

DATASHEET

ELECTRICAL SPECIFICATIONS

Frequency range	9.84 – 15 GHz
Impedance	50 Ω
Nominal gain	20 dBi
VSWR	≤ 1.20
Polarization	Linear
3dB bandwidth	E-Plane: 13.4 - 18.9 deg H-Plane: 13.0 – 19.4 deg



MECHANICAL SPECIFICATIONS

Waveguide type	WR75
Flange type	UBR120
Weight	195 g

MATERIAL SPECIFICATIONS

COMPONENT	MATERIAL	PLATING
Body	Aluminium	Gray paint
Flange	Aluminium	Gray paint

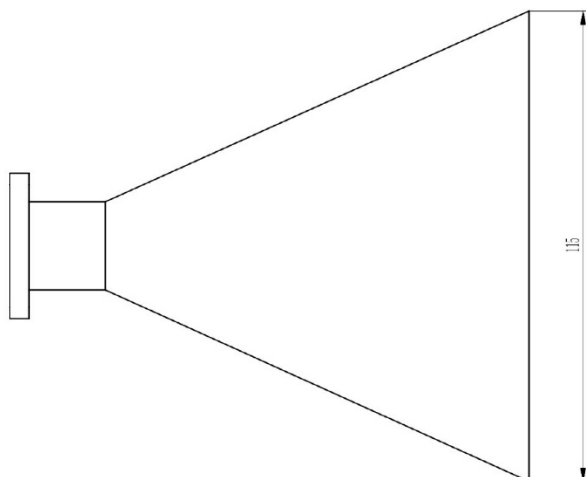
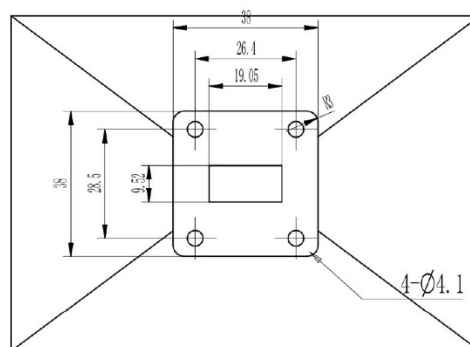
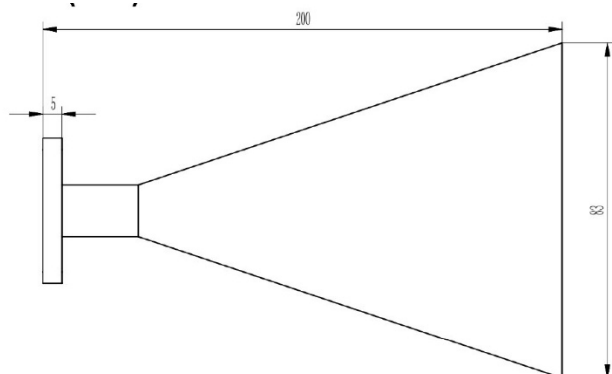
ENVIRONMENTAL SPECIFICATIONS

Temperature range	-40 / +70 °C	

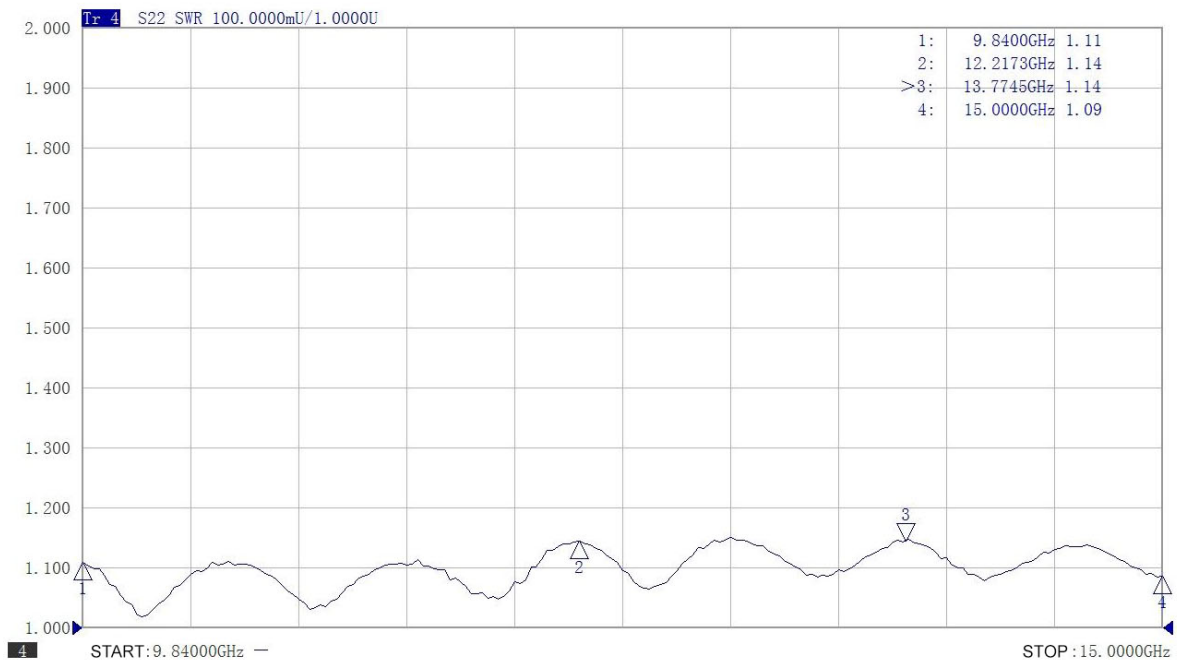


DRAWING

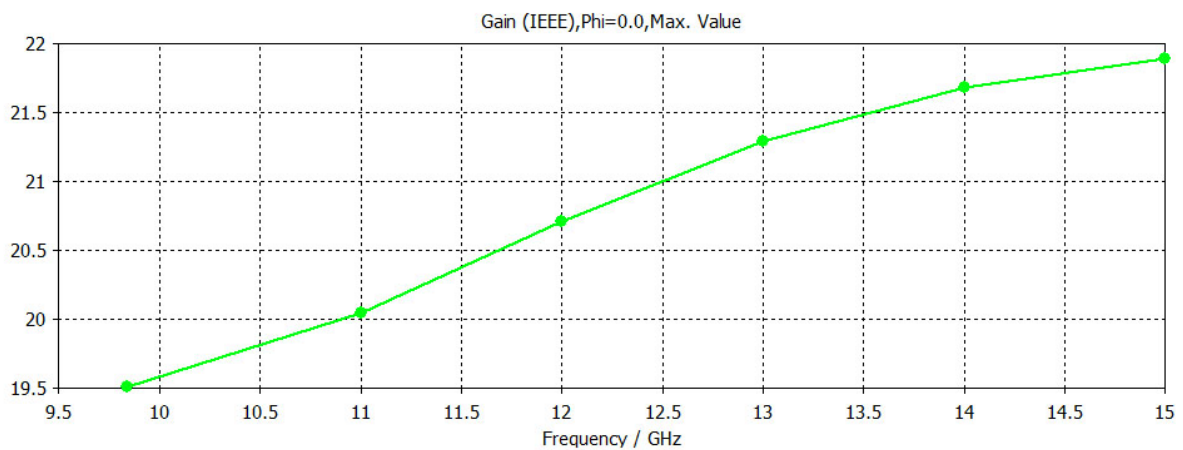
Unit: mm



TYPICAL VSWR

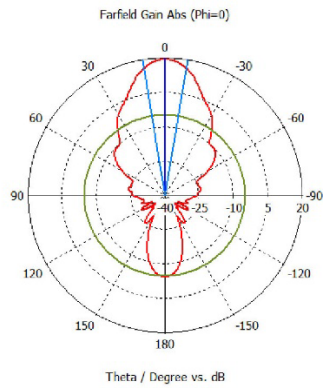


TYPICAL GAIN

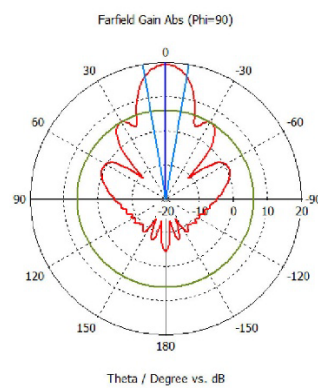


SIMULATED ANTENNA PATTERNS

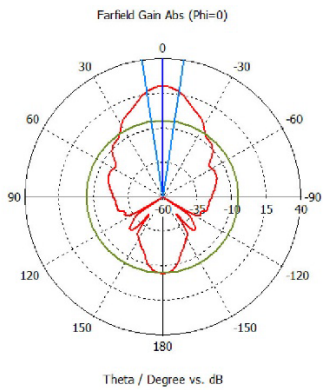
9.85GHz E-Plane



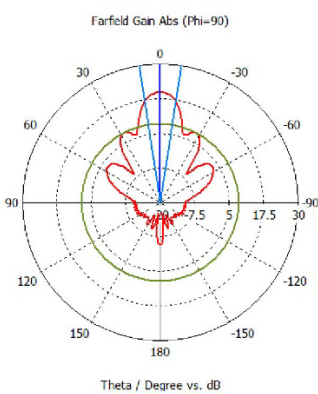
H-Plane



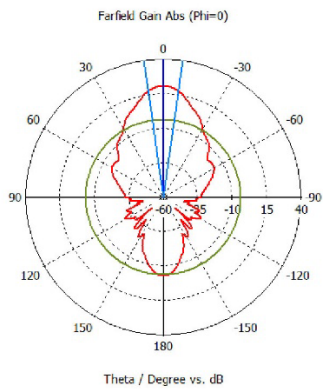
11GHz E-Plane



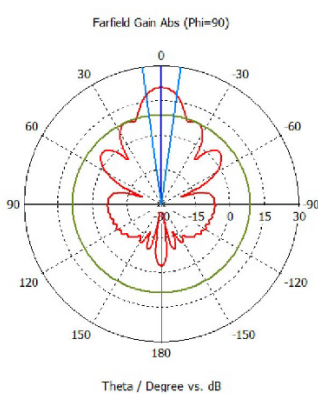
H-Plane



12GHz E-Plane

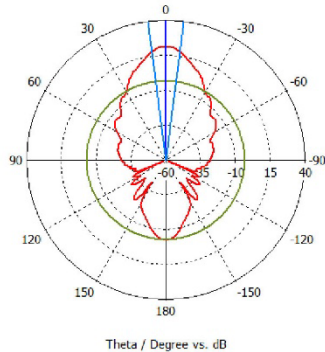


H-Plane



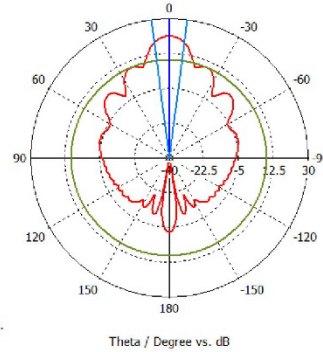
13GHz E-Plane

Farfield Gain Abs (Phi=0)



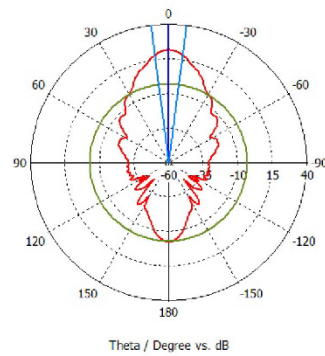
H-Plane

Farfield Gain Abs (Phi=90)



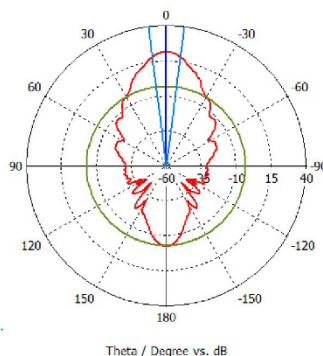
14GHz E-Plane

Farfield Gain Abs (Phi=0)



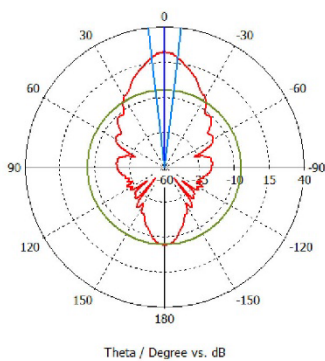
H-Plane

Farfield Gain Abs (Phi=90)



15GHz E-Plane

Farfield Gain Abs (Phi=0)



H-Plane

Farfield Gain Abs (Phi=90)

