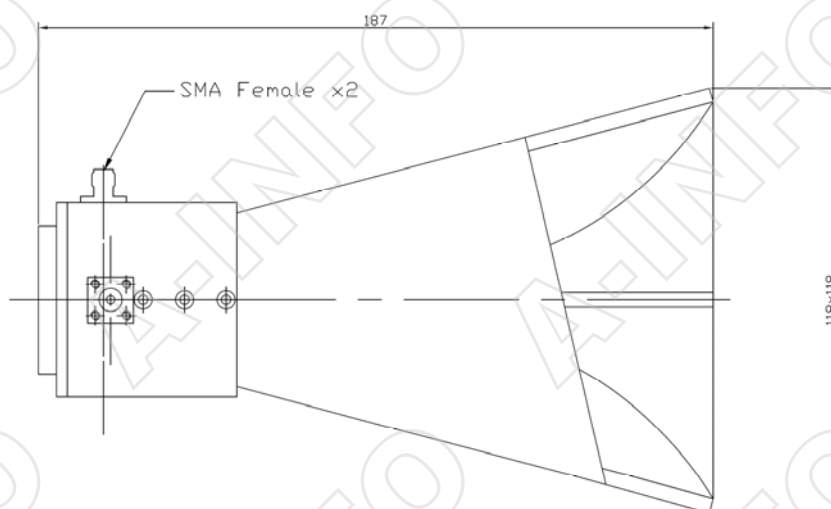


Technical Specification (Pattern tested by NSI - www.nearfield.com)

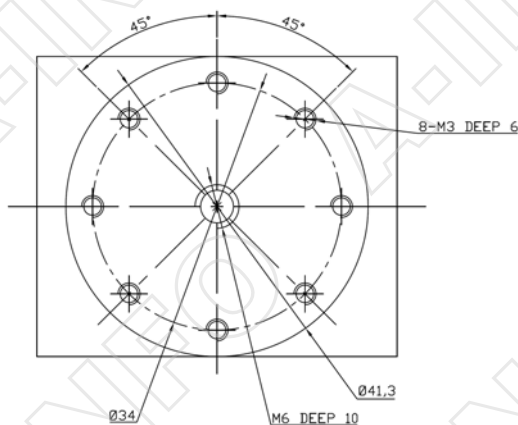


Frequency Range(GHz)	2 - 18
Gain(dB)	15 Typ.
Polarization	Dual Pol.
VSWR	2.0 :1 Typ.
	3.0:1 Max.
3dB Beamwidth(deg)	80-10
Port to Port Isolation(dB)	20 Min.
Connector	SMA -Female
Power Handling(W)	25 Max. CW
Size(mm)	118 x 118 x 187
Net Weight(Kg)	0.9 Around

Outline Drawing (Size: mm)

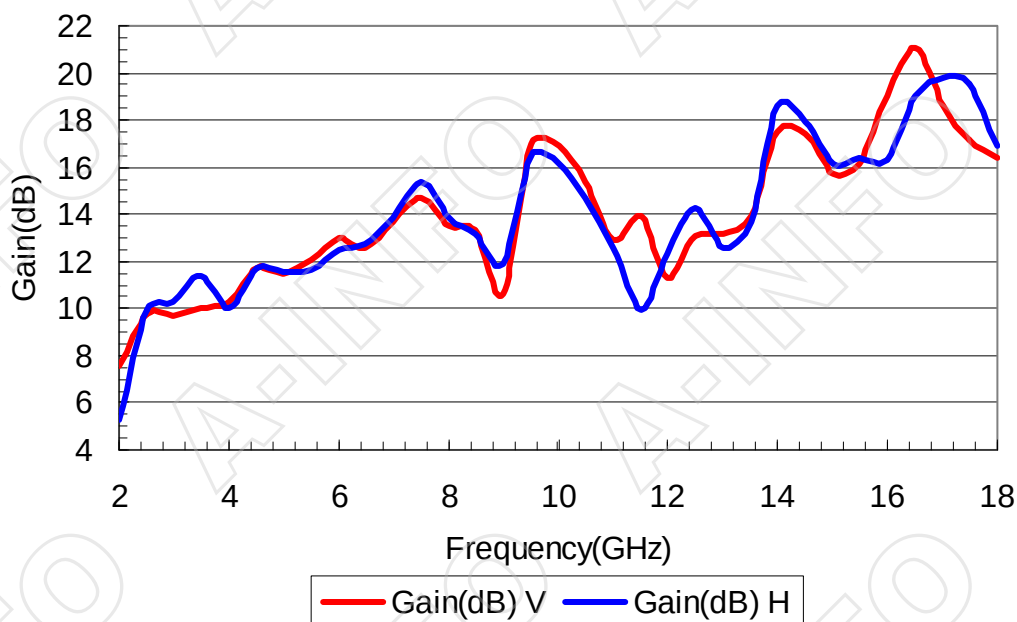


Mounting Flange

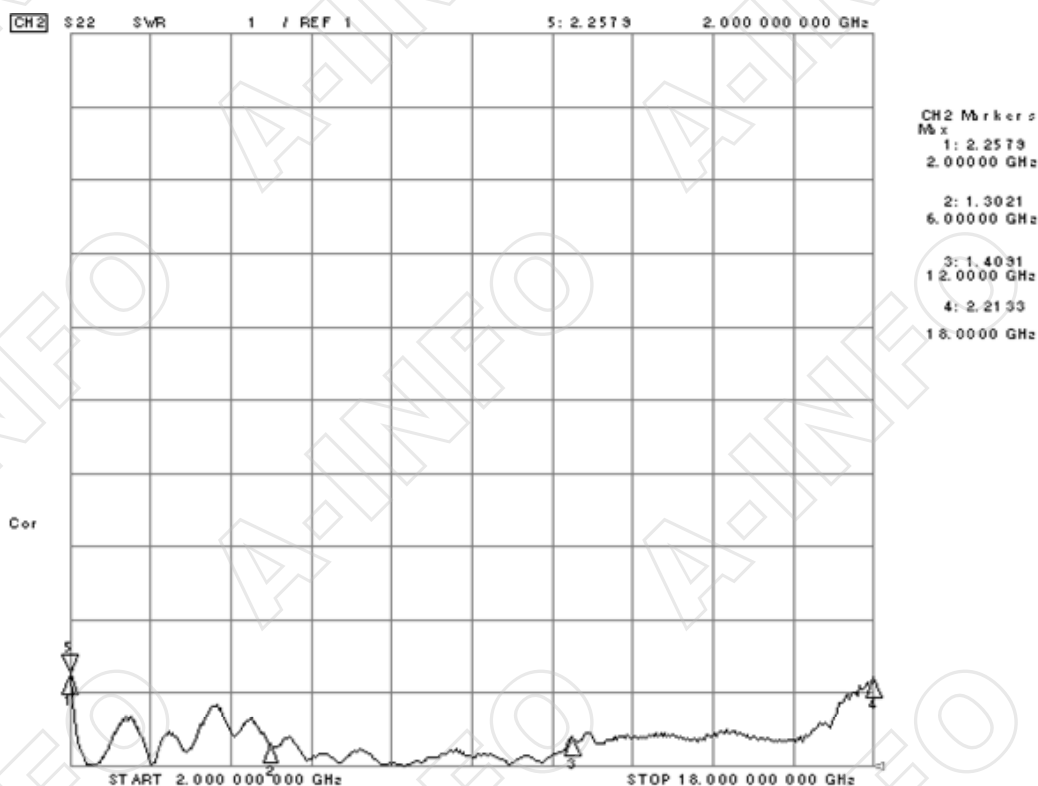


Test Results

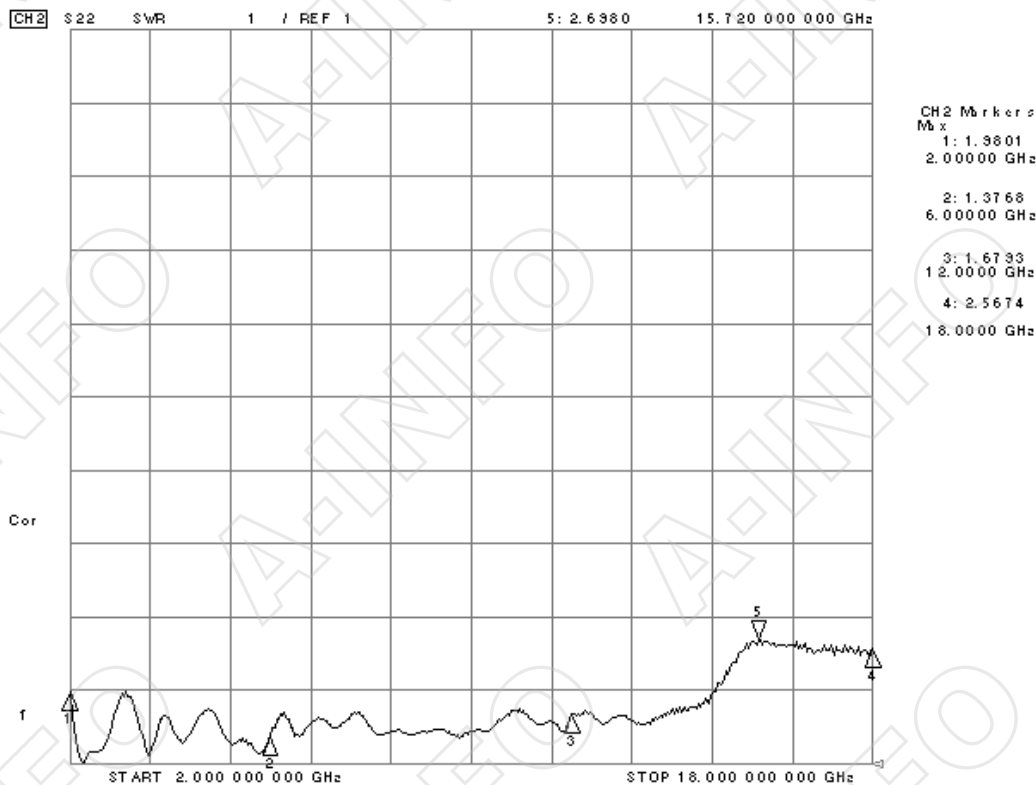
1. Gain



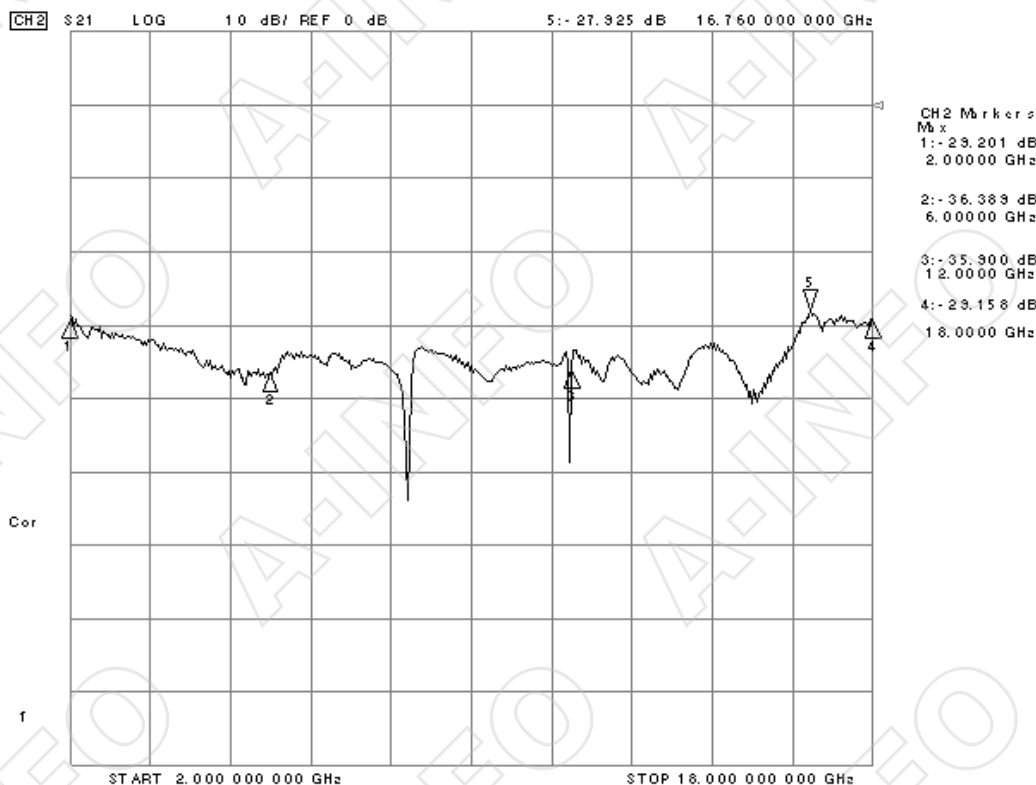
2. VSWR Port-V



Port-H

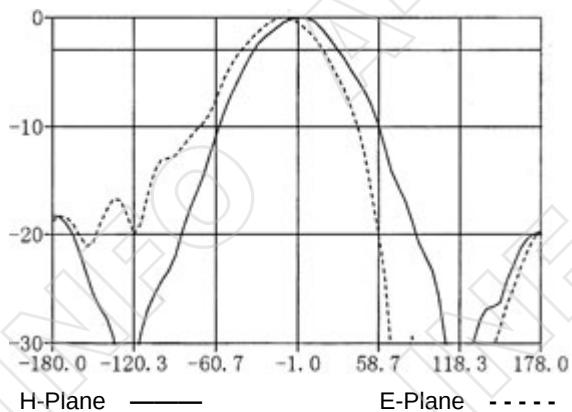


3. Port to Port Isolation



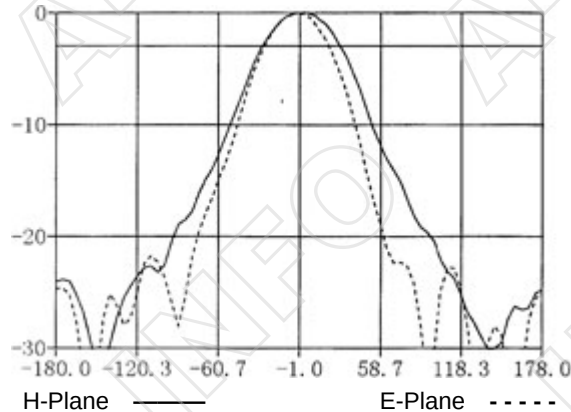
4. Pattern

Frequency: 2GHz



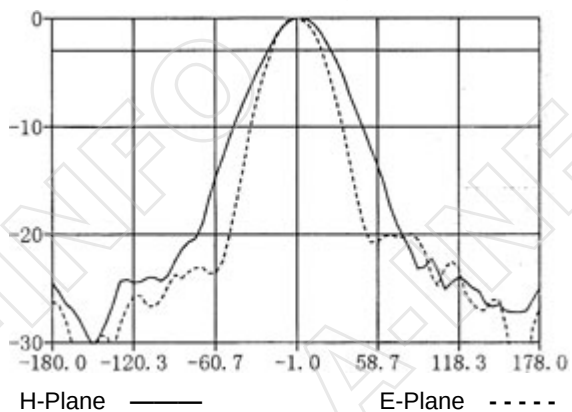
3dB Beamwidth (deg): 61.45 3dB Beamwidth (deg): 59.92

Frequency: 2.5GHz



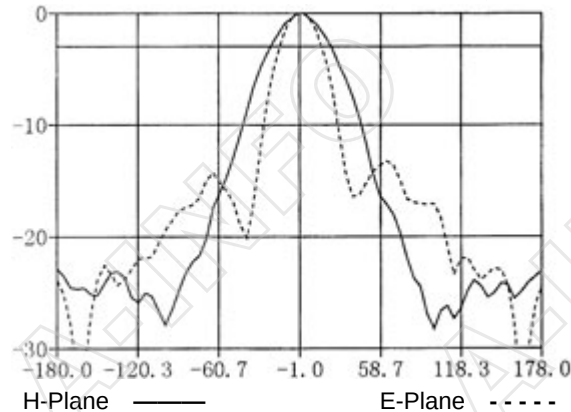
3dB Beamwidth (deg): 57.45 3dB Beamwidth (deg): 47.18

Frequency: 3GHz



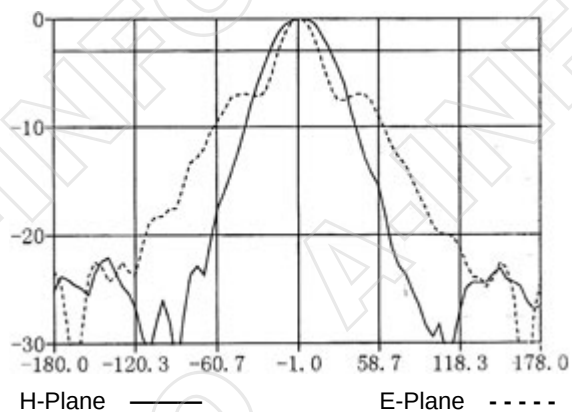
3dB Beamwidth (deg): 46.37 3dB Beamwidth (deg): 36.90

Frequency: 3.5GHz



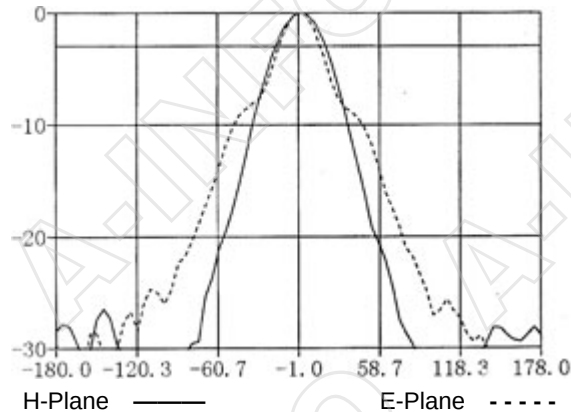
3dB Beamwidth (deg): 44.43 3dB Beamwidth (deg): 30.66

Frequency: 4GHz



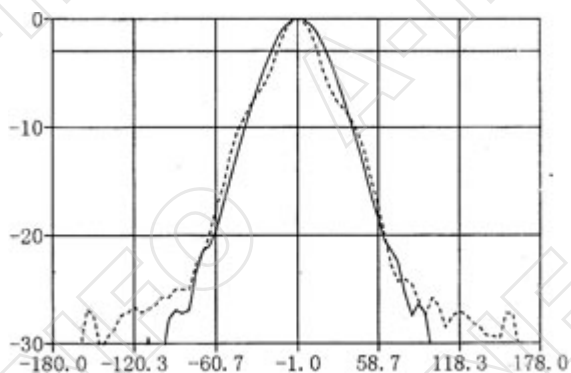
3dB Beamwidth (deg): 44.75 3dB Beamwidth (deg): 29.42

Frequency: 4.5GHz



3dB Beamwidth (deg): 36.50 3dB Beamwidth (deg): 30.42

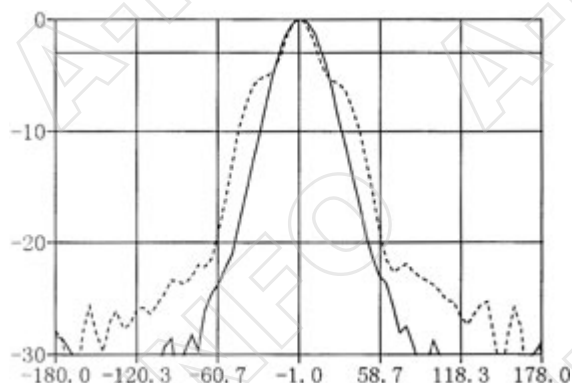
Frequency: 5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 40.07 3dB Beamwidth (deg): 29.28

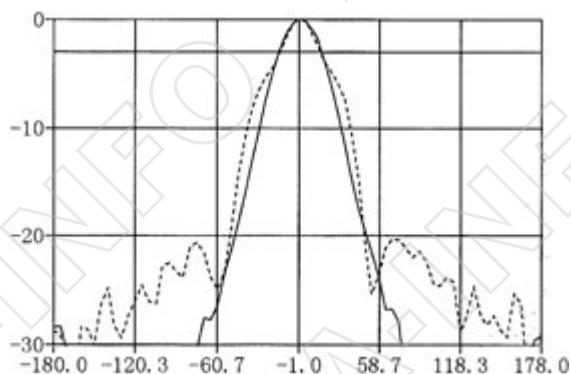
Frequency: 5.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 31.23 3dB Beamwidth (deg): 26.30

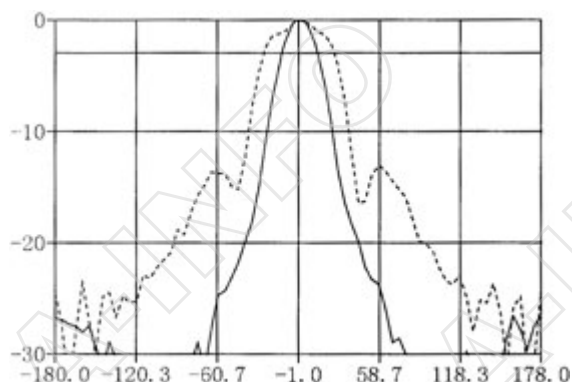
Frequency: 6GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 31.48 3dB Beamwidth (deg): 29.47

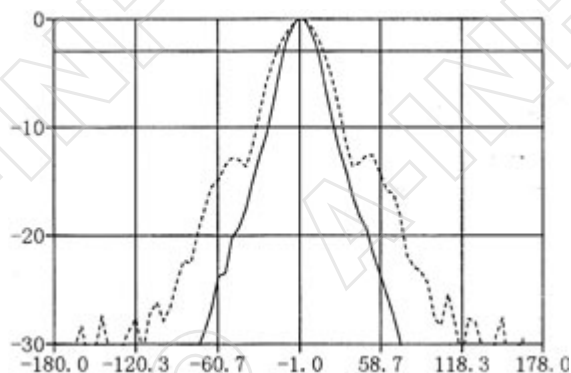
Frequency: 6.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 26.15 3dB Beamwidth (deg): 51.63

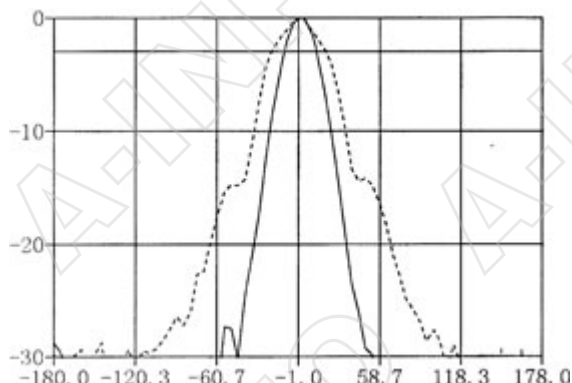
Frequency: 7GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 24.64 3dB Beamwidth (deg): 33.99

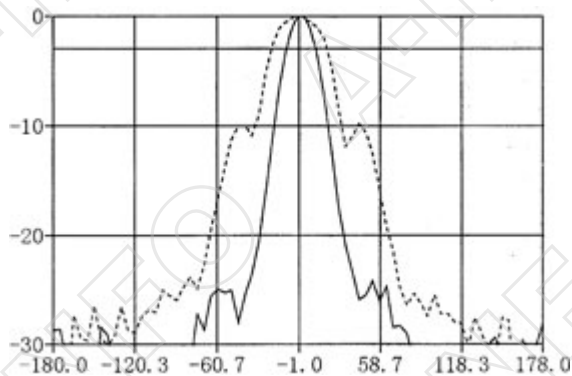
Frequency: 7.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 23.49 3dB Beamwidth (deg): 39.35

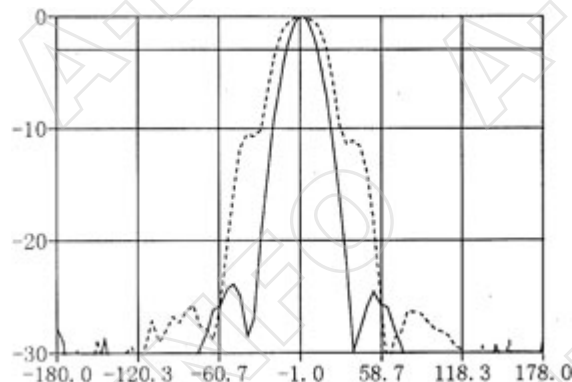
Frequency: 8GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 21.09 3dB Beamwidth (deg): 40.70

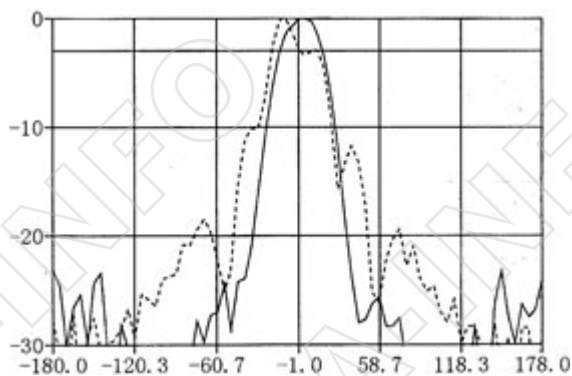
Frequency: 8.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 22.57 3dB Beamwidth (deg): 36.82

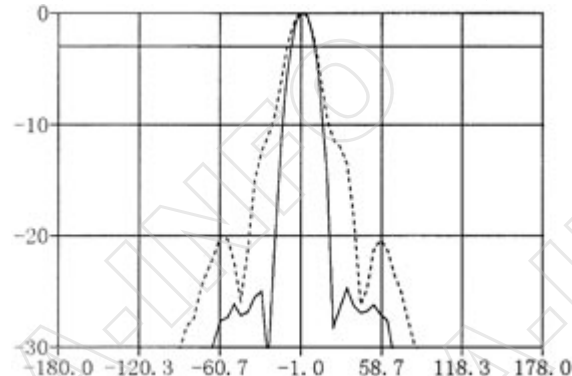
Frequency: 9GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 30.91 3dB Beamwidth (deg): 21.25

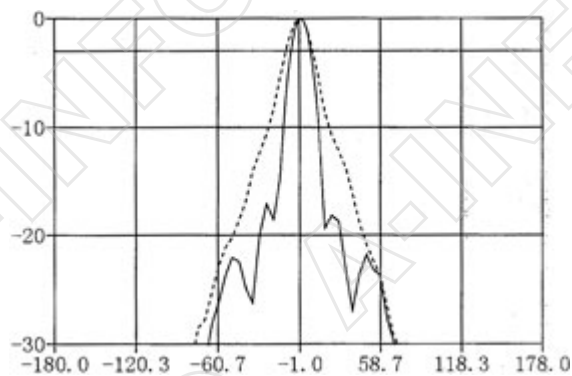
Frequency: 9.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 17.01 3dB Beamwidth (deg): 20.54

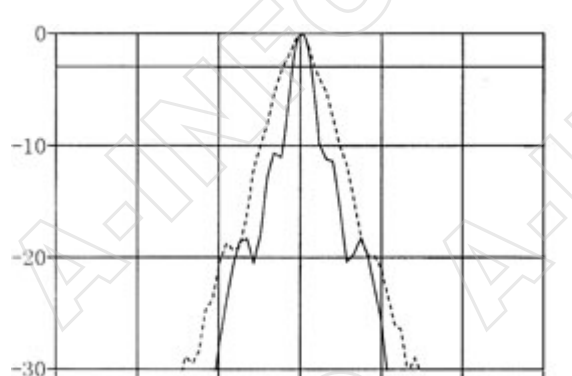
Frequency: 10GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 14.37 3dB Beamwidth (deg): 19.51

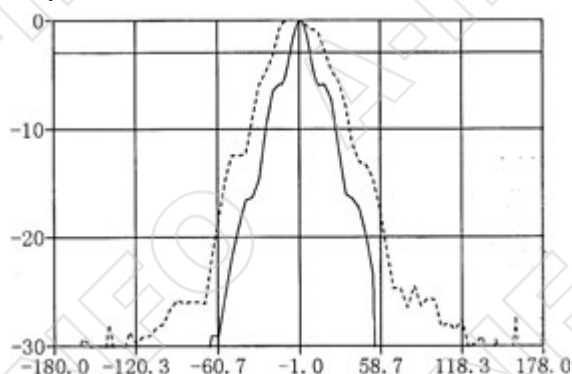
Frequency: 10.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 13.60 3dB Beamwidth (deg): 22.95

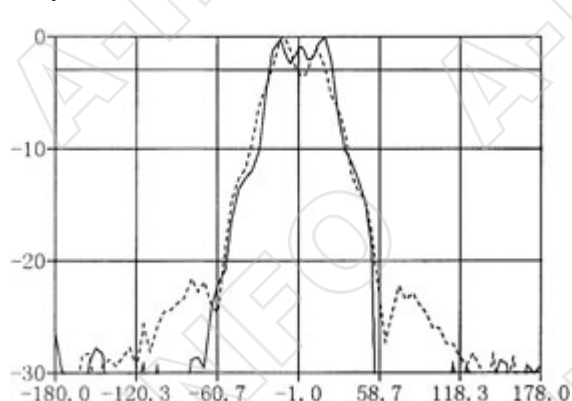
Frequency: 11GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 14.63 3dB Beamwidth (deg): 38.45

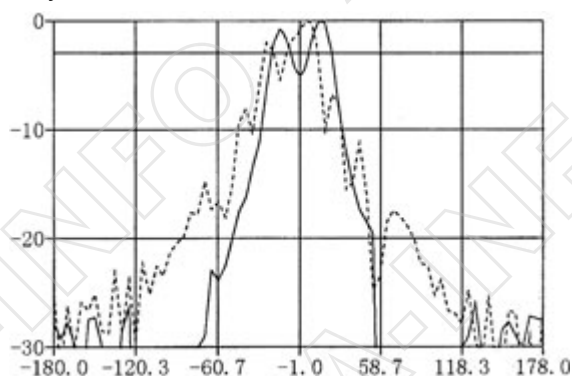
Frequency: 11.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 46.25 3dB Beamwidth (deg): 18.74

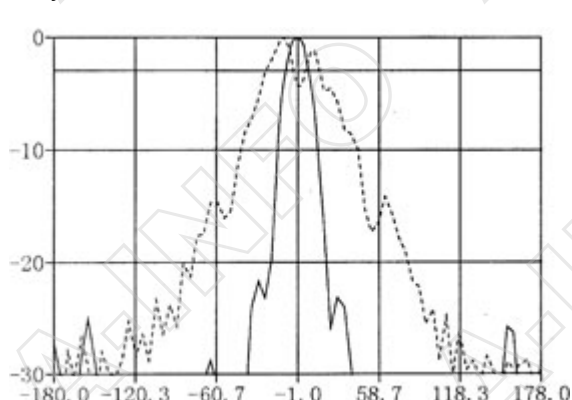
Frequency: 12GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 17.22 3dB Beamwidth (deg): 22.49

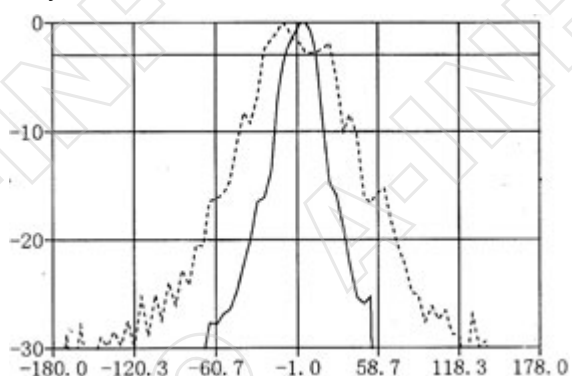
Frequency: 12.5GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 16.76 3dB Beamwidth (deg): 20.72

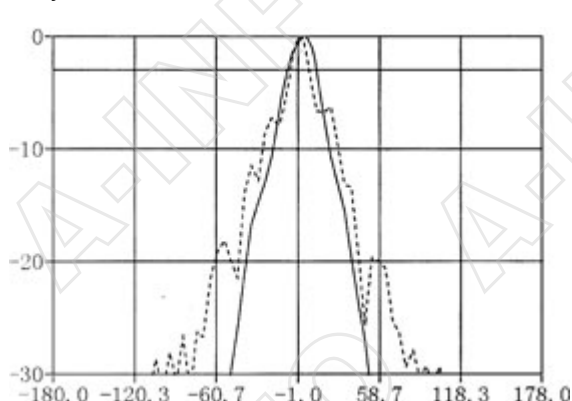
Frequency: 13GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 22.12 3dB Beamwidth (deg): 50.31

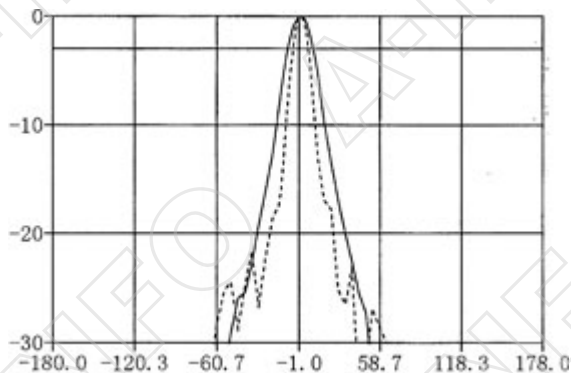
Frequency: 13.5GHz



H-Plane — E-Plane - - - -

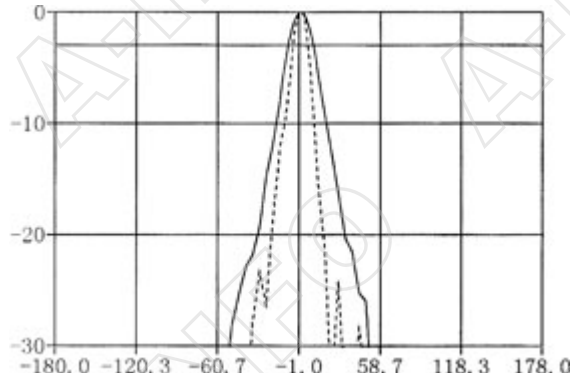
3dB Beamwidth (deg): 21.20 3dB Beamwidth (deg): 13.40

Frequency: 14GHz



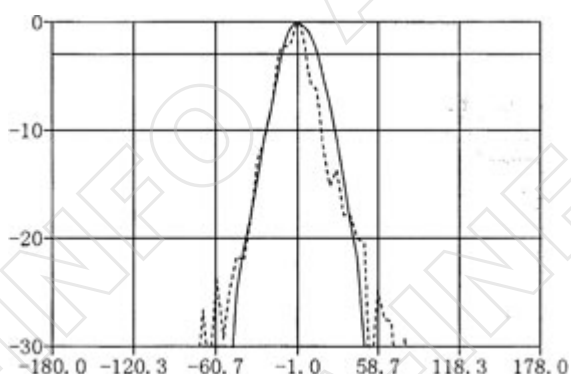
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.42 3dB Beamwidth (deg): 11.28

Frequency: 14.5GHz



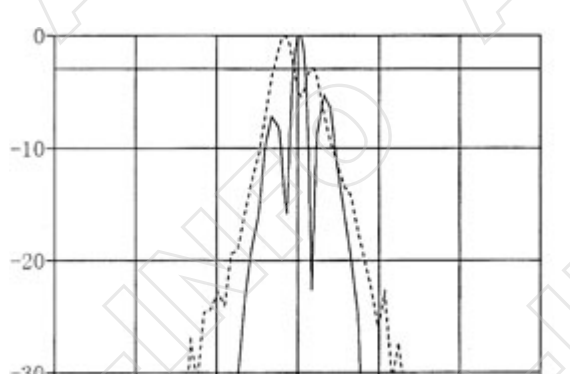
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.45 3dB Beamwidth (deg): 10.78

Frequency: 15GHz



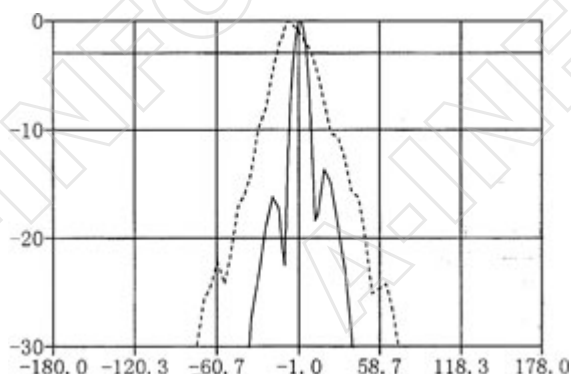
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 25.97 3dB Beamwidth (deg): 19.64

Frequency: 15.5GHz



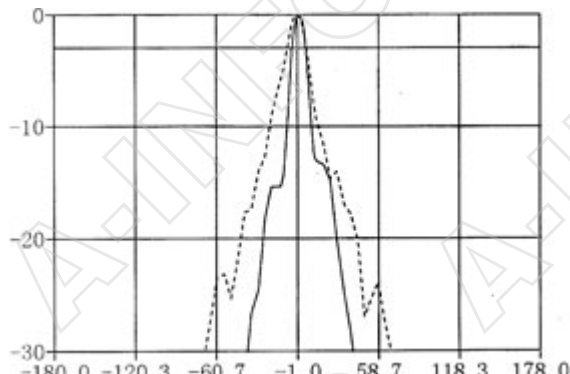
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 8.36 3dB Beamwidth (deg): 14.82

Frequency: 16GHz



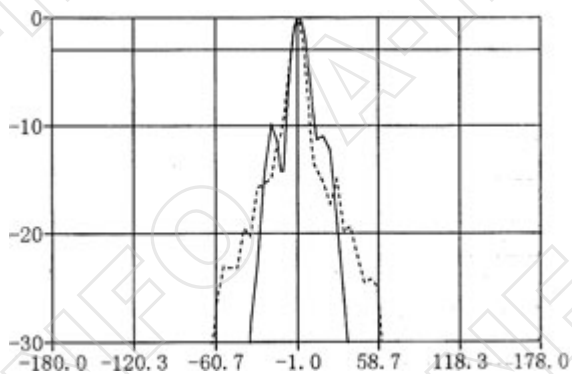
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 9.33 3dB Beamwidth (deg): 25.14

Frequency: 16.5GHz



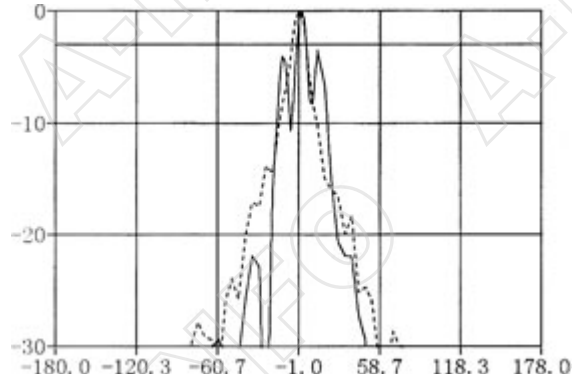
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 9.91 3dB Beamwidth (deg): 14.03

Frequency: 17GHz



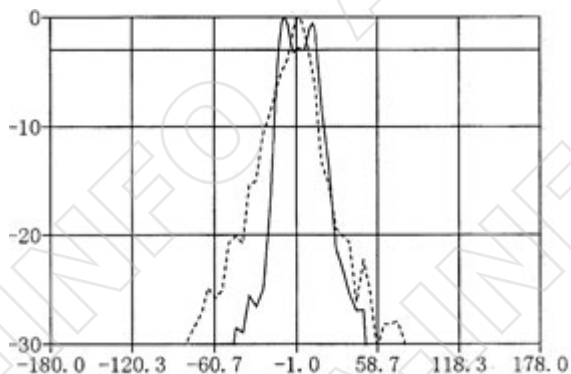
H-Plane — 3dB Beamwidth (deg): 11.15
E-Plane - - - 3dB Beamwidth (deg): 9.42

Frequency: 17.5GHz



H-Plane — 3dB Beamwidth (deg): 6.74
E-Plane - - - 3dB Beamwidth (deg): 10.21

Frequency: 18GHz

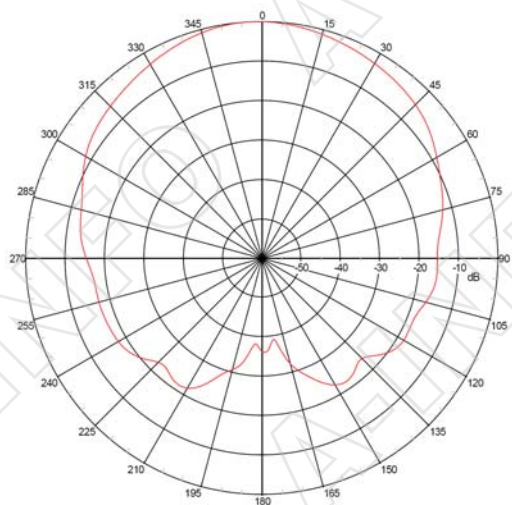


H-Plane — 3dB Beamwidth (deg): 9.92
E-Plane - - - 3dB Beamwidth (deg): 13.91

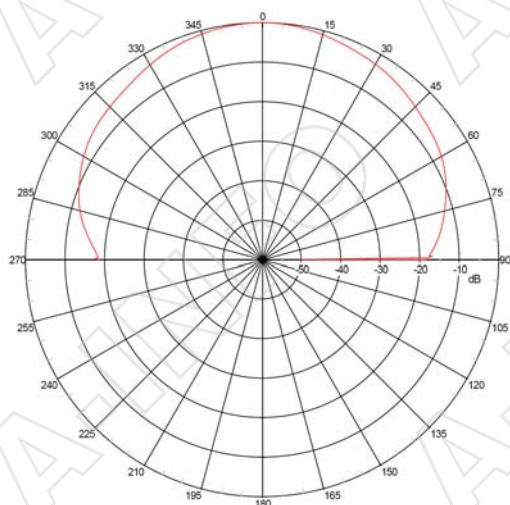
Pattern (Tested by NSI)

Frequency: 2GHz

H-Plane

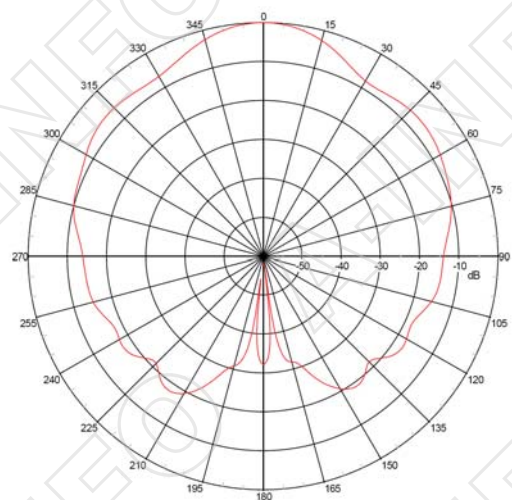


E-Plane

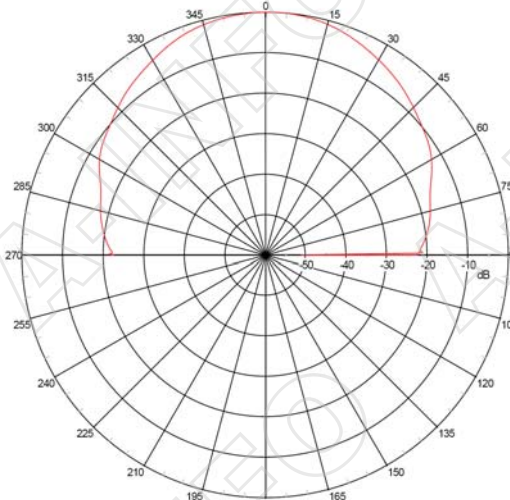


Frequency: 4GHz

H-Plane

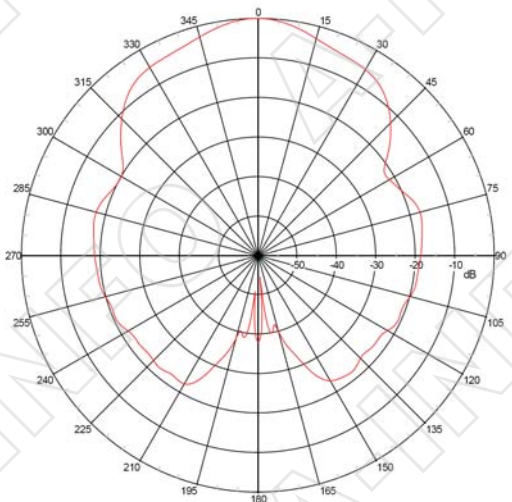


E-Plane

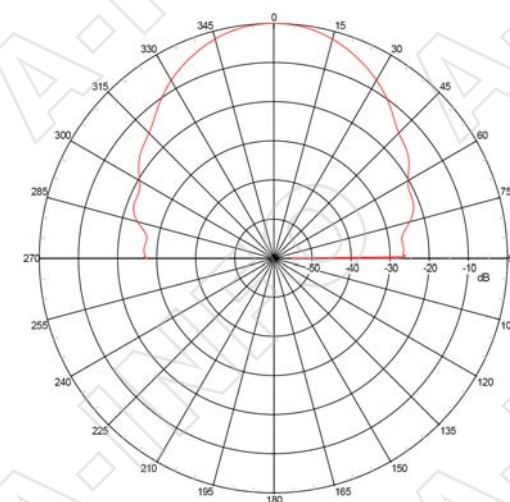


Frequency: 6GHz

H-Plane

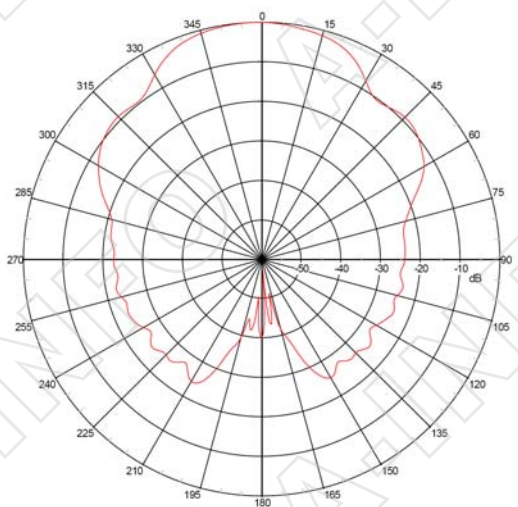


E-Plane

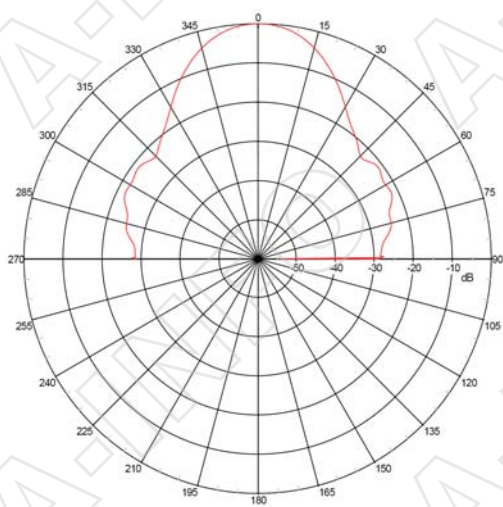


Frequency: 8GHz

H-Plane

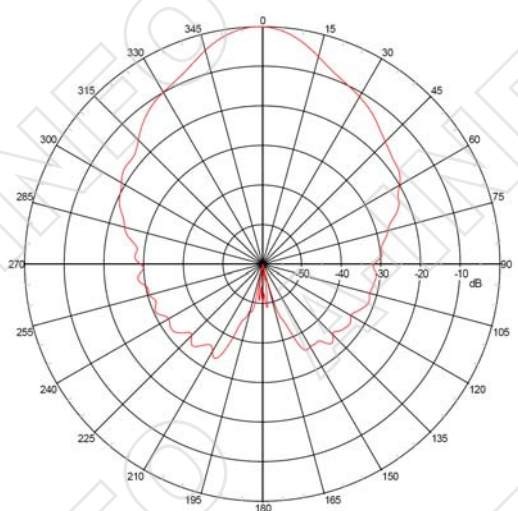


E-Plane

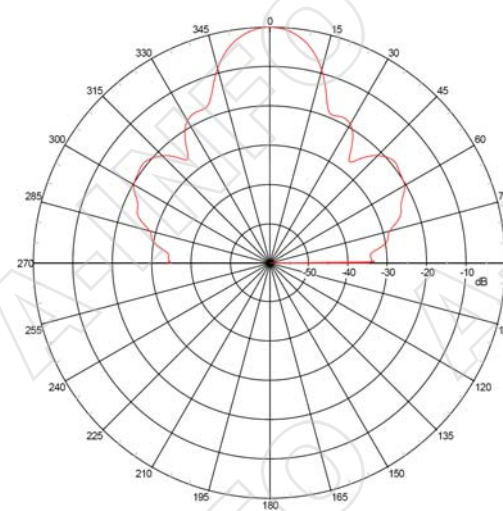


Frequency: 10GHz

H-Plane

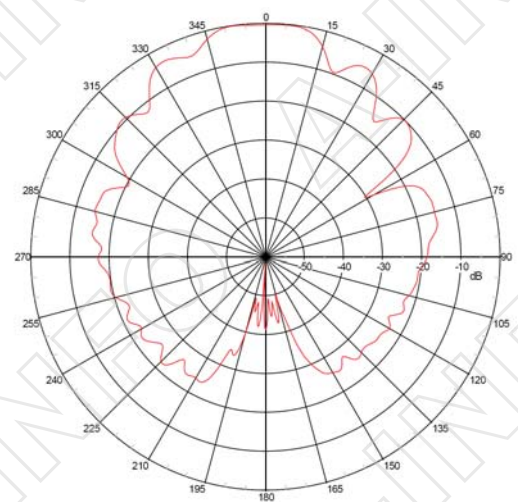


E-Plane

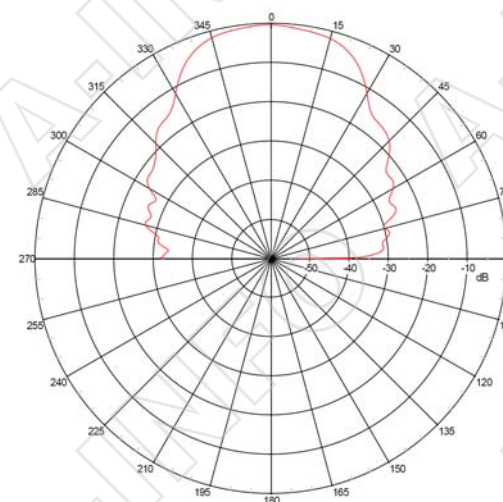


Frequency: 12GHz

H-Plane

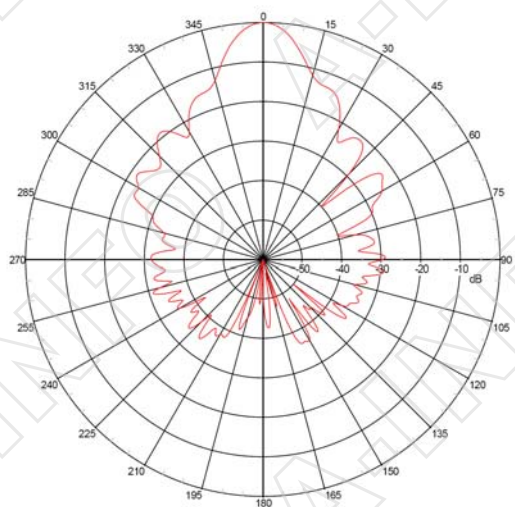


E-Plane

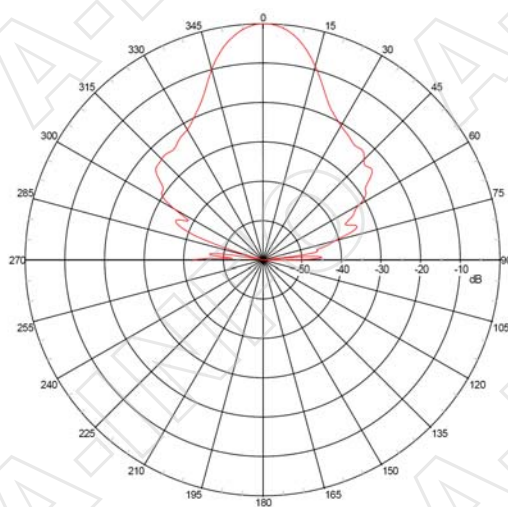


Frequency: 14GHz

H-Plane

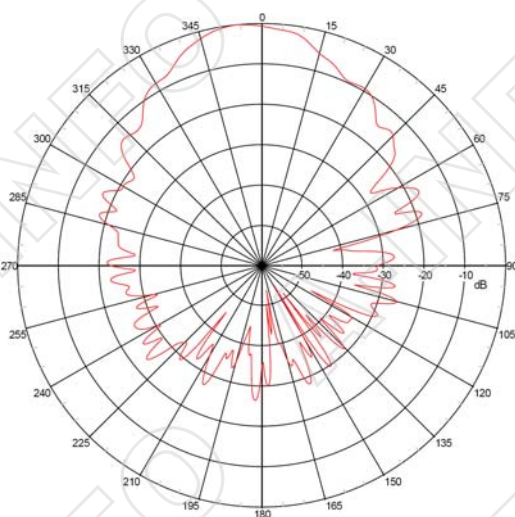


E-Plane

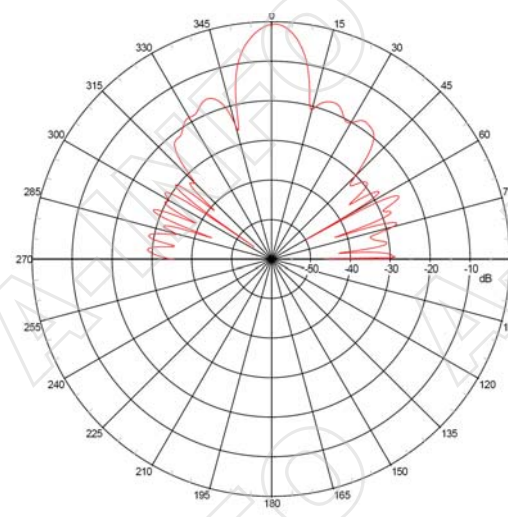


Frequency: 16GHz

H-Plane

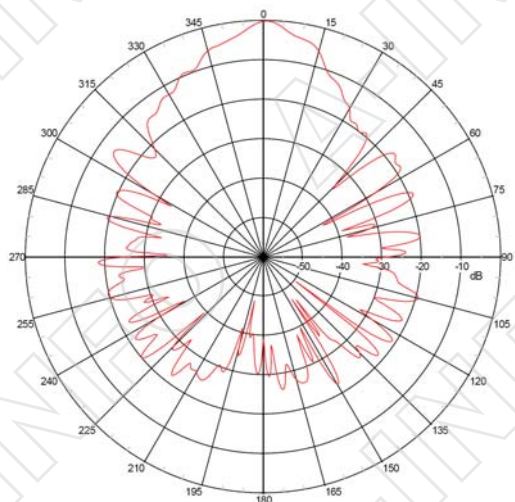


E-Plane



Frequency: 18GHz

H-Plane



E-Plane

