

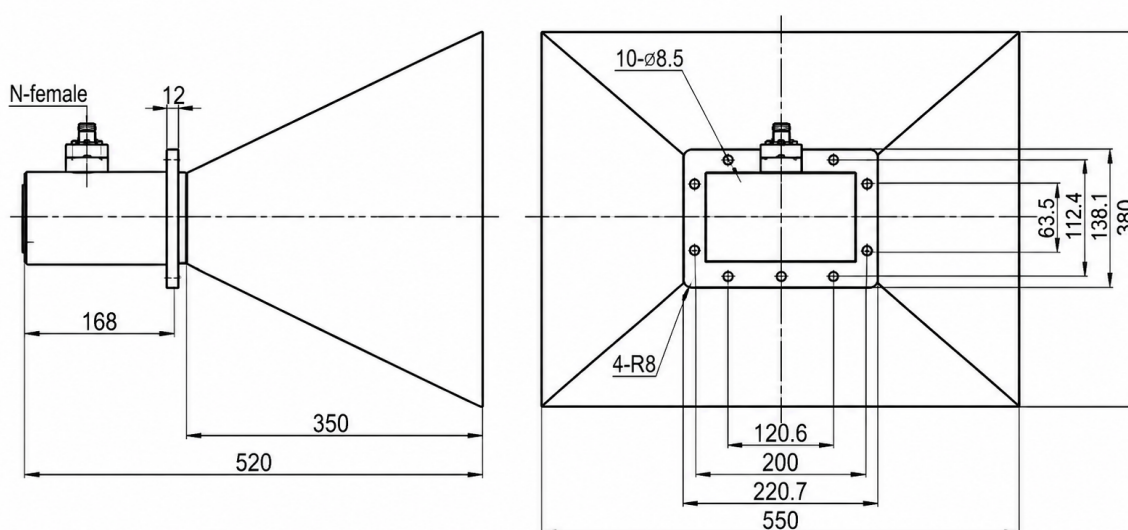
P/N: AMT-SGH650-15

Technical Specification

	Frequency Range(GHz)	1.12-1.70
	Waveguide Size EIA WR	WR650
	Gain(dBi)	15 Typ.
	Polarization	Linear
	Impedance(Ohms)	50
	Connector	N-female/SMA-female
	VSWR	1.5 Max.
	Material	Al
	Size(mm)	550 x 380 x 520 approx.
	Weight(Kg)	8.0 approx.

Outline (mm)

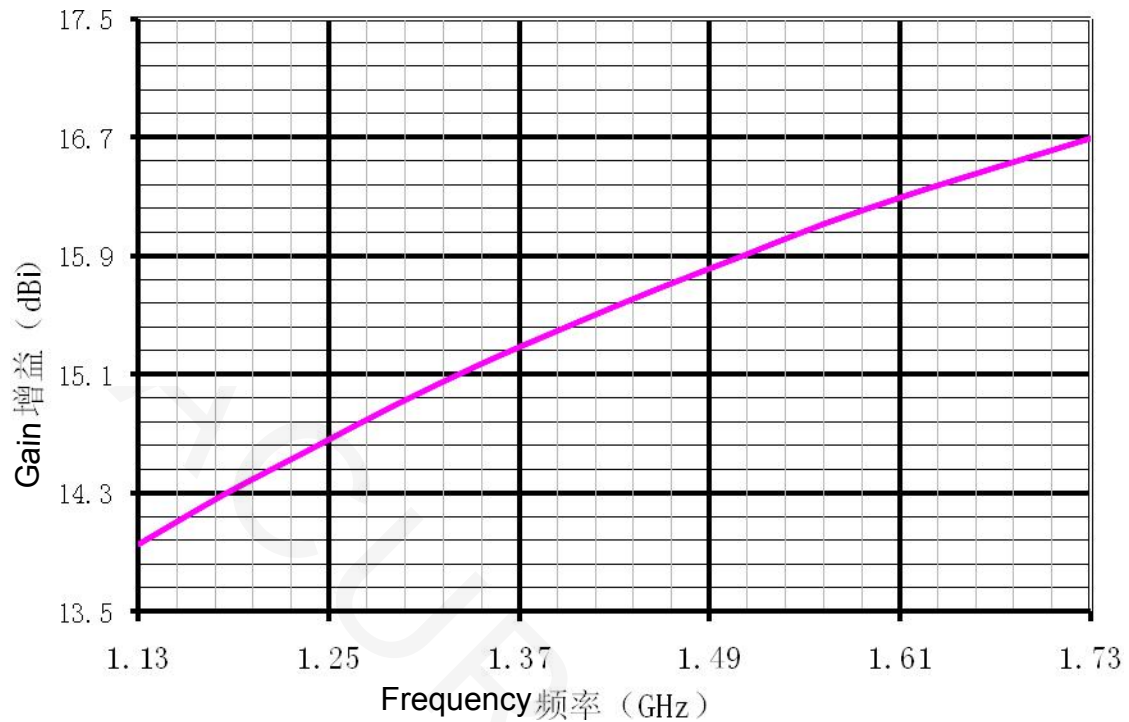
(The SMA-Female connector is also available)





Test Result

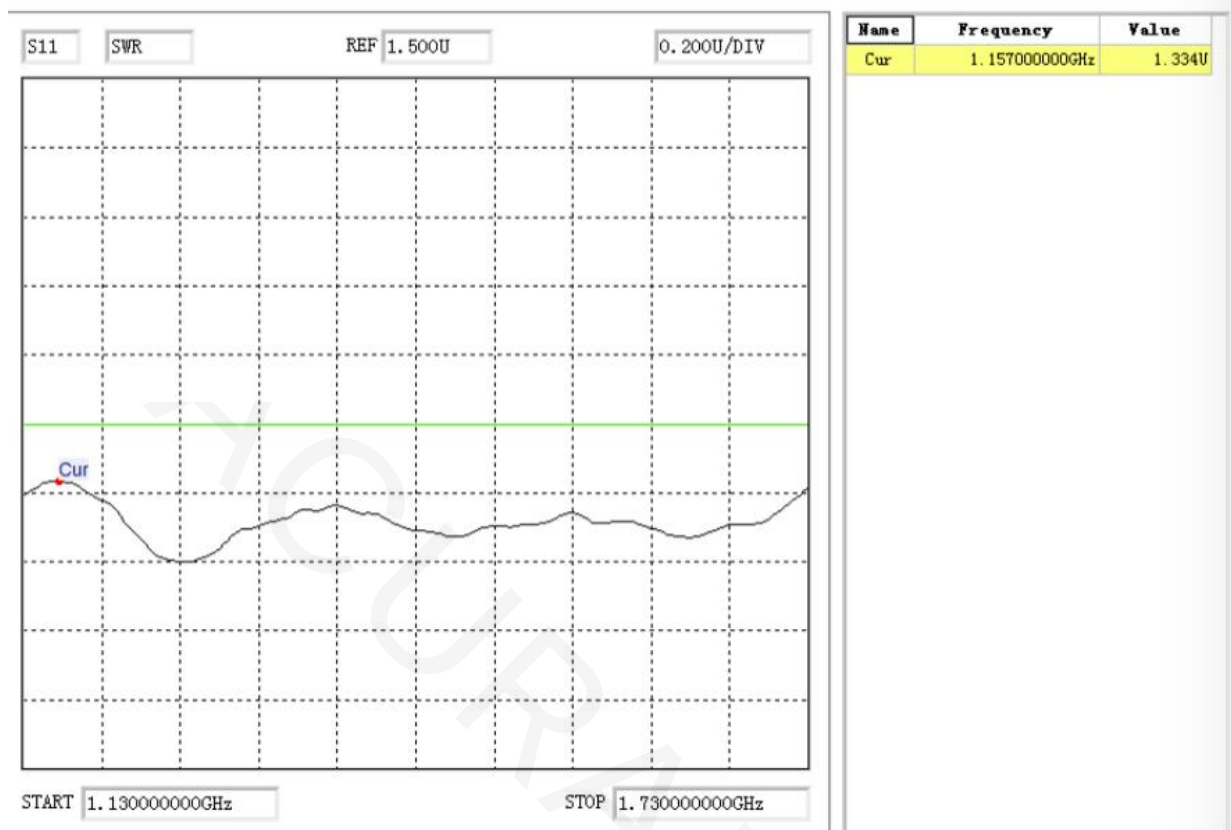
Gain



Frequency (GHz)	Gain (dBi)	Frequency (GHz)	Gain (dBi)
1.13	13.95	1.45	15.67
1.18	14.29	1.51	15.89
1.24	14.60	1.56	16.11
1.29	14.89	1.62	16.31
1.35	15.17	1.67	16.49
1.40	15.42	1.73	16.69

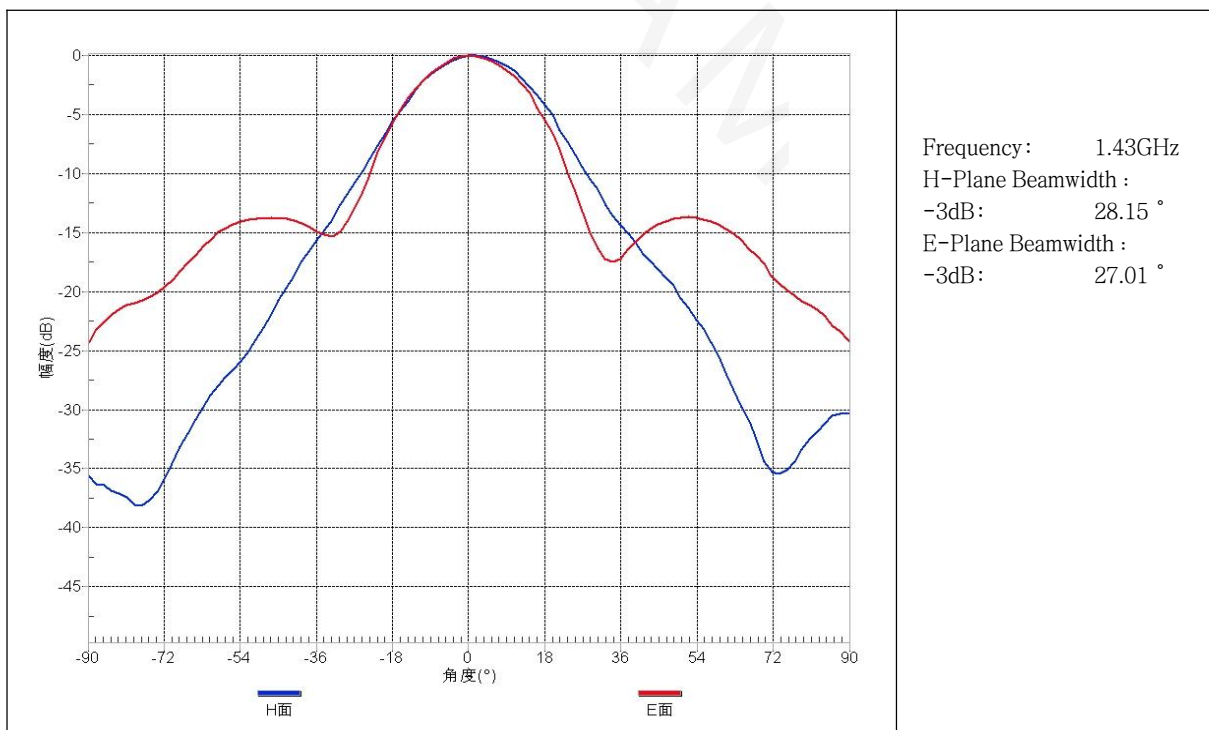
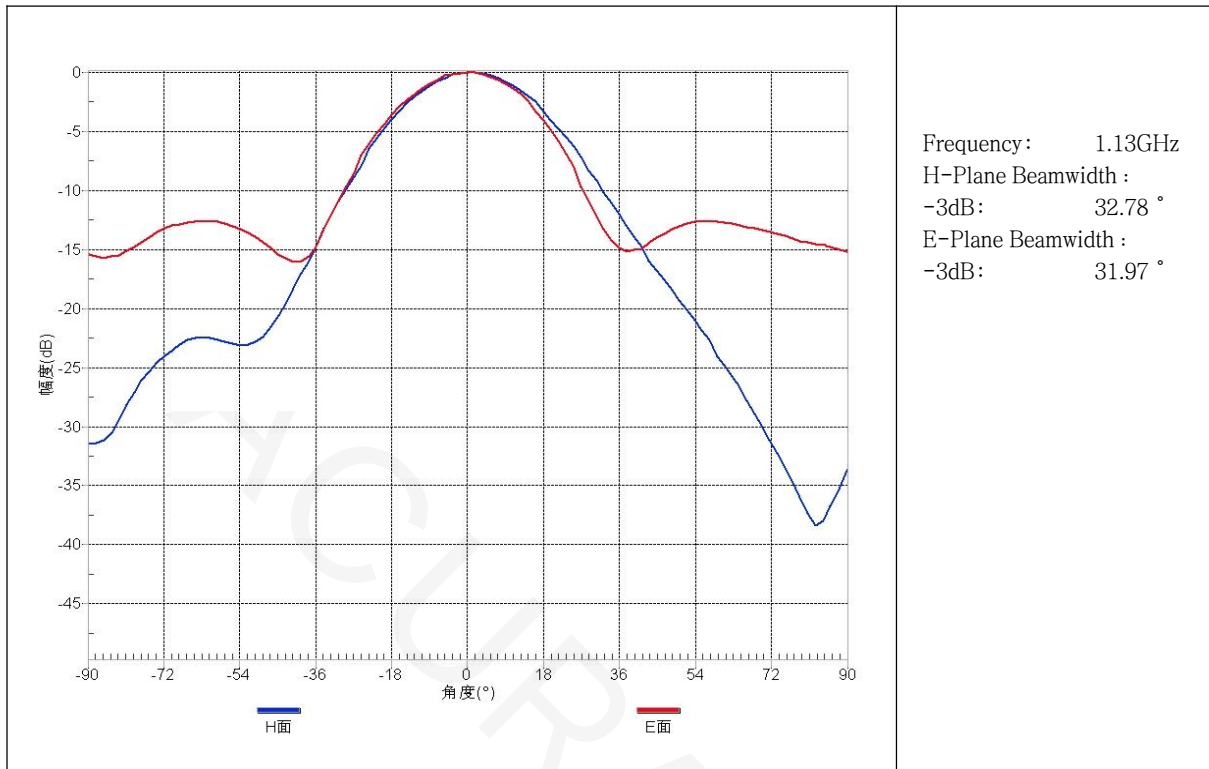


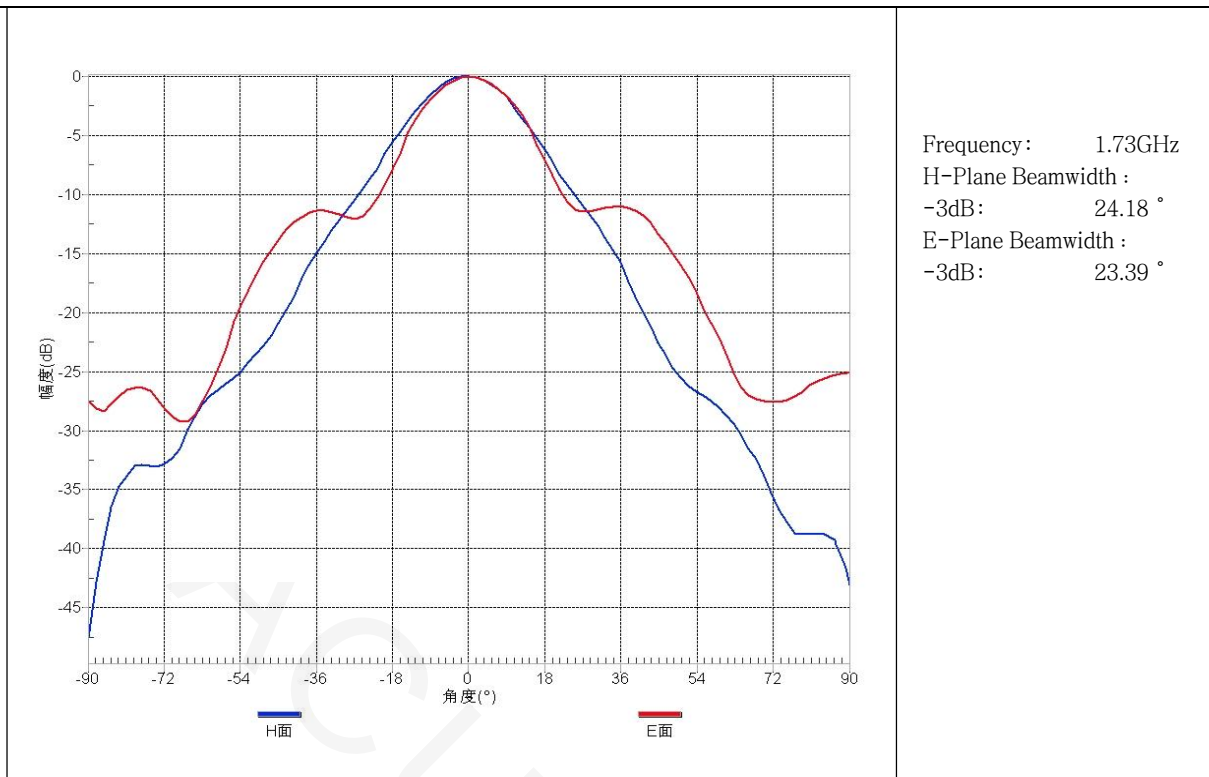
VSWR



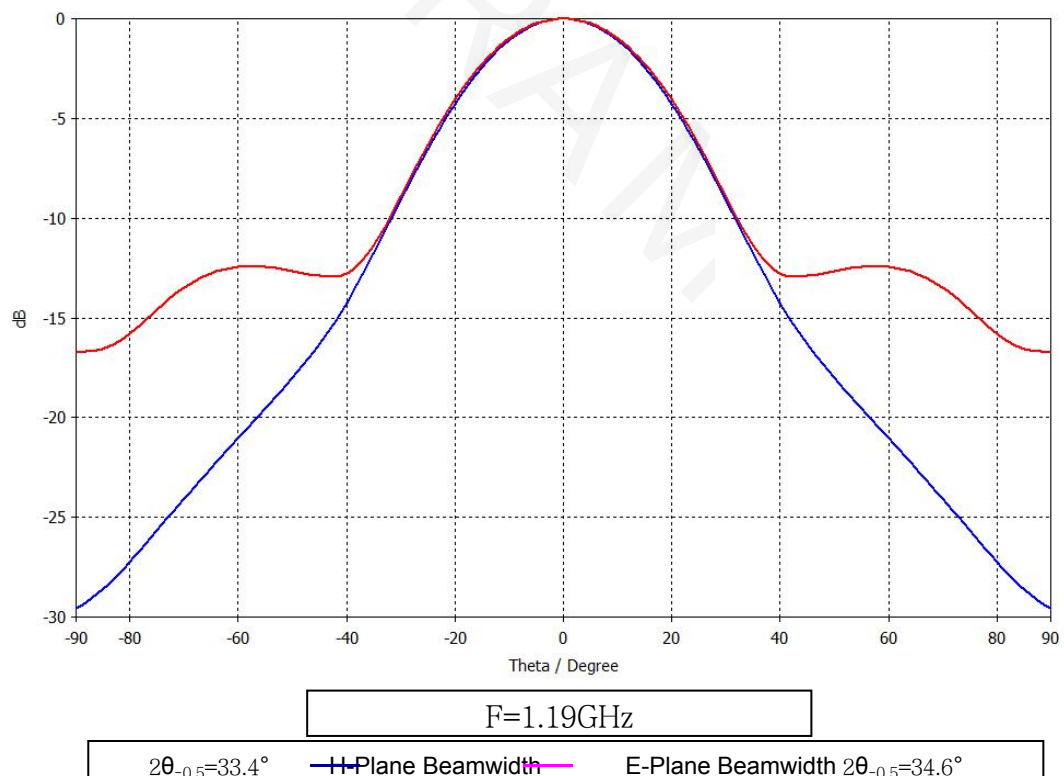


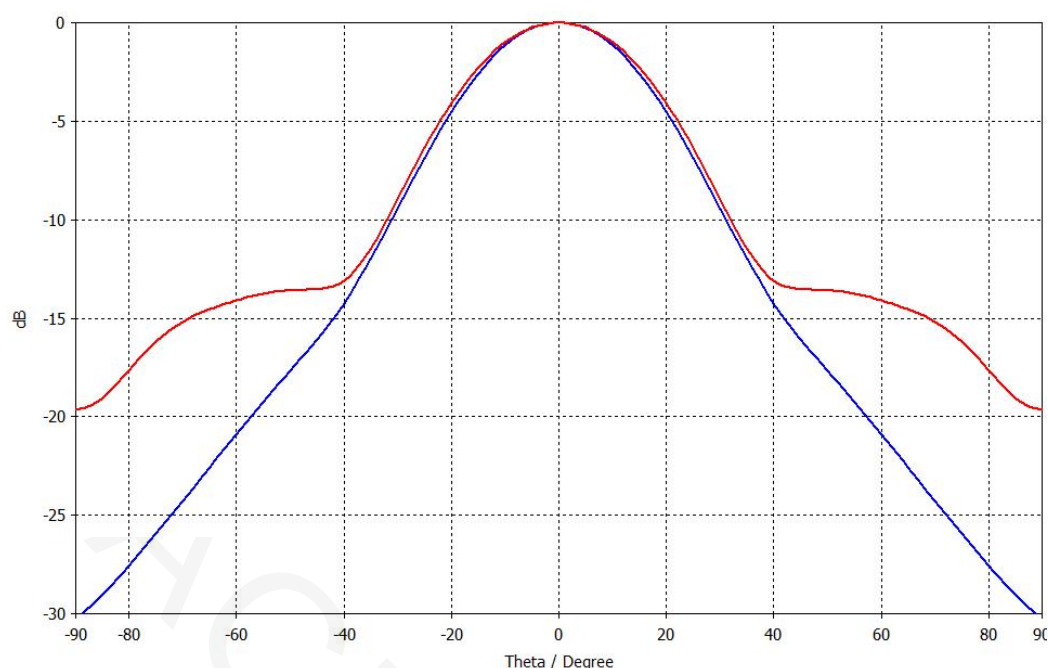
Pattern



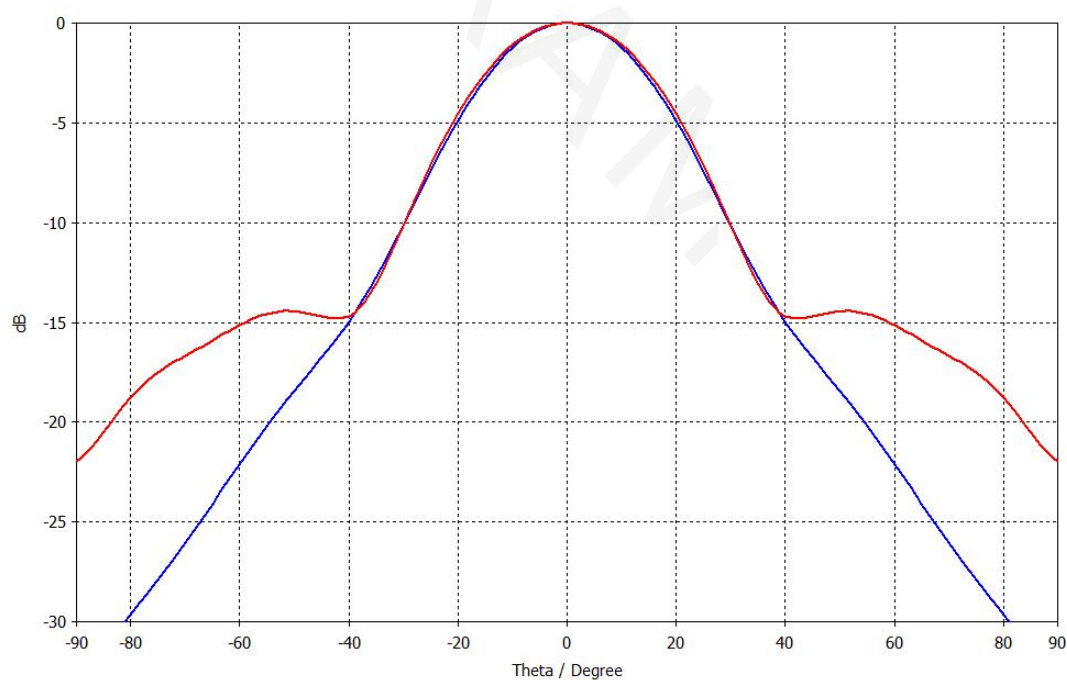


Typical Patterns at Other Frequencies

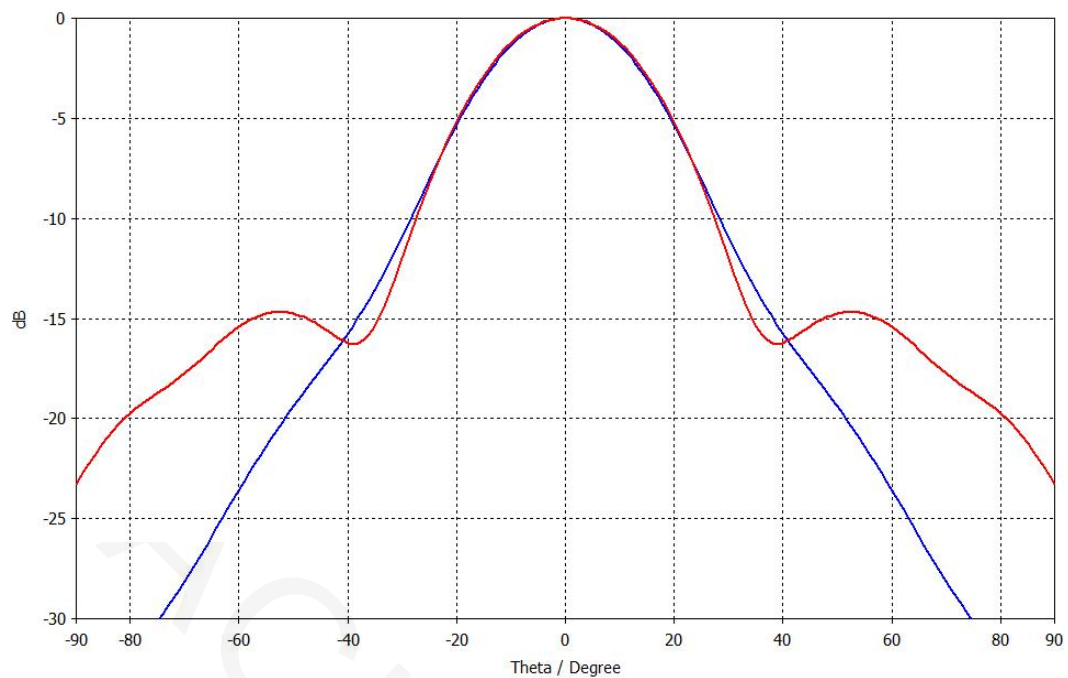




F=1.25GHz



F=1.31GHz

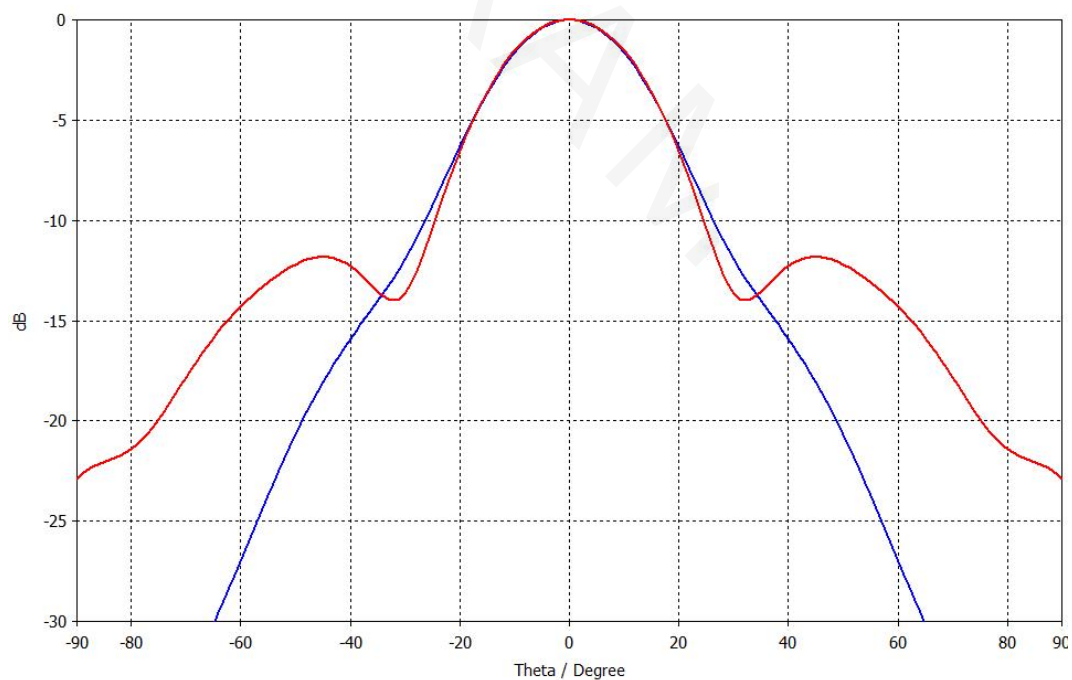


F=1.37GHz

$2\theta_{-0.5}=29.8^\circ$

H-Plane Beamwidth

E-Plane Beamwidth $2\theta_{-0.5}=30.8^\circ$



F=1.49GHz

$2\theta_{-0.5}=27.2^\circ$

H-Plane Beamwidth

E-Plane Beamwidth $2\theta_{-0.5}=27.6^\circ$

