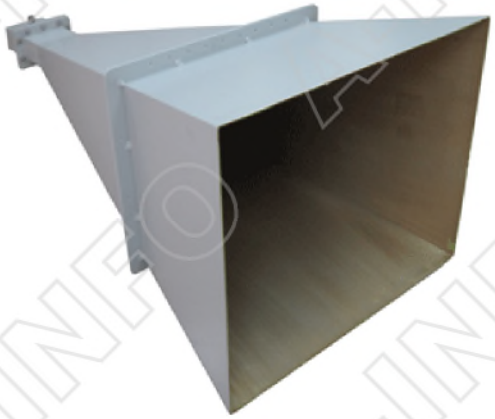
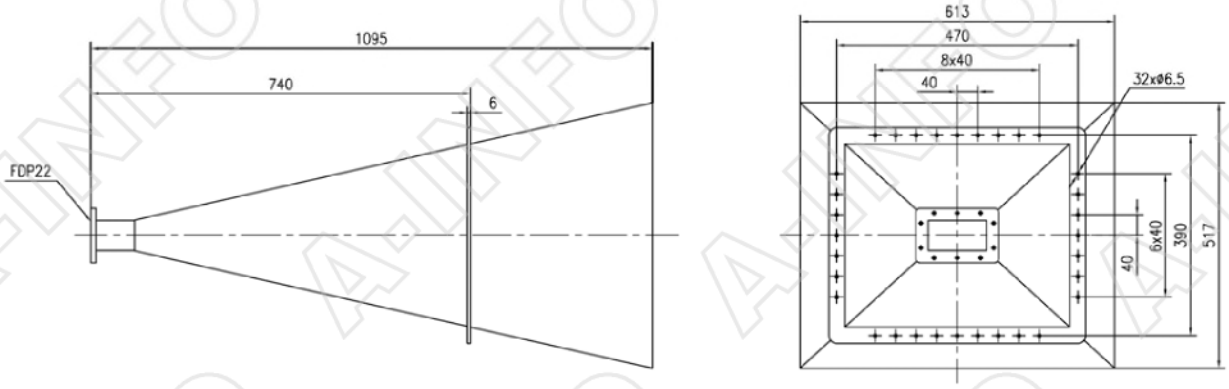
Technical Specification



Frequency Range(GHz)	1.70 - 2.60
Gain(dB)	20 Typ.
3dB Beamwidth(deg)	18 Typ.
Waveguide	WR430
Material	Al
Output	A Type: FDP22 C Type: N-F or SMA-F or 7/16-F
Size(mm) W x H x L	A Type: 613x517x1095 C Type: 613x517x1195
Net Weight(Kg)	A Type: 10.7 Around C Type: 11.5 Around

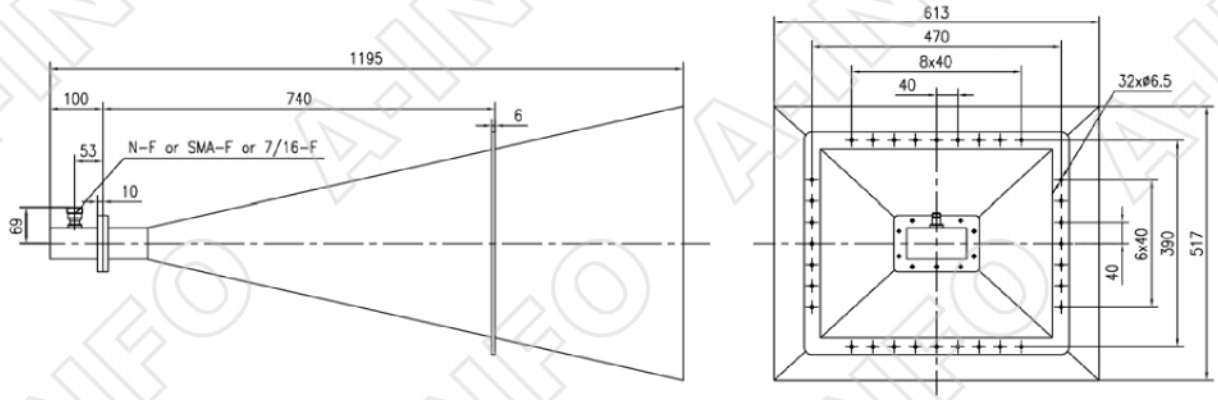
Outline Drawing (Size: mm)

A Type



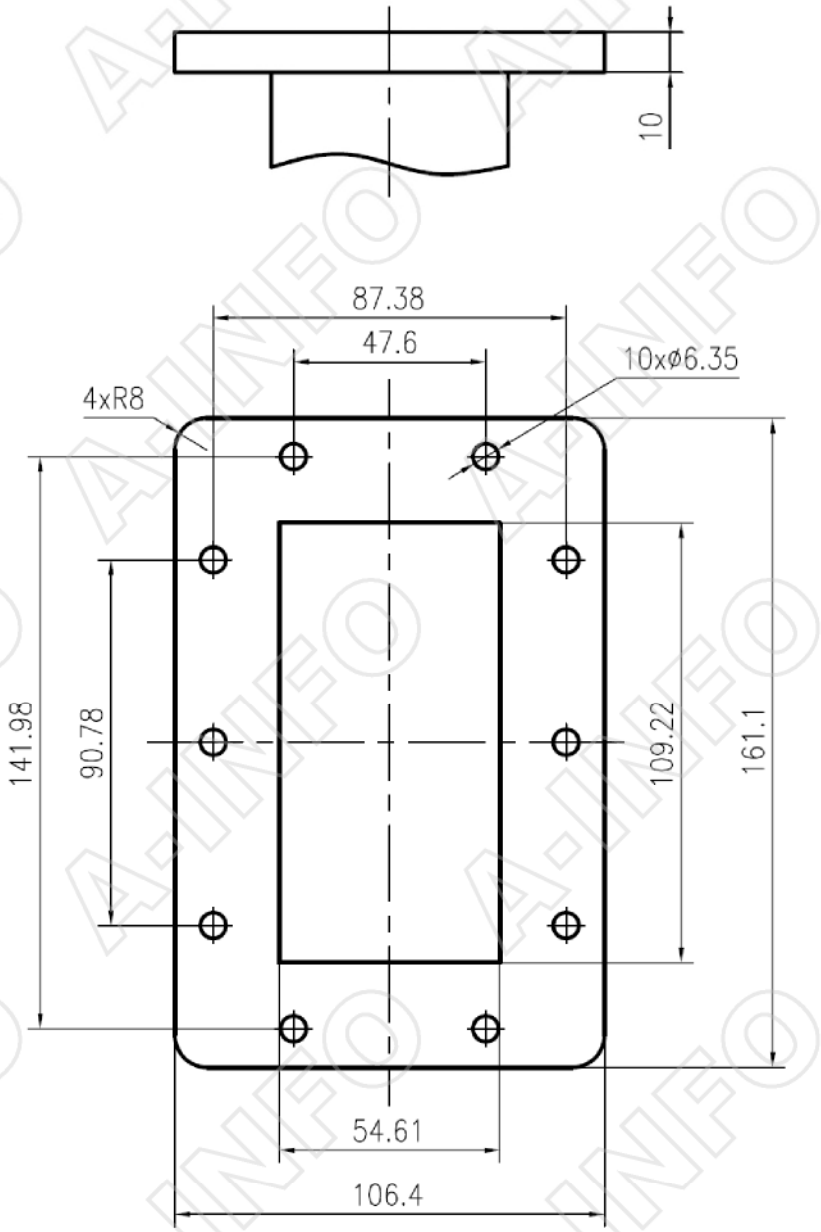
W x H x L: 613x517x1095

C Type



W x H x L: 613x517x1195

Flange Drawing (Size: mm)

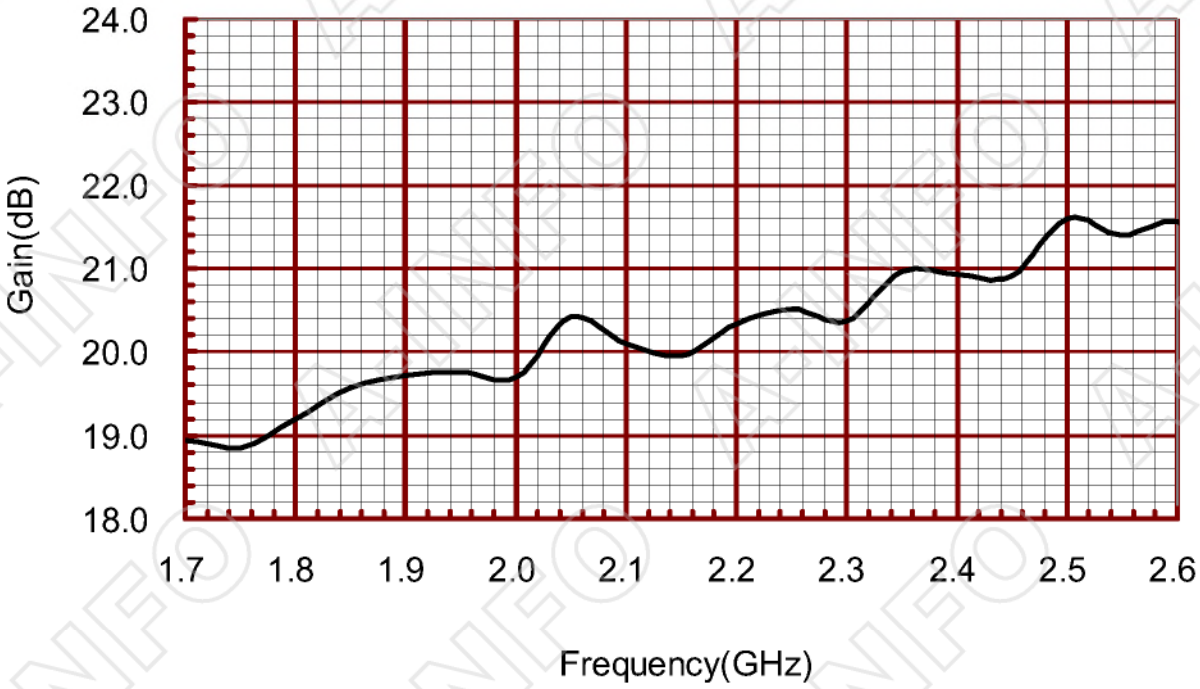


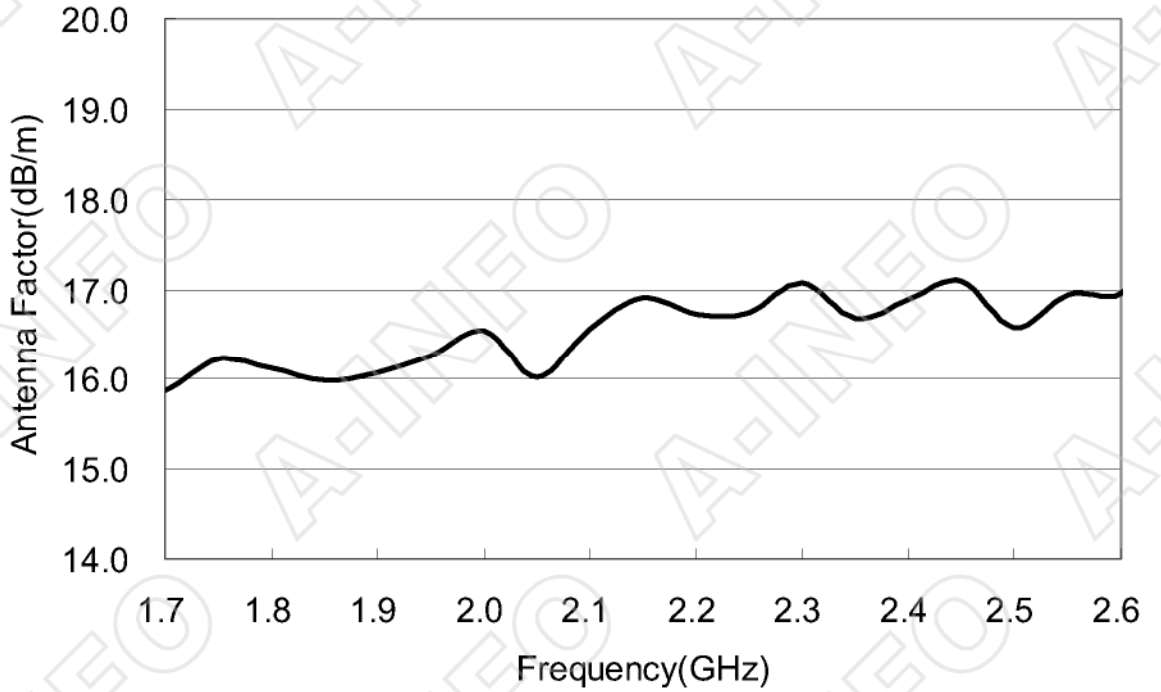
FDP22

Distributed by: Reliant EMC LLC, 408-320-9644, 408-916-5750, www.reliantemc.com

Test Results

1. Gain and Antenna Factor



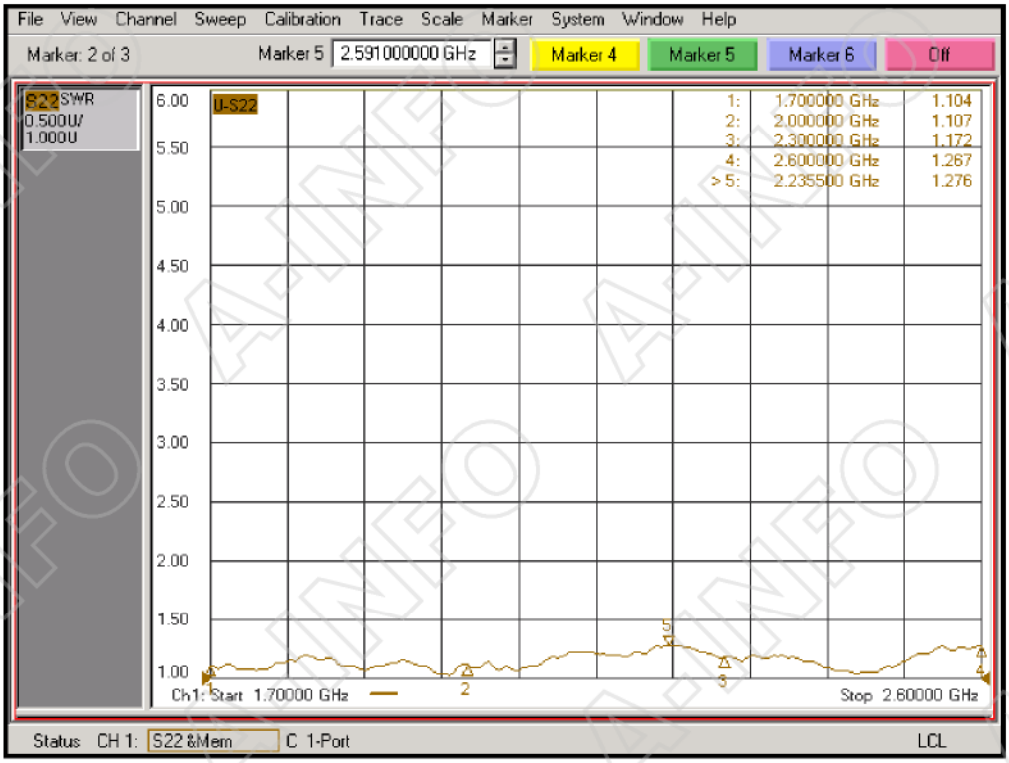


Distributed by: Reliant EMC LLC, 408-320-9644, 408-916-5750, www.reliantemc.com

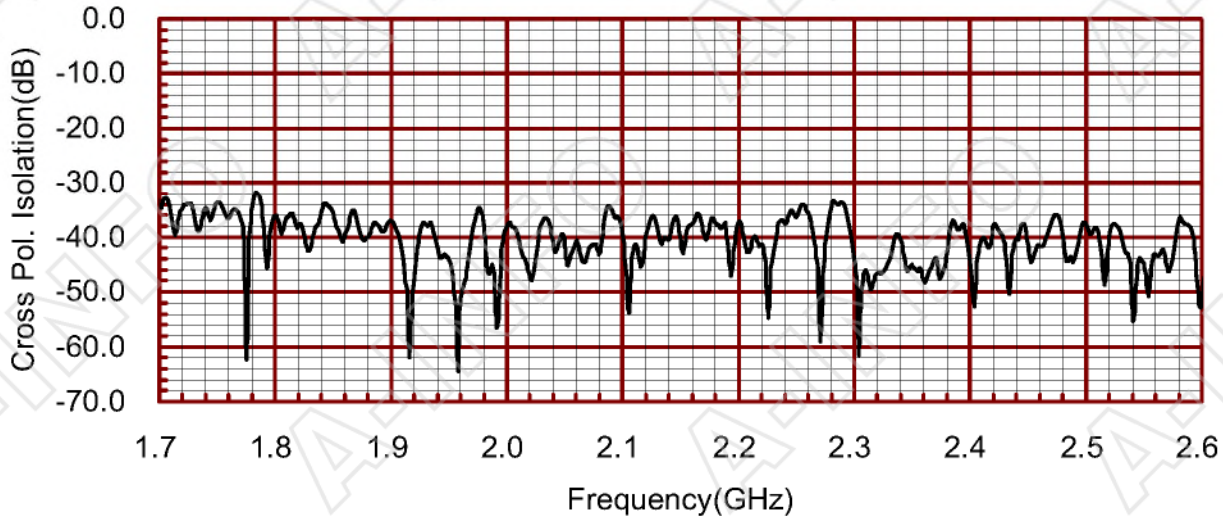
Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
1.70	18.95	15.87
1.75	18.85	16.22
1.80	19.20	16.12
1.85	19.57	15.98
1.90	19.72	16.07
1.95	19.75	16.26
2.00	19.69	16.54
2.05	20.43	16.02
2.10	20.10	16.55
2.15	19.95	16.91

Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
2.20	20.34	16.72
2.25	20.51	16.74
2.30	20.36	17.08
2.35	20.96	16.68
2.40	20.93	16.89
2.45	20.90	17.09
2.50	21.60	16.57
2.55	21.40	16.94
2.60	21.55	16.96

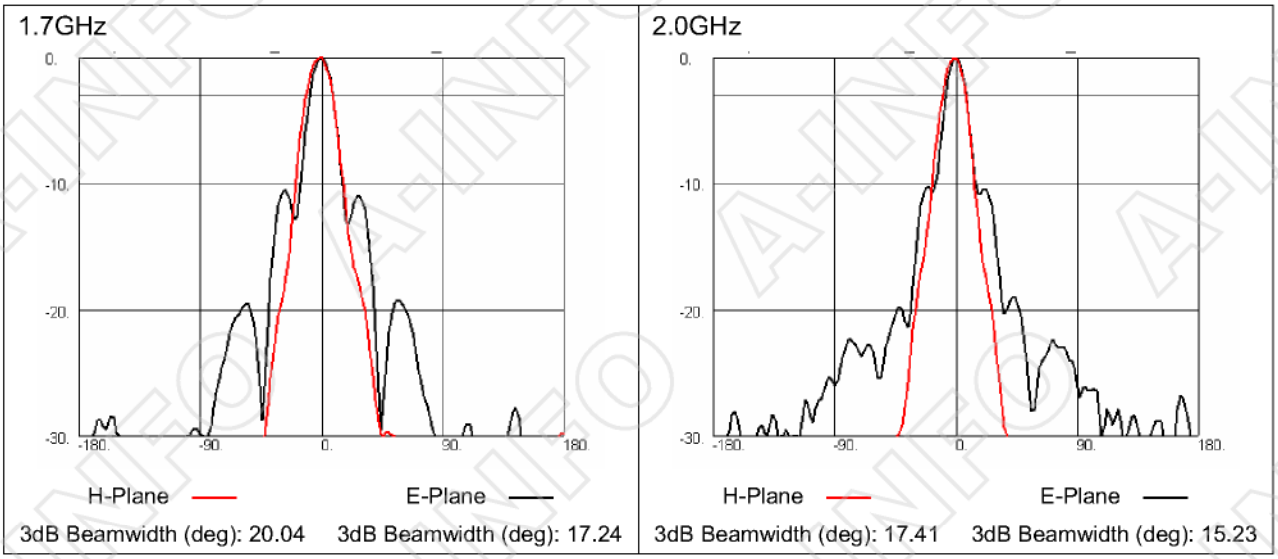
2. VSWR



3. Cross Polarization Isolation

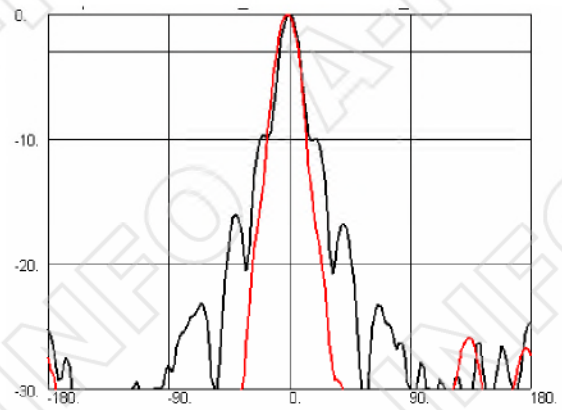


4. Pattern



Distributed by: Reliant EMC LLC, 408-320-9644, 408-916-5750, www.reliantemc.com

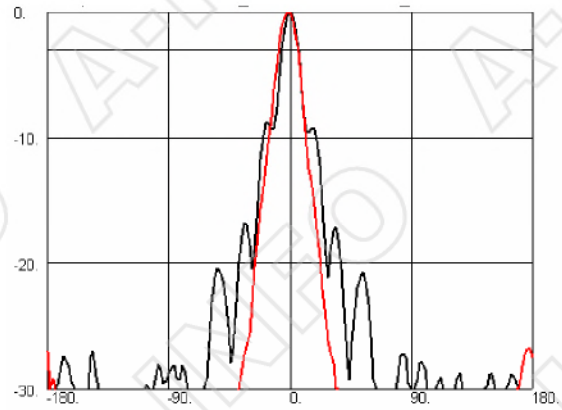
2.15GHz



H-Plane E-Plane

3dB Beamwidth (deg): 16.25 3dB Beamwidth (deg): 14.49

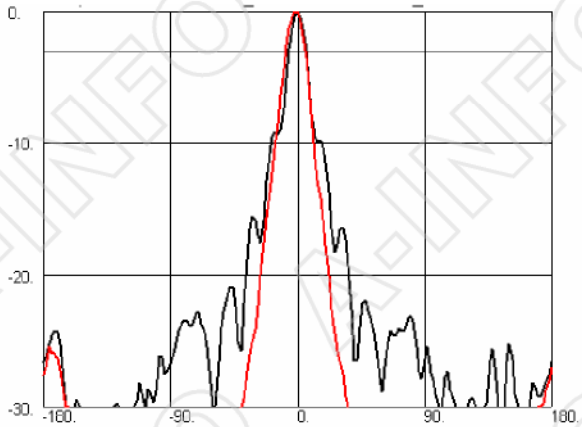
2.5GHz



H-Plane E-Plane

3dB Beamwidth (deg): 14.41 3dB Beamwidth (deg): 12.24

2.6GHz



H-Plane E-Plane

3dB Beamwidth (deg): 13.97 3dB Beamwidth (deg): 12.24