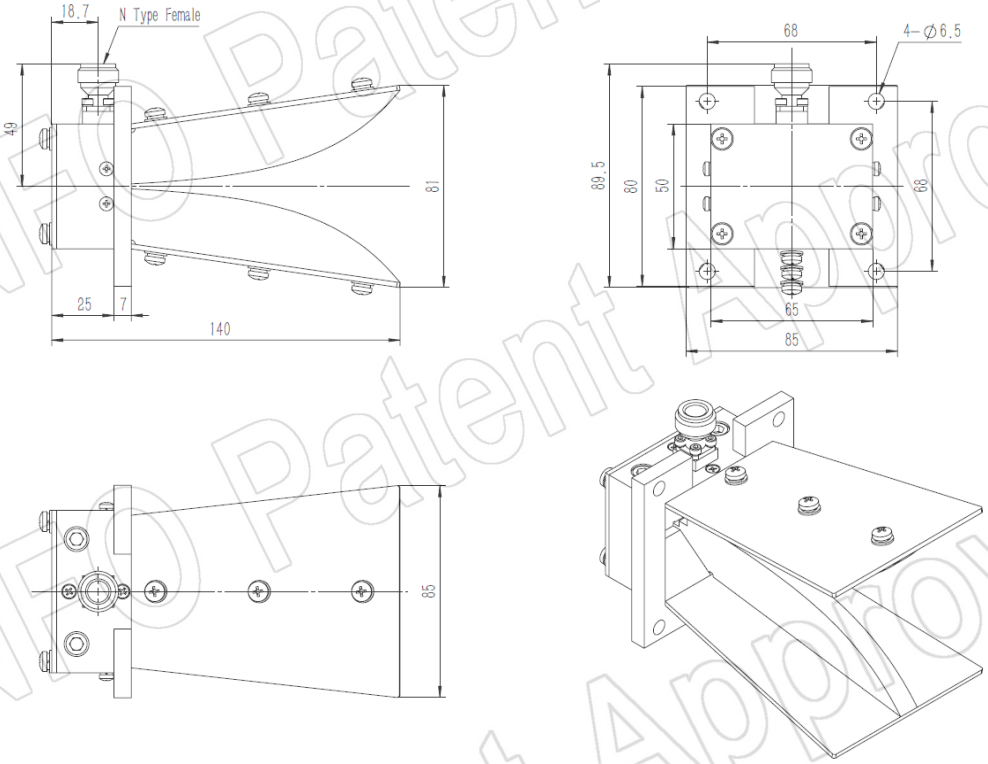
Technical Specification

Frequency Range(GHz)	1.0 – 8.0	
Gain(dBi)	10 Typ.	
Polarization	Linear	
3dB Beamwidth(deg)	E Plane:	121 - 27
	H Plane:	229 - 43
Cross Pol. Isolation(dB)	25 Typ.	
VSWR	2.5:1 Typ.	
Connector	N-Female	
	or SMA-Female	
Power Handling(W CW)	N-Female:	150 Max.
	SMA-Female:	50 Max.
Material	Al	
Size(mm)	85 x 89.5 x 140	
Net Weight(Kg)	0.5 Around	

APPROVED PATENT ID:	**ZL201630454645.2**

Outline Drawing (Size: mm)

N-Female Output (P/N: LB-10180-M-NF)



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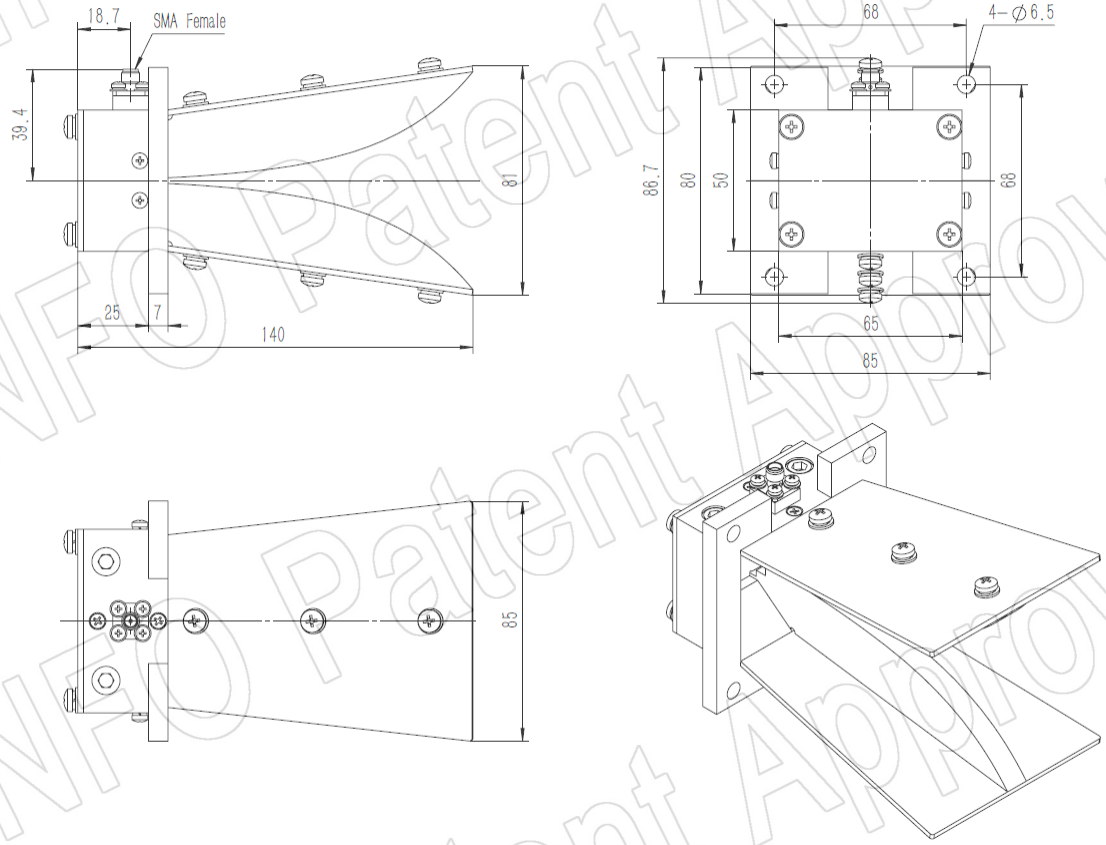
SMA-Female Output (P/N: LB-10180-M-SF)



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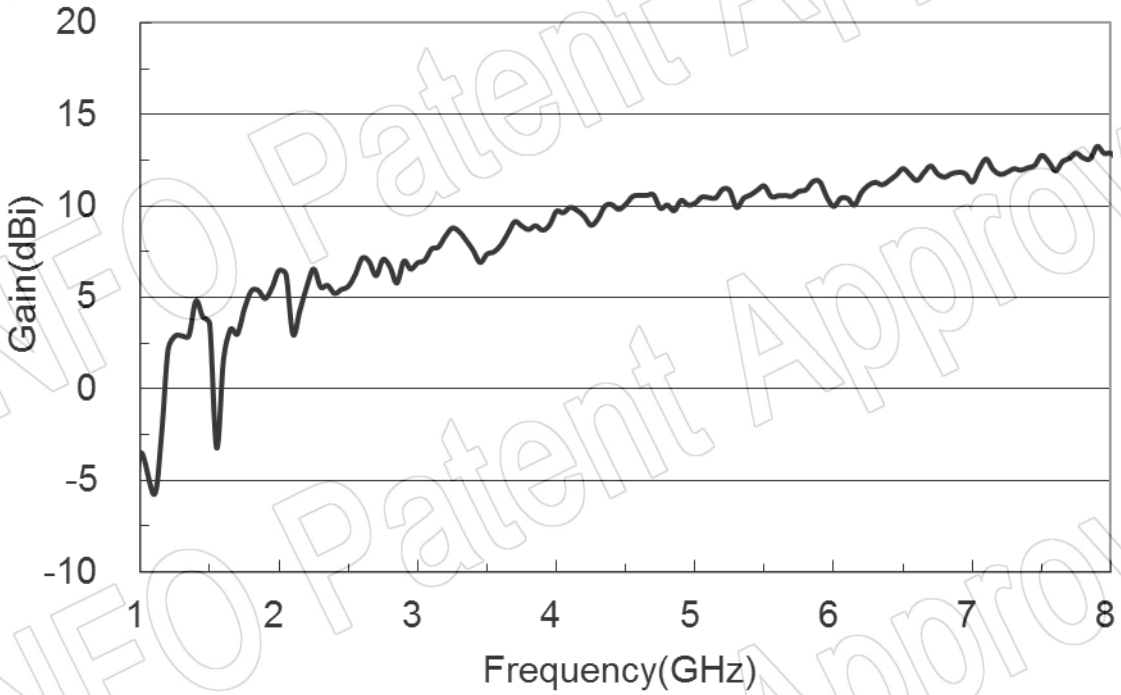
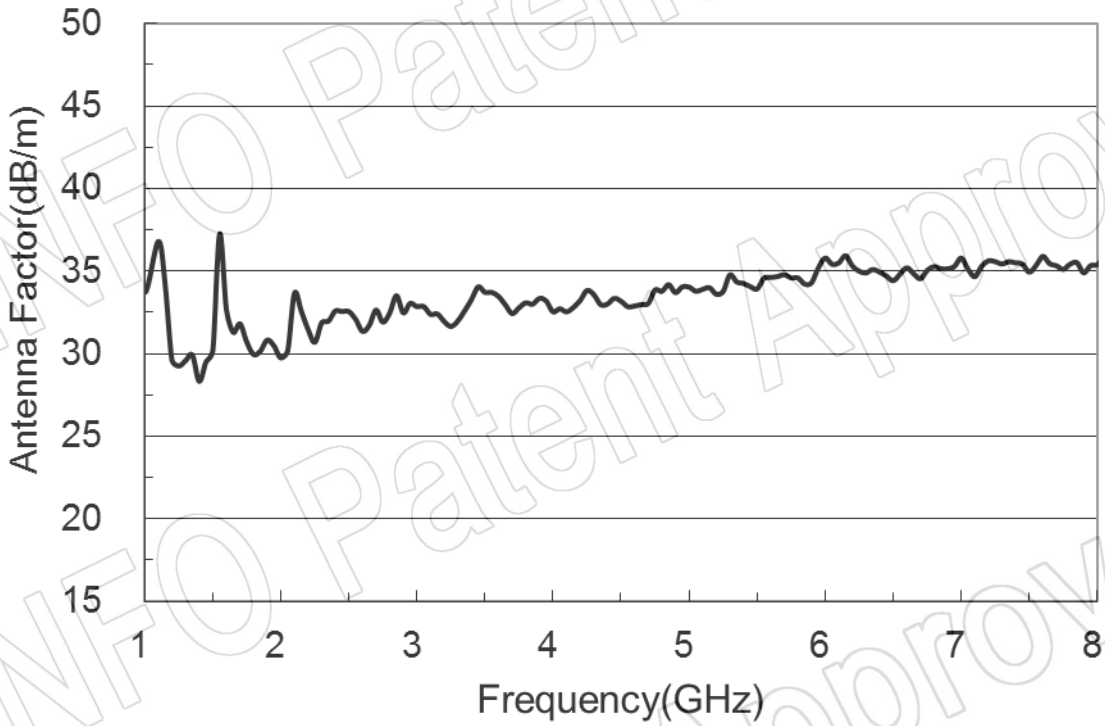
Test Results

1. Gain & Antenna Factor





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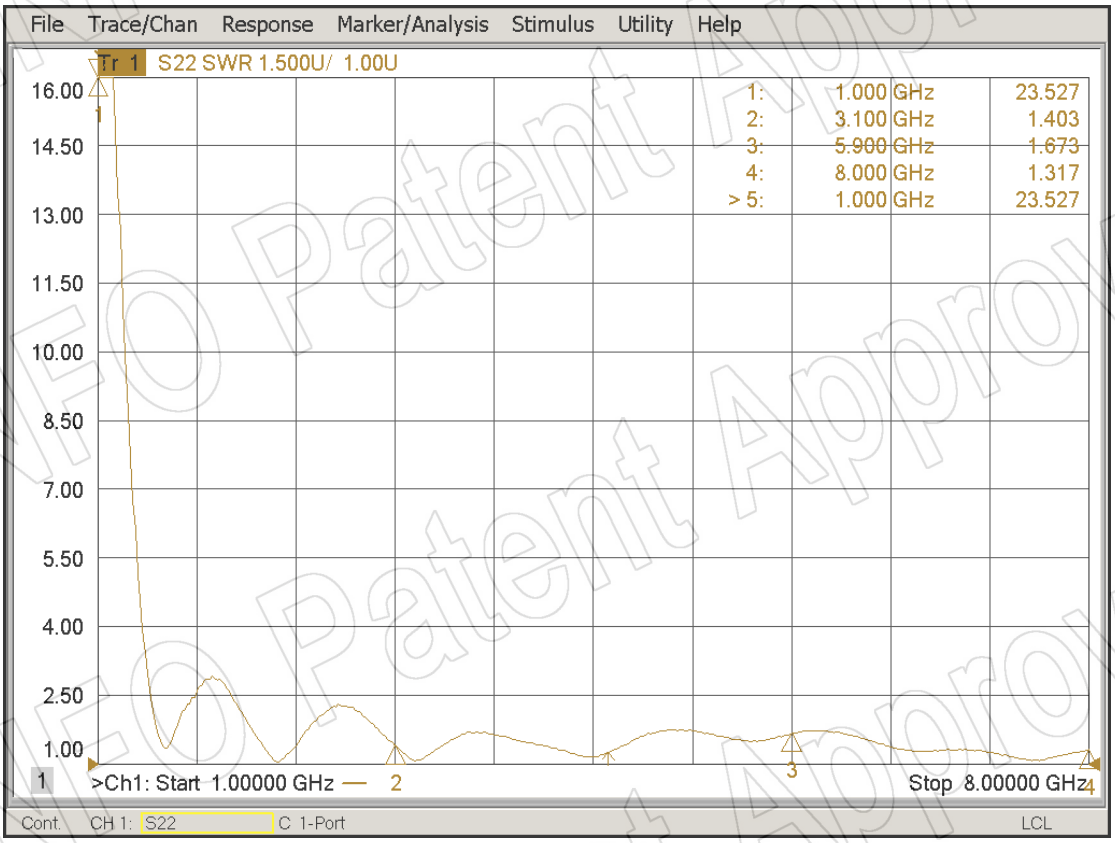
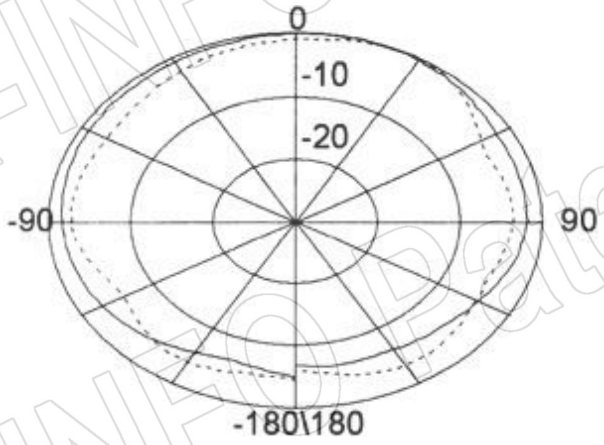
2. VSWR



3. Pattern

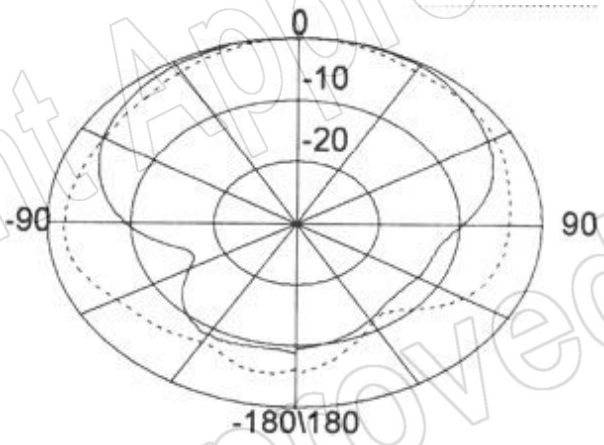
Frequency: 1GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 228.74 3dB Beamwidth (deg): 97.21

Frequency: 1.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 118.75 3dB Beamwidth (deg):120.80

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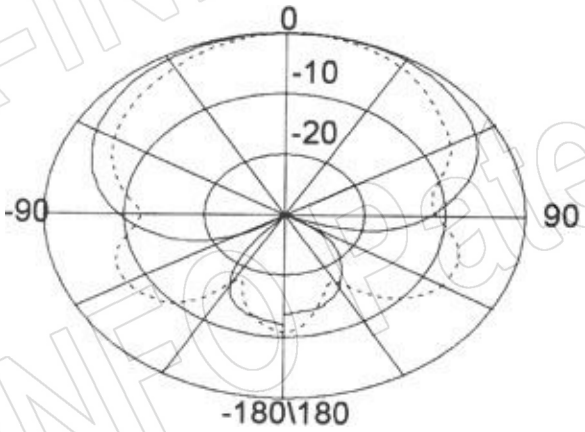
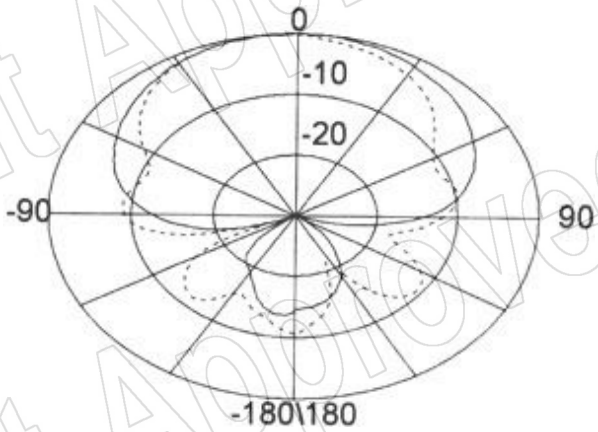
Frequency: 2GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 123.45 3dB Beamwidth (deg): 78.09

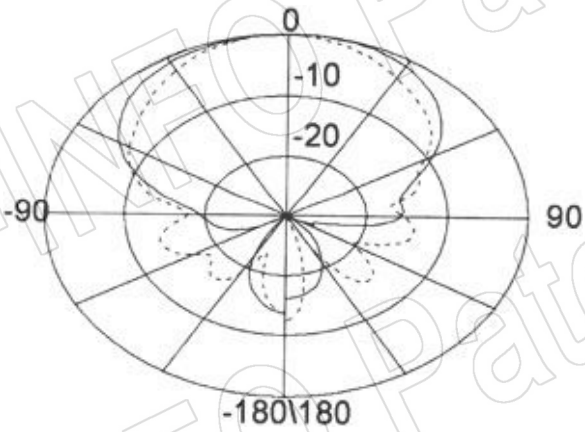
Frequency: 2.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 95.17 3dB Beamwidth (deg): 71.28

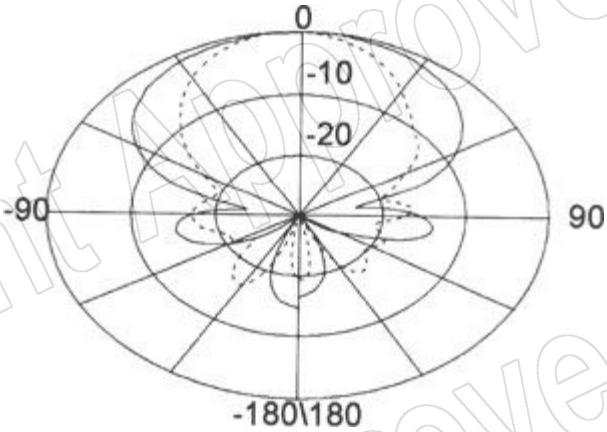
Frequency: 3GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 90.75 3dB Beamwidth (deg): 62.74

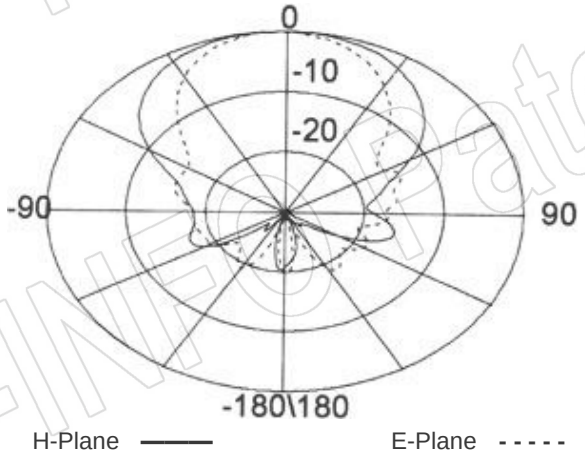
Frequency: 3.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 87.40 3dB Beamwidth (deg): 46.74

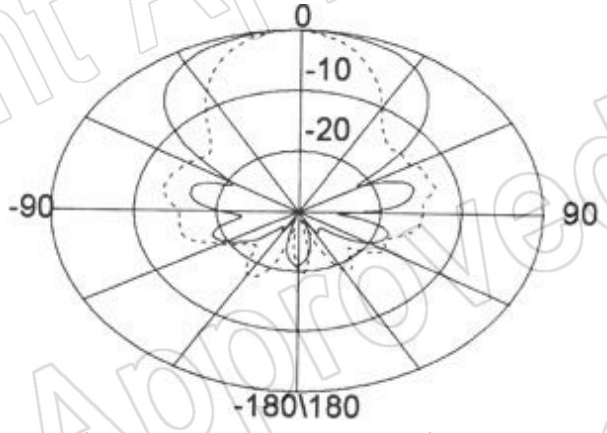
Frequency: 4GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 73.55 3dB Beamwidth (deg): 47.55

Frequency: 4.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 67.92 3dB Beamwidth (deg): 35.32

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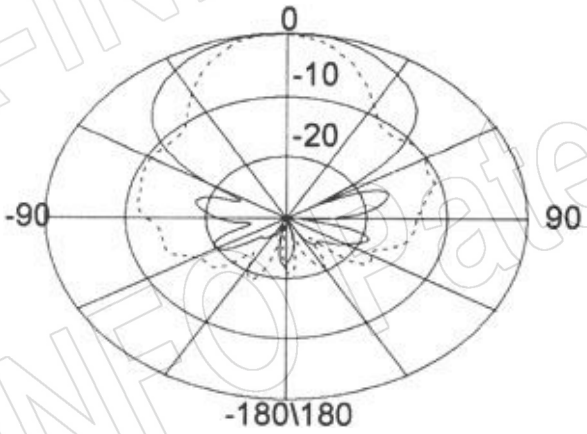
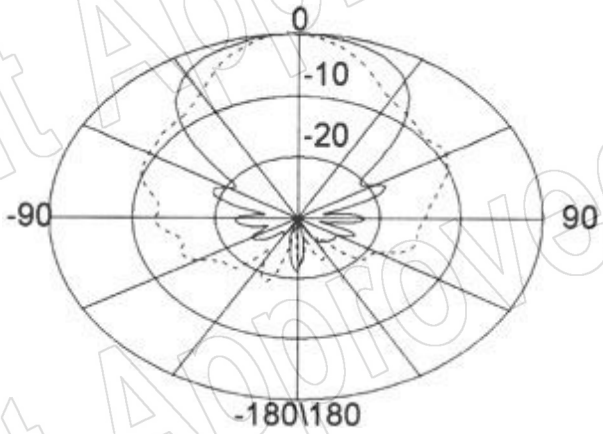
Frequency: 5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 65.39 3dB Beamwidth (deg): 37.29

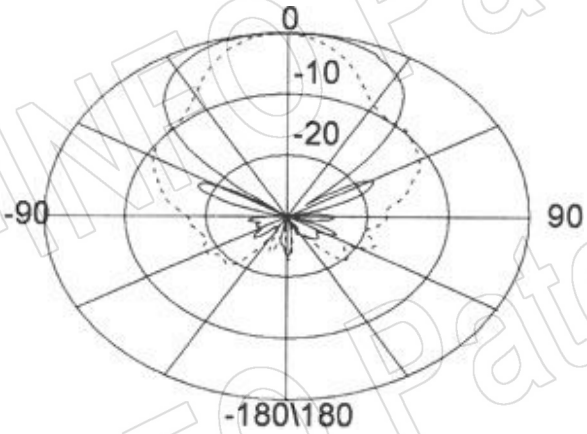
Frequency: 5.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 57.35 3dB Beamwidth (deg): 35.49

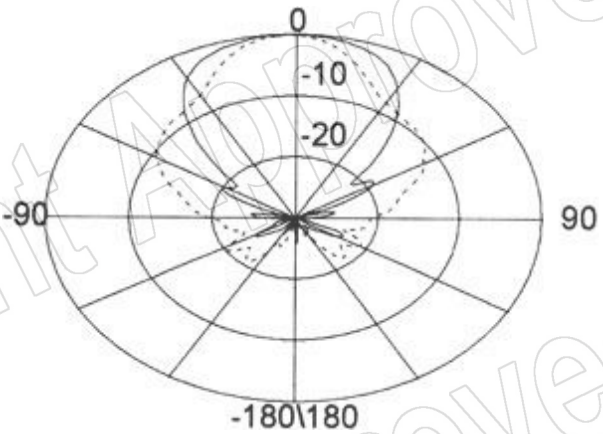
Frequency: 6GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 60.89 3dB Beamwidth (deg): 33.38

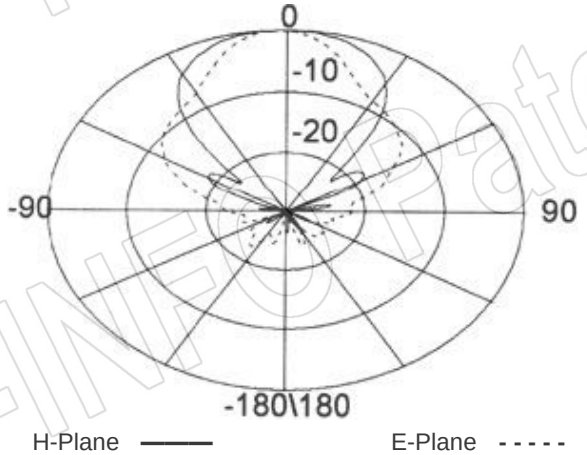
Frequency: 6.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 52.34 3dB Beamwidth (deg): 32.30

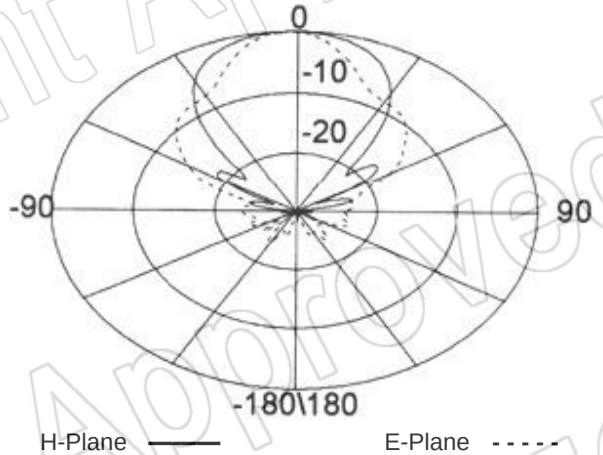
Frequency: 7GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 52.38 3dB Beamwidth (deg): 30.68

Frequency: 7.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 47.65 3dB Beamwidth (deg): 28.07

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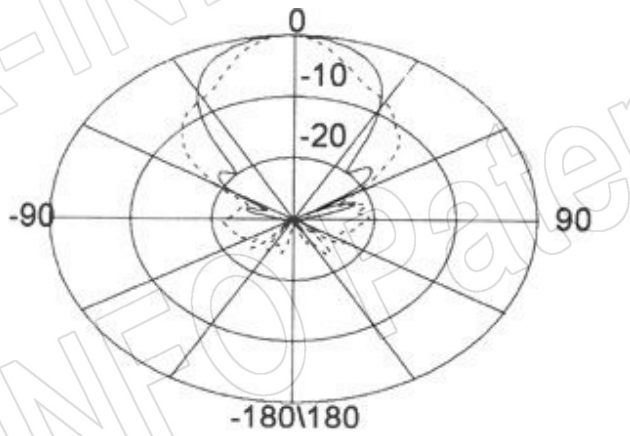
Frequency: 8GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 43.89 3dB Beamwidth (deg): 27.49

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