


# Specification

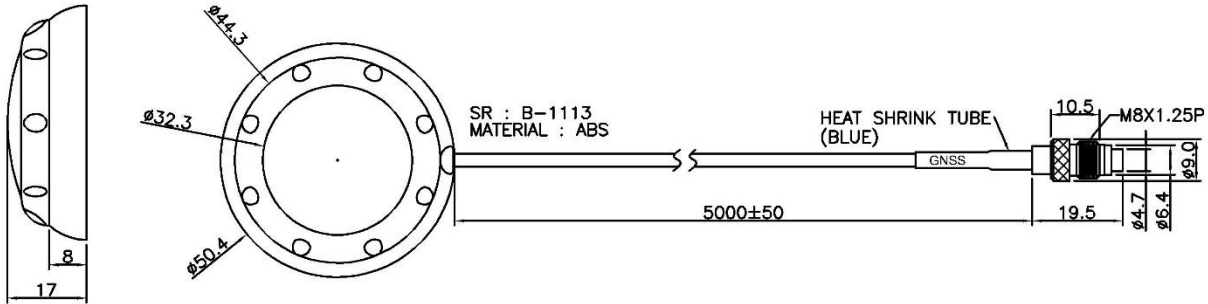
1. Product Type: GNSS Antenna
2. Part No: 203-005
3. Frequency: 1575.42/1602 MHz
4. Cable: RG316U
5. Connector: FME F


*✳️RoHS Compliant*

	Cover	OD	Cable	Connector	Gain	V.S.W.R	Impedance	Frequency
GNSS	Black	∅2.6±0.2	RG316/U	FME F (Ni)	LNA 30dB	2.0:1	50Ω	1575.42/1602MHz



ISO 9001  
ISO 14001



Material:		Treatment:		TRANSVOICE			
Drawer	Design	Aprov	Tolerance	Unit: mm		TITLE	GNSS +316U+FME F
			X=±0.5	Ver: A	Scale 1:1	Model NO	203-005
			.X=±0.2	File NO: QR0402	Drawing NO	100-27001-0203	
			.XX=±0.1				
			.XXX=±0.05				

NO	DESCRIPTION	MATERIAL / FINISH	Q*TY
Part NO			

## Characteristics of Ceramic Antenna

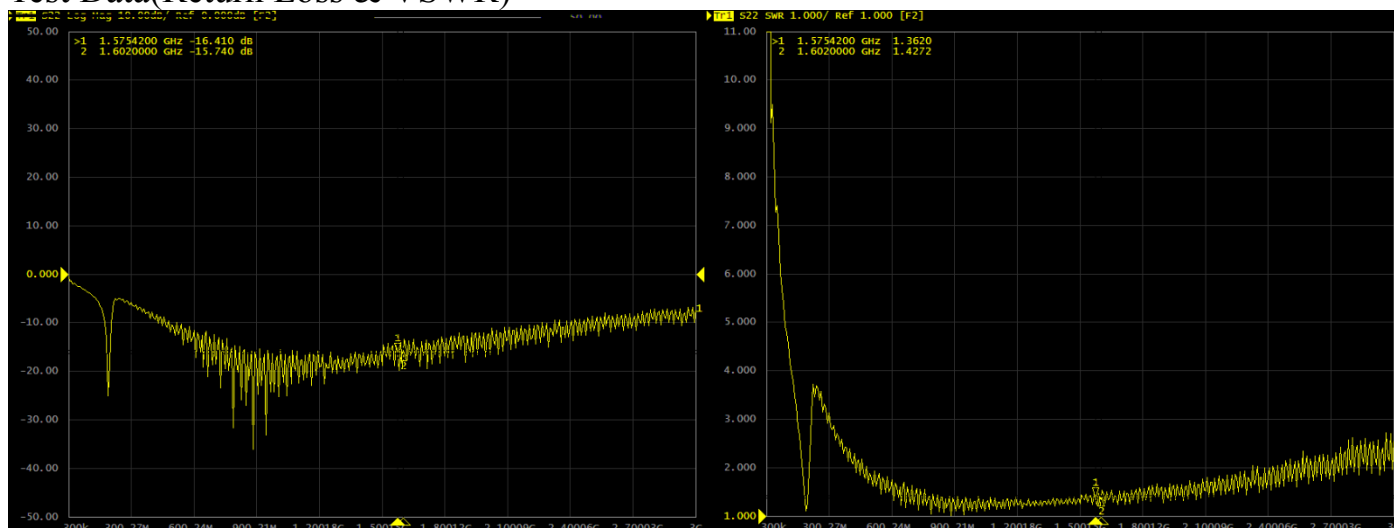
1	Antenna model	25x25x4 mm
2	Frequency Range	1575.42 & 1602 MHz
3	VSWR	2.0 max
4	Band with	10 MHz Min(Return loss -10 dB)
5	Impedance	50 ohm
6	Gain	4dBic@zenith mounted on 70mmx70mm ground plane
7	Polarization	RHCP

## Characteristics of LNA

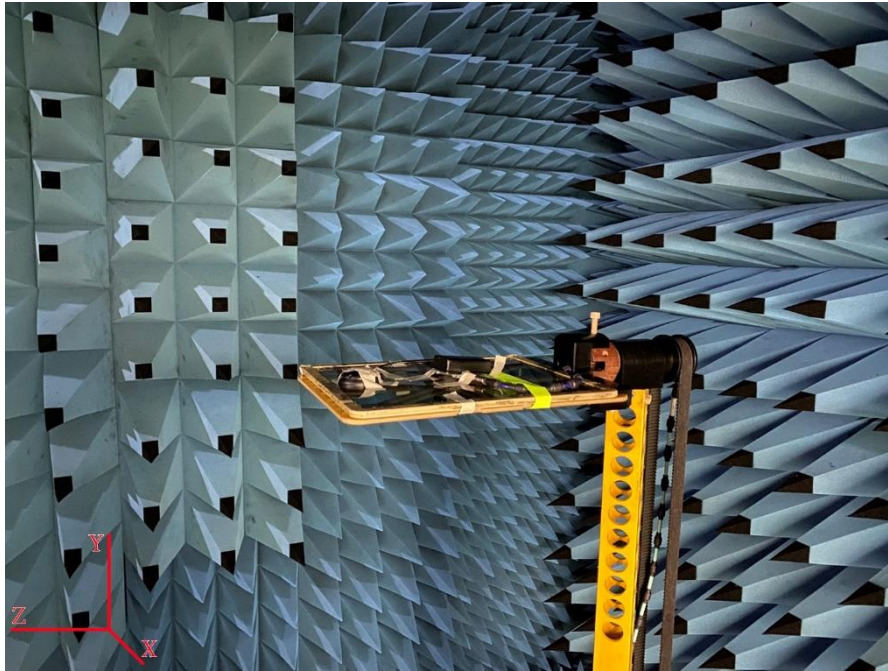
1	Frequency Range	1575.42 & 1602 MHz
2	DC current(max)	MAX 14 mA@3.3V
3	Noise Figure	1.5dB typ(+25°C±10°C)
4	LNA Gain	GPS 30dB±3dB:GLONASS 28±2dB
5	Output VSWR	1.5 max

Frequency (MHz)	Return Loss (dB)	VSWR	GAIN (dB)
1575.42	-16.41	1.36	31.41
1602	-15.74	1.42	23.55

## Test Data(Return Loss & VSWR)

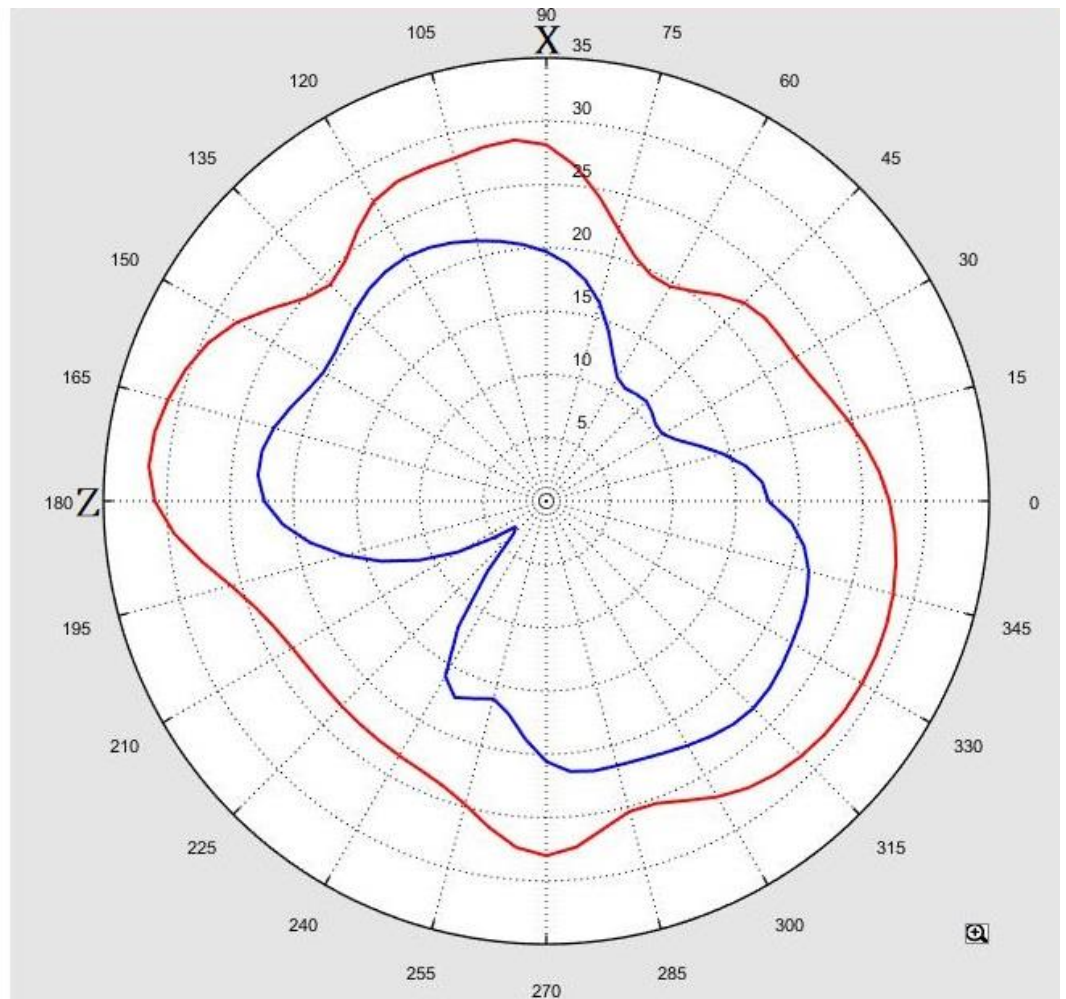


### 3D Test Photo

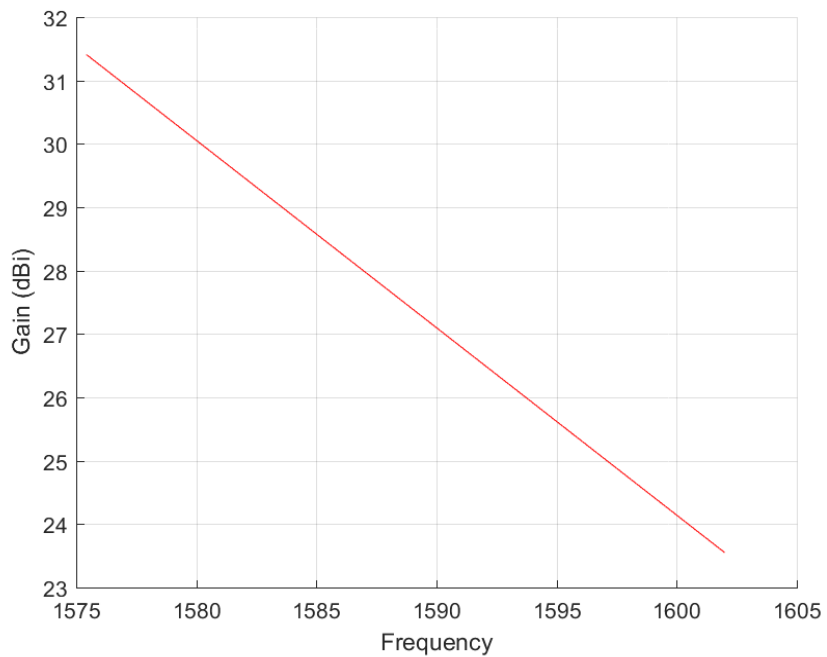


### 3D Test Data

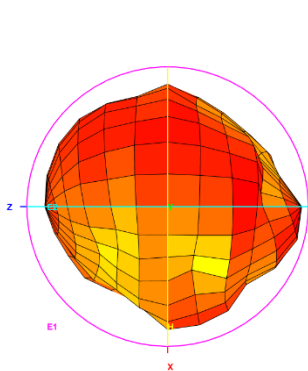
Freq. / Chan.	Color
1.57542GHz	Red
1.602GHz	Blue



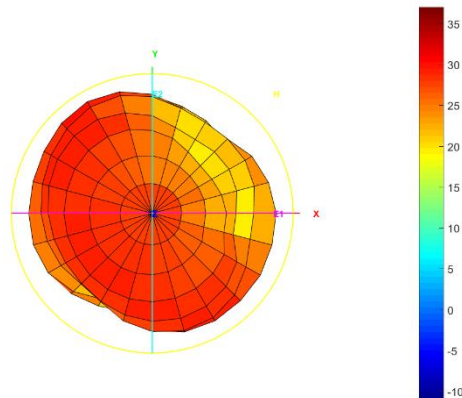
# Total\_Gain (dBi)



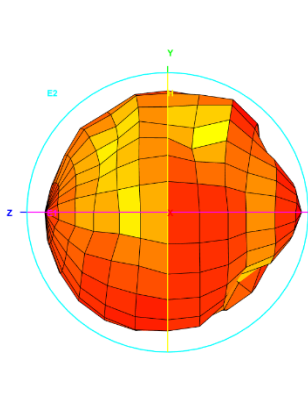
Total\_3D\_Top View\_1.57542GHz



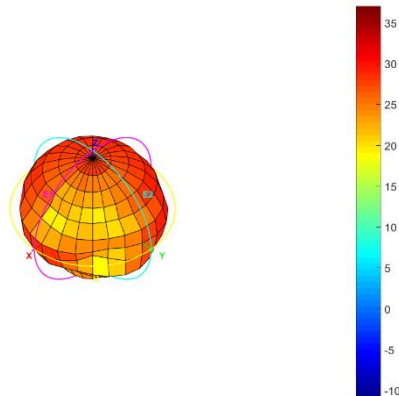
Total\_3D\_Front View\_1.57542GHz



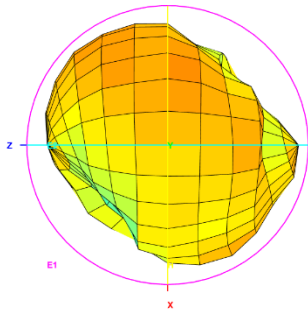
Total\_3D\_Left View\_1.57542GHz



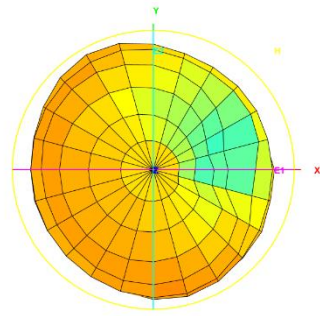
Total\_3D\_Side View\_1\_1.57542GHz



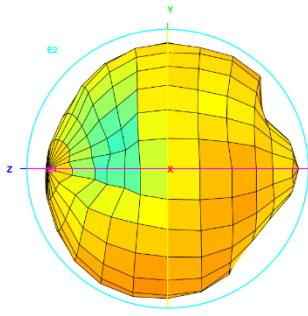
Total\_3D\_Top View\_1.602GHz



Total\_3D\_Front View\_1.602GHz



Total\_3D\_Left View\_1.602GHz



Total\_3D\_Side View\_1.602GHz

