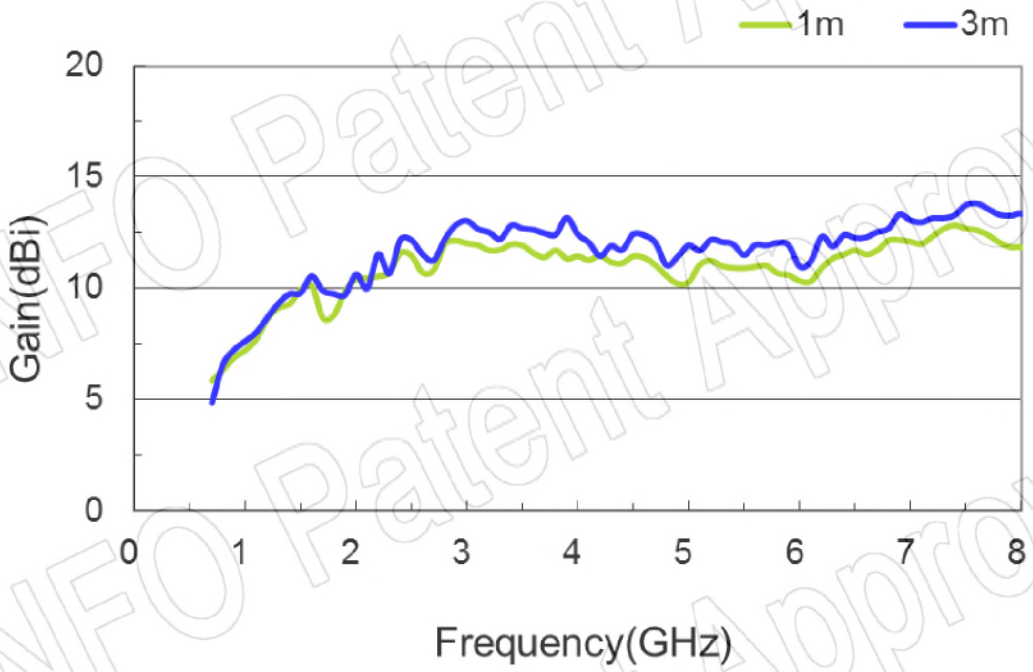
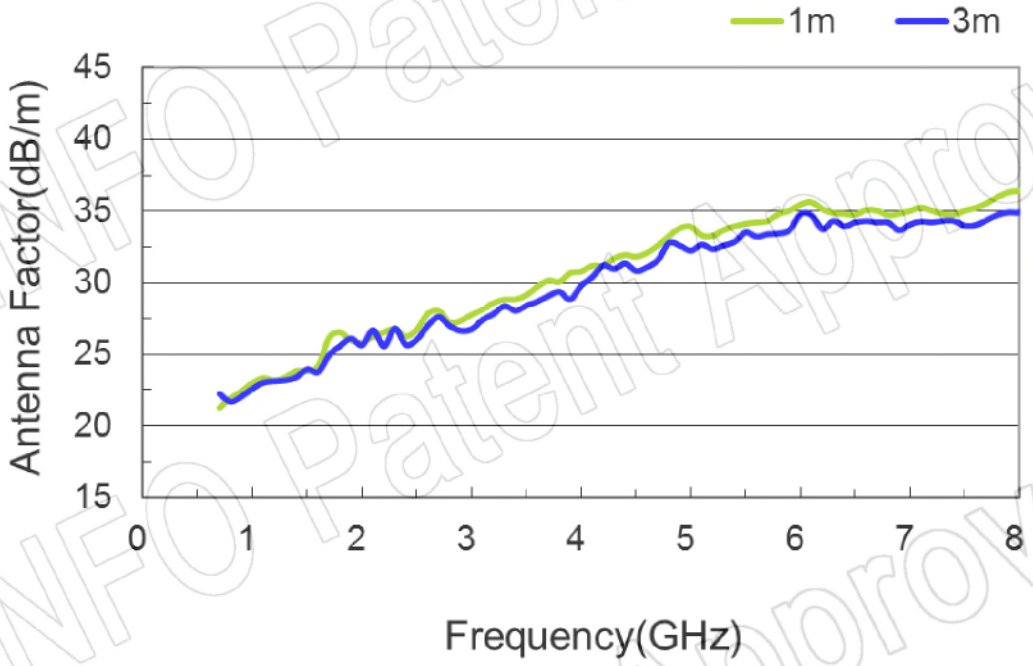
Test Results

1. Gain & Antenna Factor





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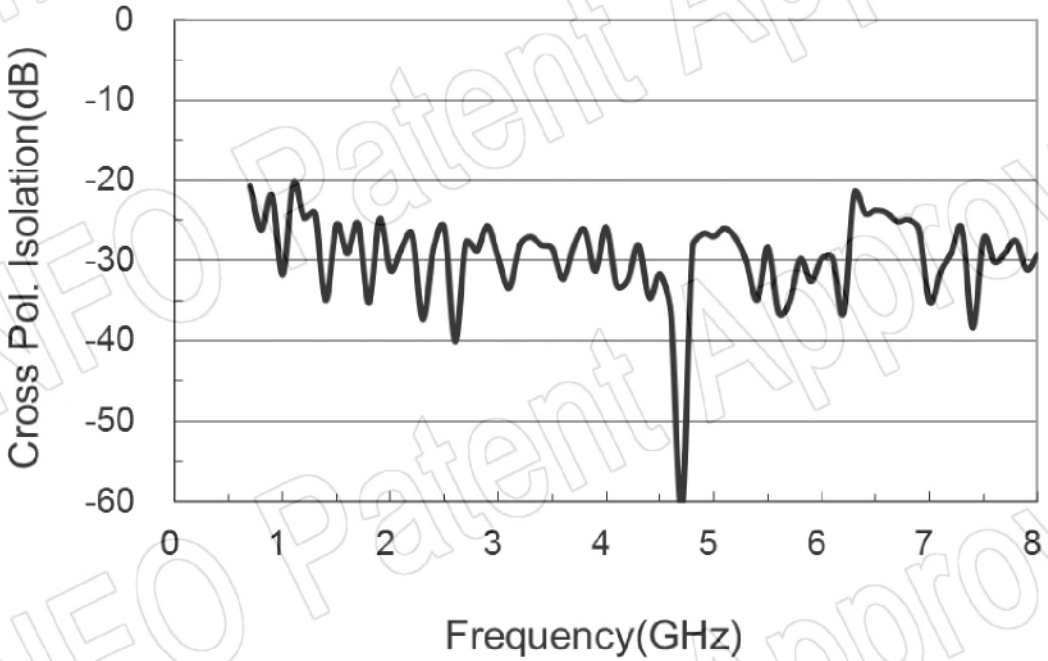
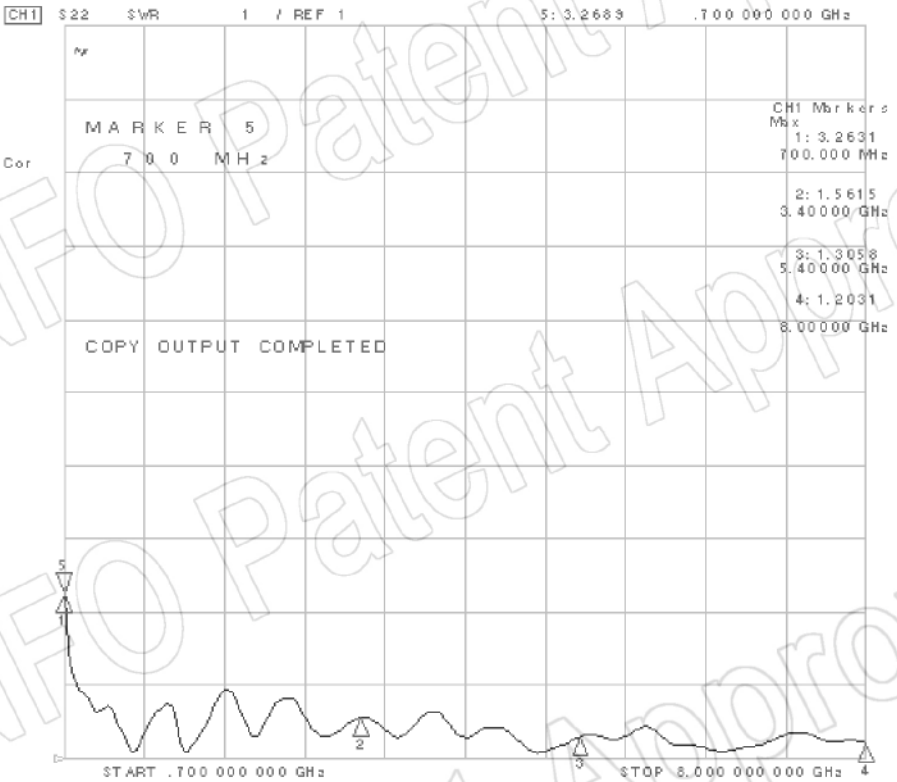
2. Cross Polarization Isolation



3. VSWR



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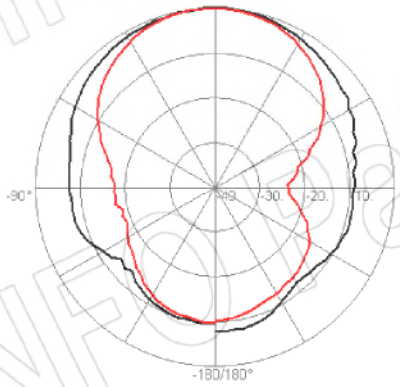
4. Pattern

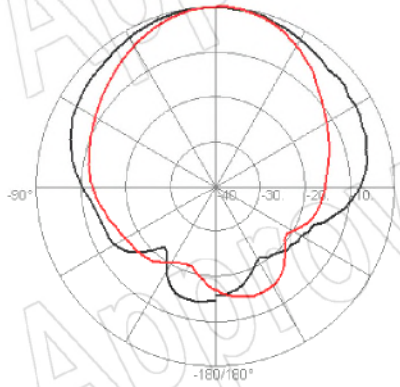
Frequency: 0.7GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 62.37 3dB Beamwidth (deg): 91.27

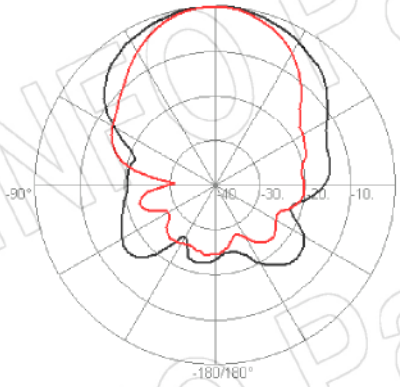
Frequency: 1GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 52.08 3dB Beamwidth (deg): 81.09

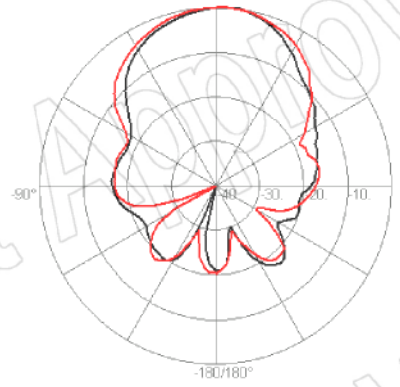
Frequency: 1.5GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 42.58 3dB Beamwidth (deg): 62.46

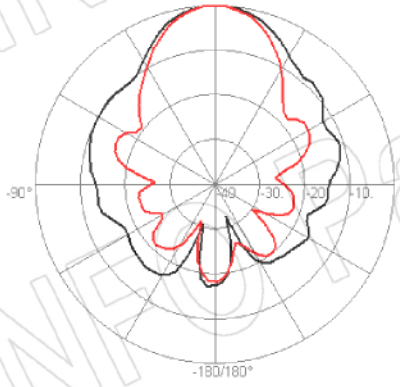
Frequency: 2GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 53.97 3dB Beamwidth (deg): 44.74

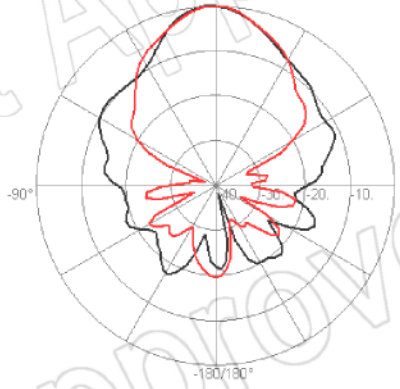
Frequency: 2.5GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 31.06 3dB Beamwidth (deg): 36.59

Frequency: 3GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 29.23 3dB Beamwidth (deg): 29.62

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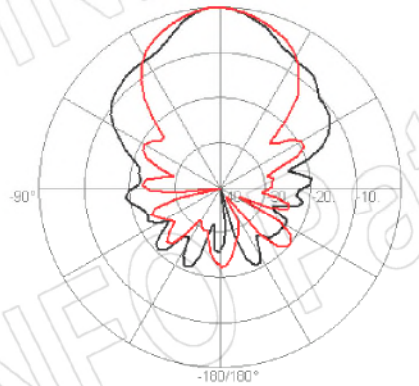
Frequency: 3.5GHz



H-Plane E-Plane

3dB Beamwidth (deg): 37.57 3dB Beamwidth (deg): 29.13

Frequency: 4GHz

H-Plane E-Plane

3dB Beamwidth (deg): 42.50 3dB Beamwidth (deg): 26.12

Frequency: 4.5GHz

H-Plane E-Plane

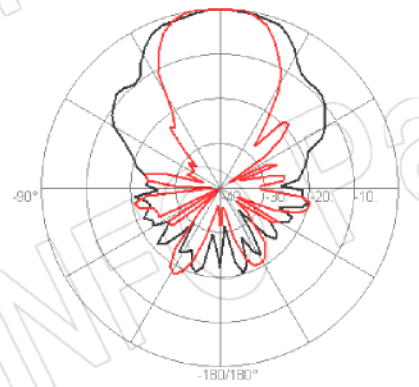
3dB Beamwidth (deg): 37.49 3dB Beamwidth (deg): 29.68

Frequency: 5GHz

H-Plane E-Plane

3dB Beamwidth (deg): 39.18 3dB Beamwidth (deg): 52.14

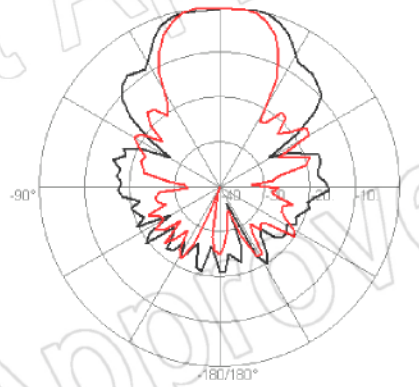
Frequency: 5.5GHz



H-Plane E-Plane

3dB Beamwidth (deg): 36.51 3dB Beamwidth (deg): 49.94

Frequency: 6GHz



H-Plane E-Plane

3dB Beamwidth (deg): 35.72 3dB Beamwidth (deg): 46.19

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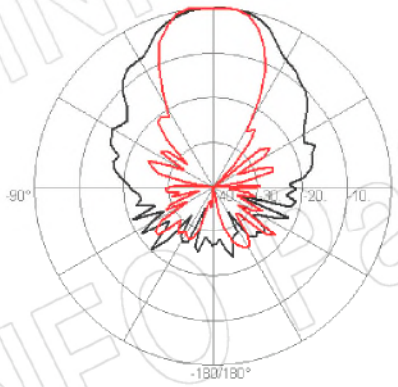
Frequency: 6.5GHz



H-Plane ——— E-Plane ———

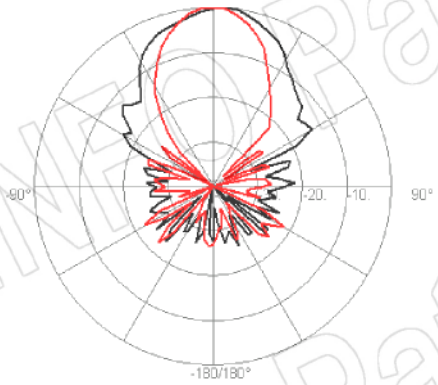
3dB Beamwidth (deg): 32.15 3dB Beamwidth (deg): 39.79

Frequency: 7GHz

H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 28.20 3dB Beamwidth (deg): 33.94

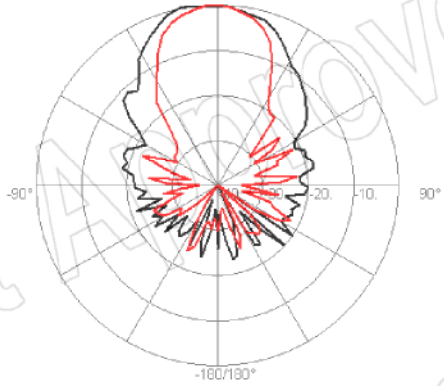
Frequency: 7.5GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 24.65 3dB Beamwidth (deg): 33.50

Frequency: 8GHz



H-Plane ——— E-Plane ———

3dB Beamwidth (deg): 30.79 3dB Beamwidth (deg): 40.86

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