

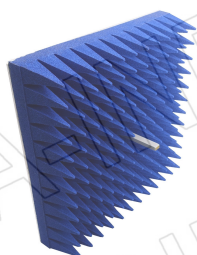
For reference only. See data sheet for the detailed specifications.

Technical Specification

51EWGES



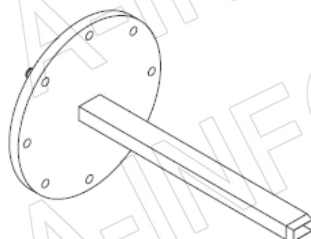
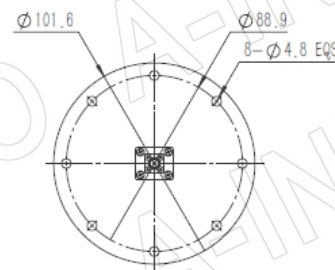
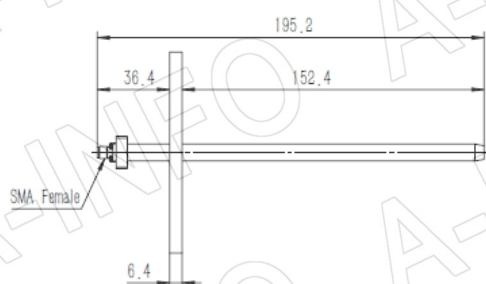
51EWGES-A1



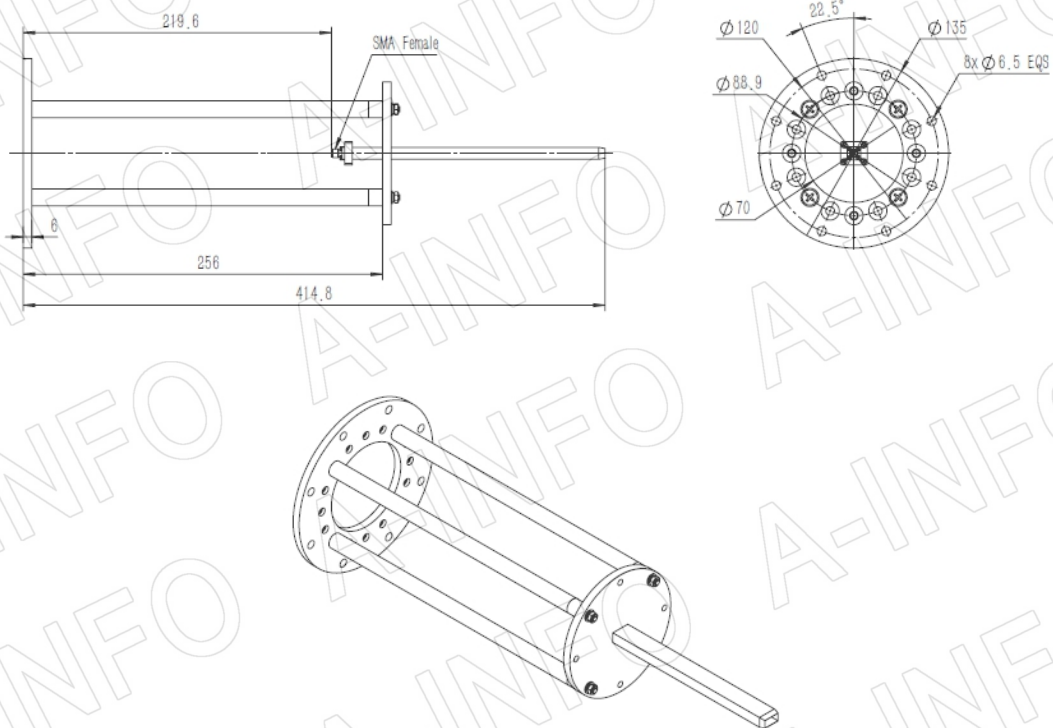
Frequency Range(GHz)	15.0 - 22.0
Waveguide	WR51
Gain(dBi)	5 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 90 Typ.
	H Plane: 60 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	2.0:1 Typ.
Output	Endlaunch SMA-Female
Material	Cu
Finish	Sliver Plated, Gray Paint
Size(mm)	51EWGES: 101.6 x 101.6 x 195.2
	51EWGES-A1: 399.6 x 399.6 x 195.2
Net Weight(Kg)	51EWGES: 0.5 Around
	51EWGES-A1: 2.75 Around

Outline Drawing (Size: mm)

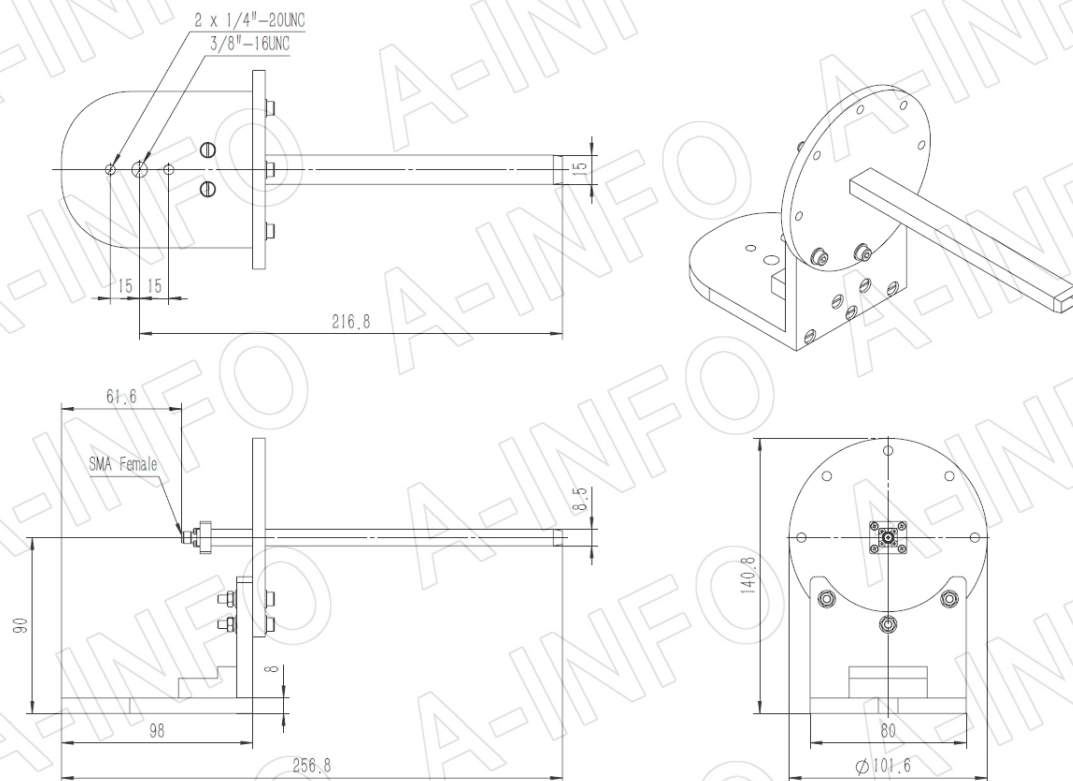
Endlaunch SMA-Female Output (P/N: 51EWGES)



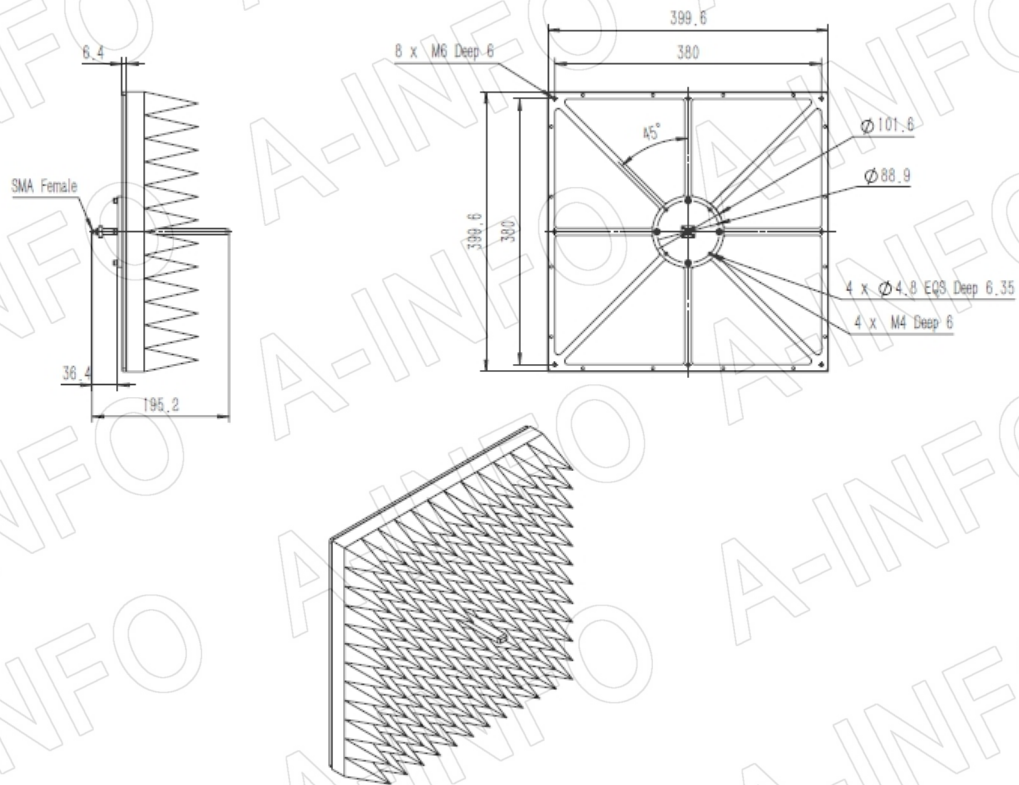
Endlaunch SMA-Female Output with Round Mounting Bracket (Option, P/N: EWG-MB40)



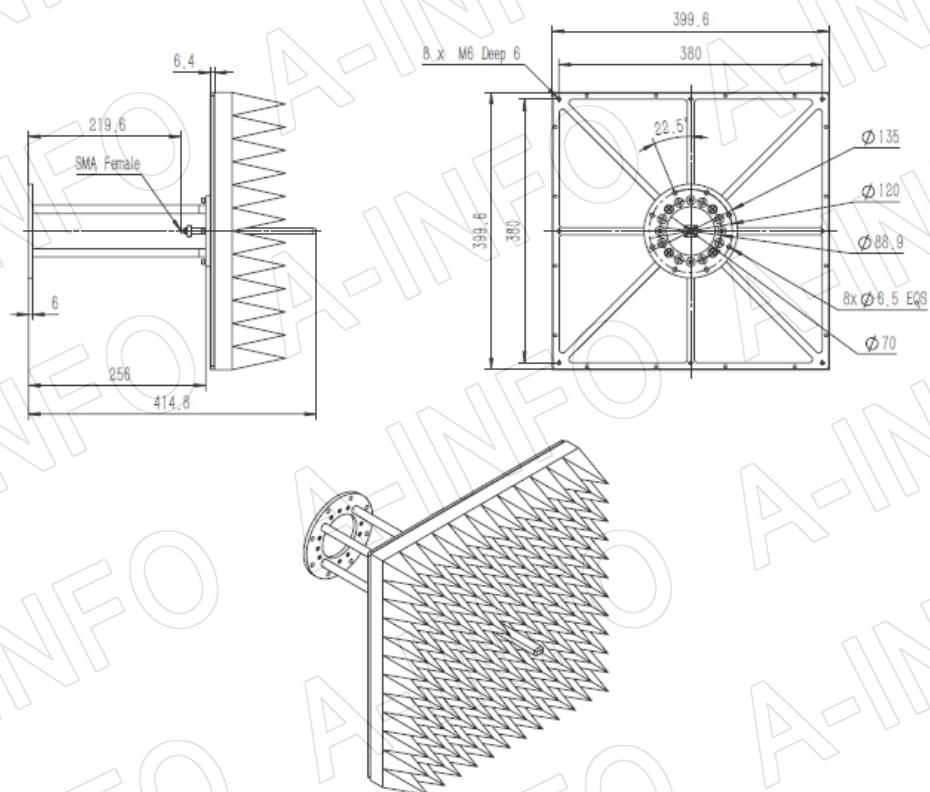
SMA-Female Output with L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)



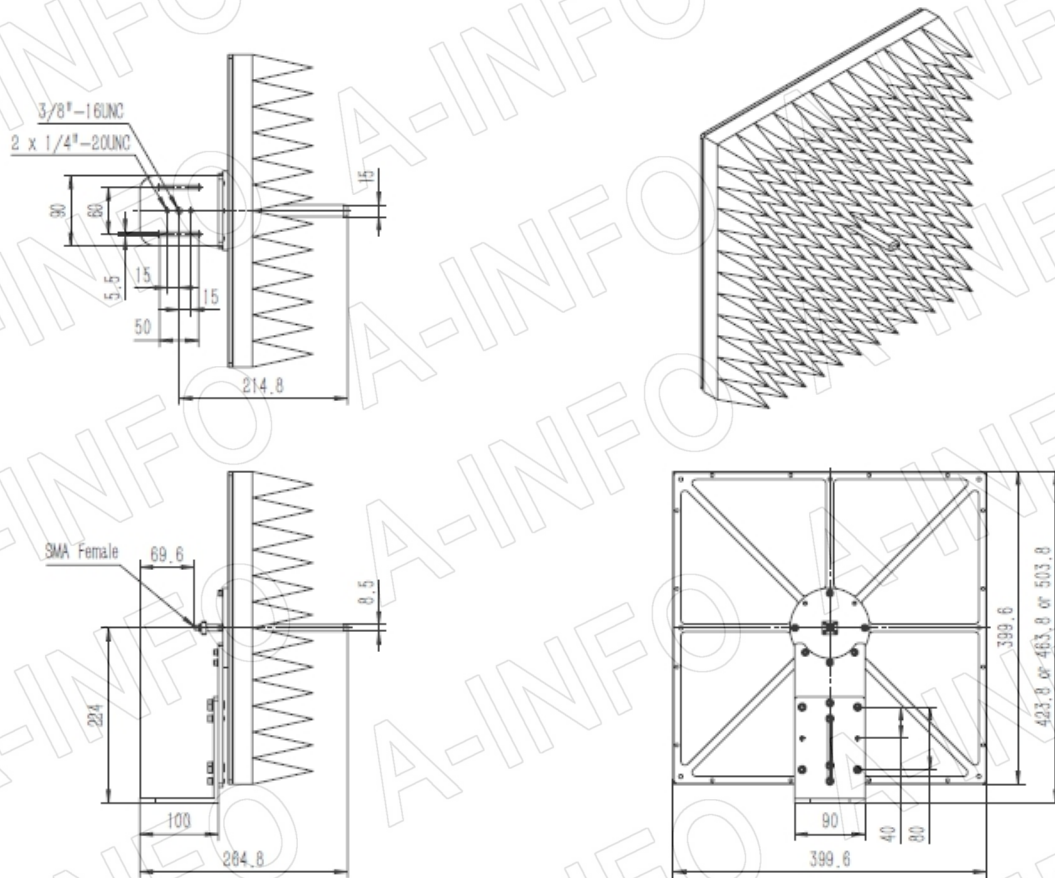
Endlaunch SMA-Female Output, Equipped with Absorber (Option, P/N: 51EWGES-A1)



Endlaunch SMA-Female Output with Round Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-MB40 & 51EWGES-A1)

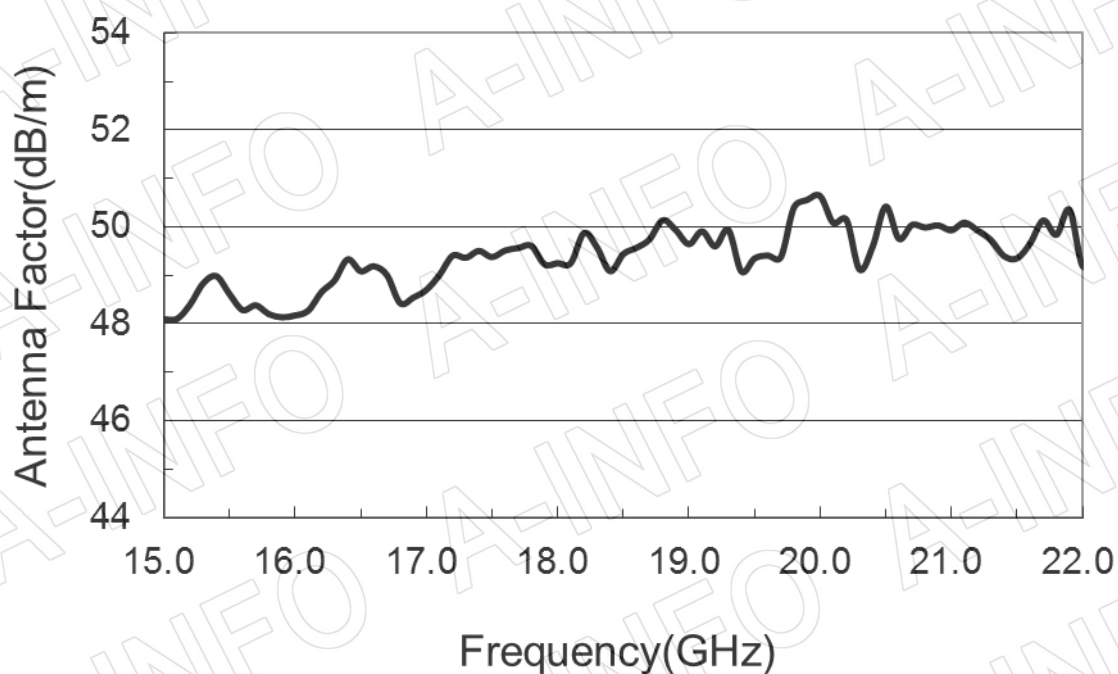
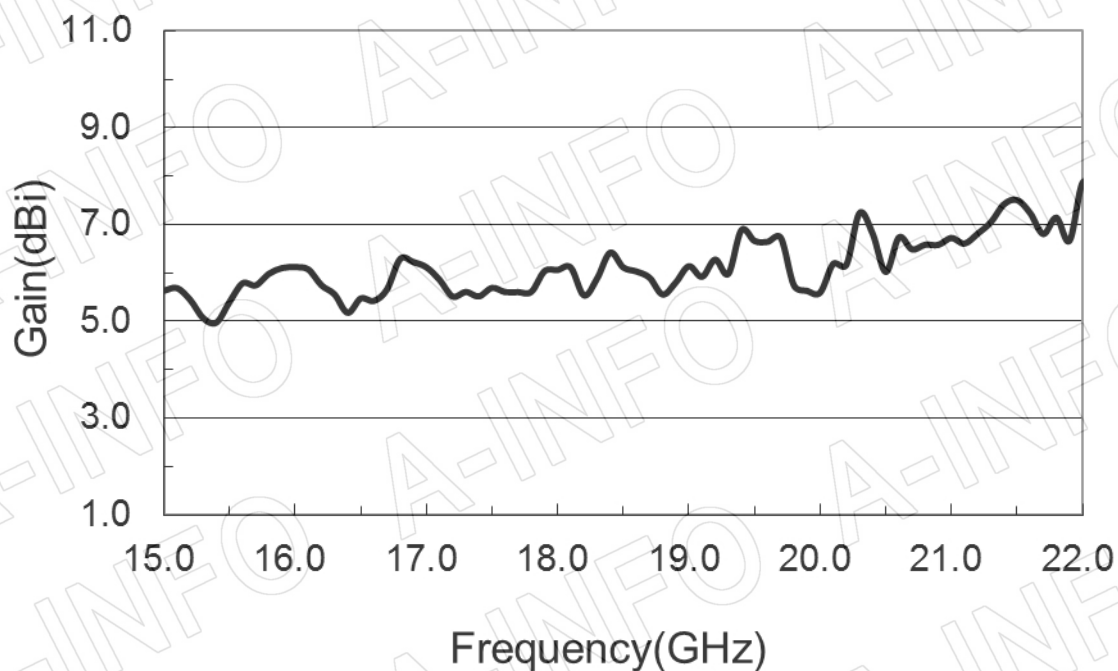


Endlaunch SMA-Female Output with L Type Mounting Bracket, Equipped with Absorber (Option, P/N: EWG-L40 & 51EWGES-A1)

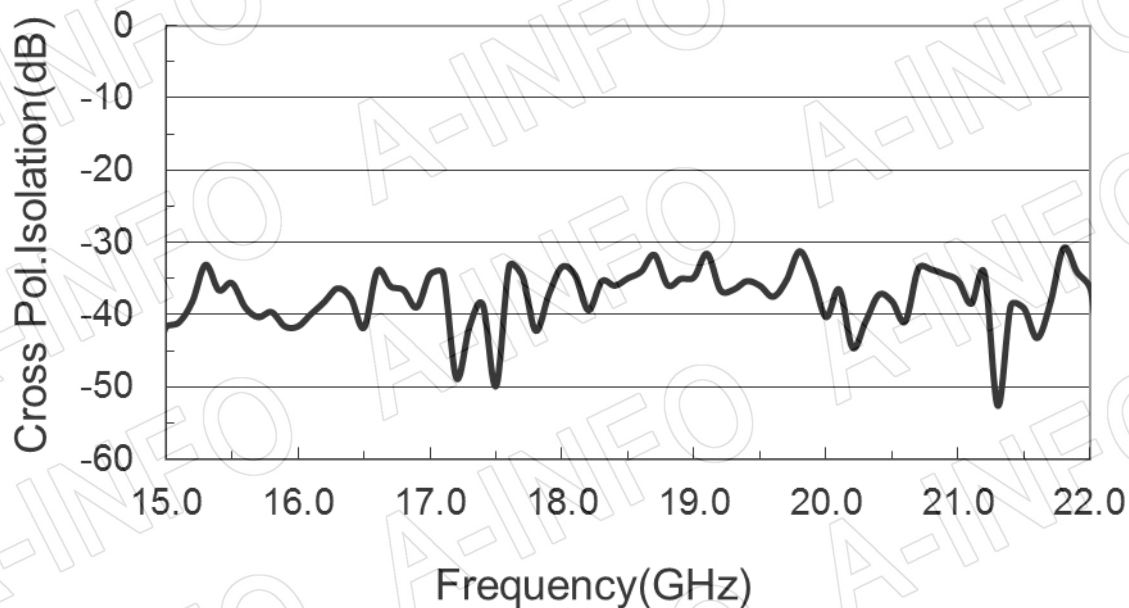


Test Results

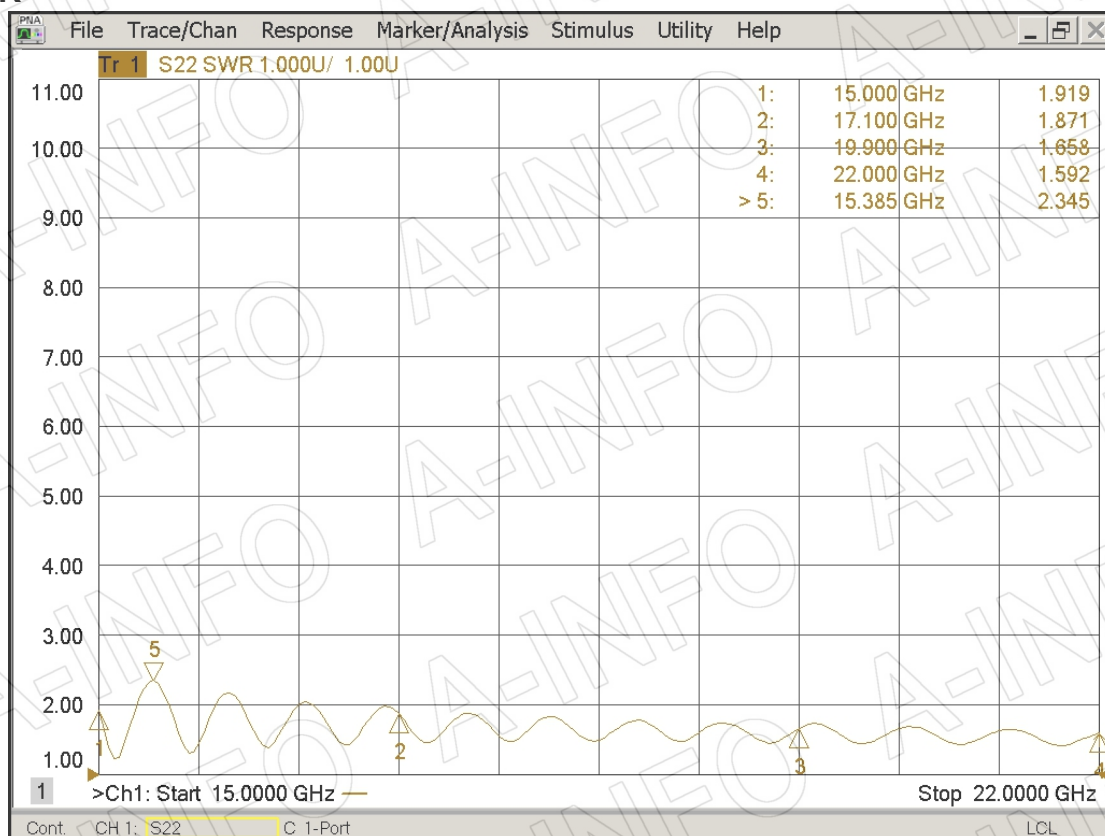
1. Gain & Antenna Factor



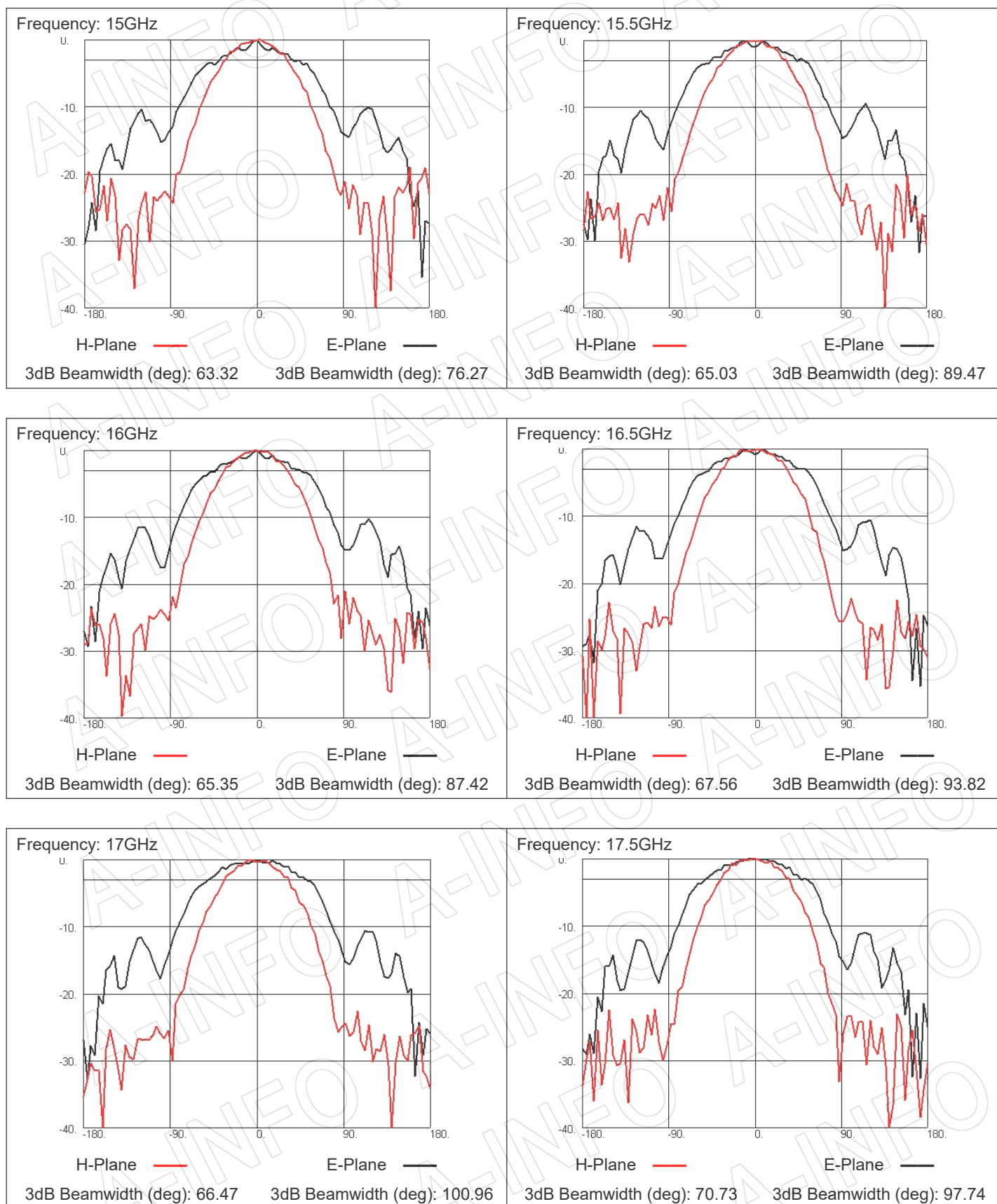
2. Cross Polarization Isolation



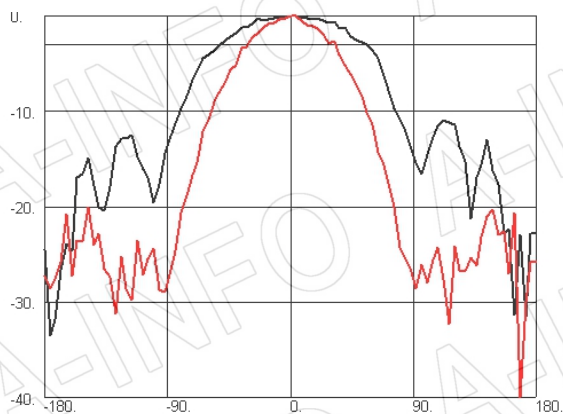
3. VSWR



4. Pattern

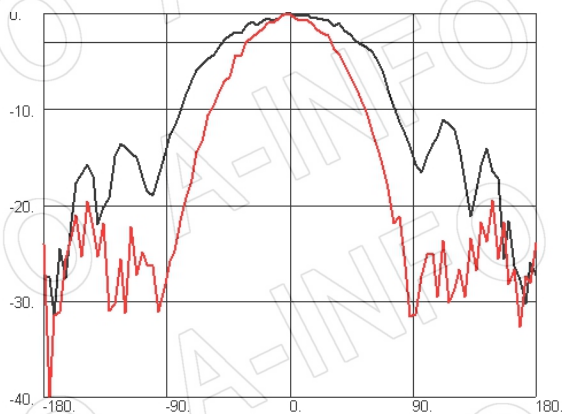


Frequency: 18GHz



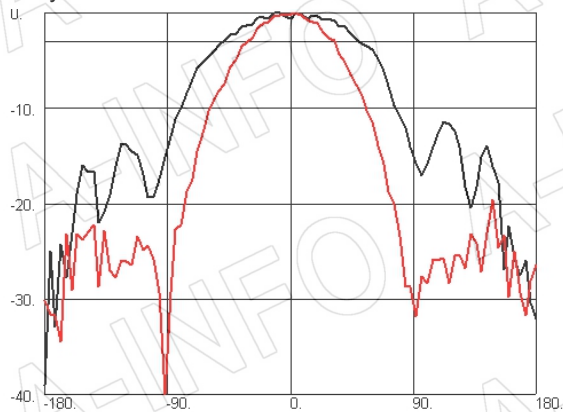
H-Plane — E-Plane —
 3dB Beamwidth (deg): 63.75 3dB Beamwidth (deg): 106.28

Frequency: 18.5GHz



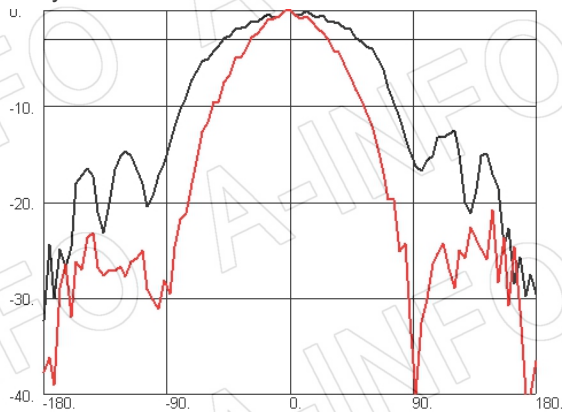
H-Plane — E-Plane —
 3dB Beamwidth (deg): 61.89 3dB Beamwidth (deg): 97.97

Frequency: 19GHz



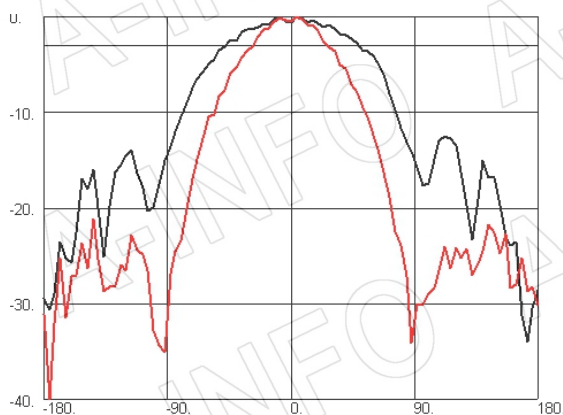
H-Plane — E-Plane —
 3dB Beamwidth (deg): 62.68 3dB Beamwidth (deg): 98.79

Frequency: 19.5GHz



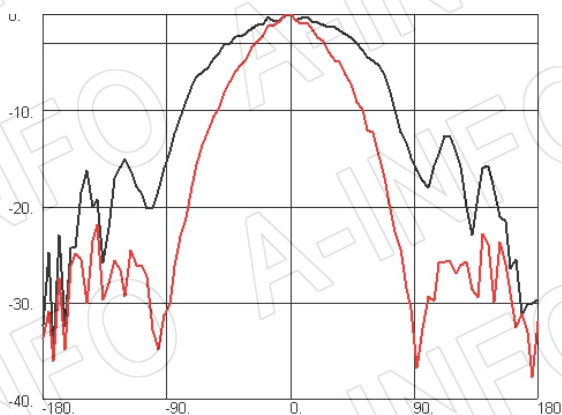
H-Plane — E-Plane —
 3dB Beamwidth (deg): 56.39 3dB Beamwidth (deg): 97.99

Frequency: 20GHz



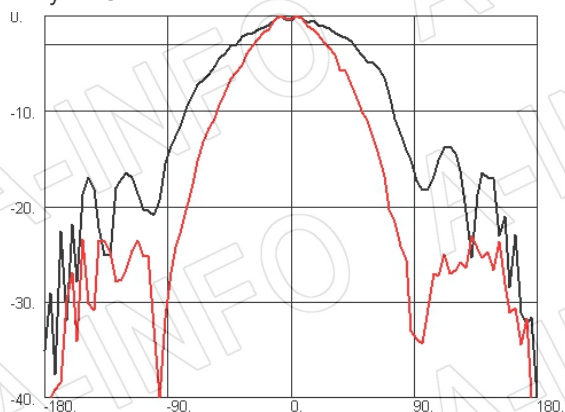
H-Plane — E-Plane —
 3dB Beamwidth (deg): 53.93 3dB Beamwidth (deg): 96.34

Frequency: 20.5GHz



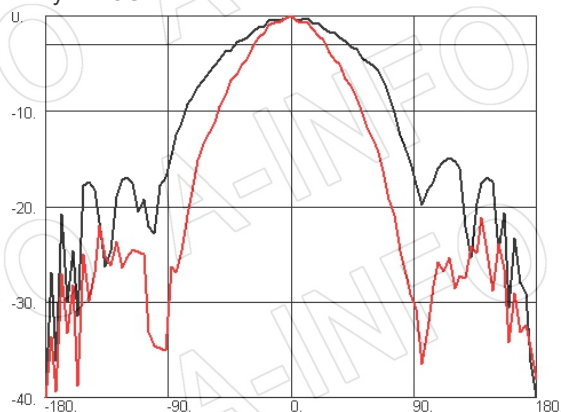
H-Plane — E-Plane —
 3dB Beamwidth (deg): 50.02 3dB Beamwidth (deg): 91.31

Frequency: 21GHz



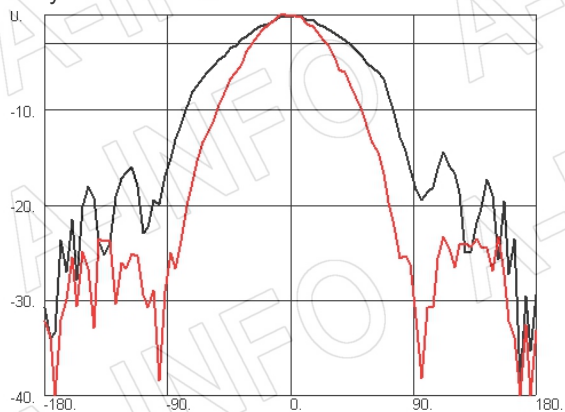
H-Plane — E-Plane —
 3dB Beamwidth (deg): 53.03 3dB Beamwidth (deg): 85.50

Frequency: 21.5GHz



H-Plane — E-Plane —
 3dB Beamwidth (deg): 52.30 3dB Beamwidth (deg): 83.48

Frequency: 22GHz



H-Plane — E-Plane —
 3dB Beamwidth (deg): 53.76 3dB Beamwidth (deg): 81.28