Specification

1.Product Type: GNSS Antenna

2.Part No: 203-004

3.Frequency: 1575.42/1602 MHz

4.Cable: RG316U

5. Connector: FME F

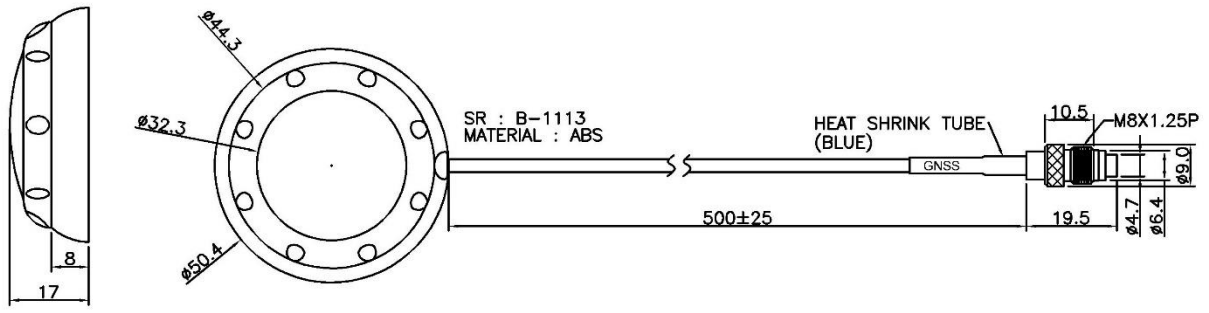
※RoHS Compliant

	Cover	OD	Cable	Connector	Gain	V.S.W.R	Impendance	Frequency
GNSS	Black	ø2.6±0.2	RG316/U	FME F (Ni)	LNA 30dB	2.0:1	50Ω	1575.42/1602MHz

ROHS

ISO 9001

ISO 14001



NO	DESCRIPTION	MATERIAL / FINISH	Q'TY
Part NO			

Material:		Treatment:	
Drawer	Design	Aprov	Tolerance
			X=±0.5 .X=±0.2 .XX=±0.1 .XXX=±0.05

TRANSVOICE			
Unit: mm		TITLE	GNSS+316U+FME F
Ver: A	Scale 1:1	Model NO	203-004
File NO: QR0402		Drawing NO	100-27001-0204

Characteristics of Ceramic Antenna

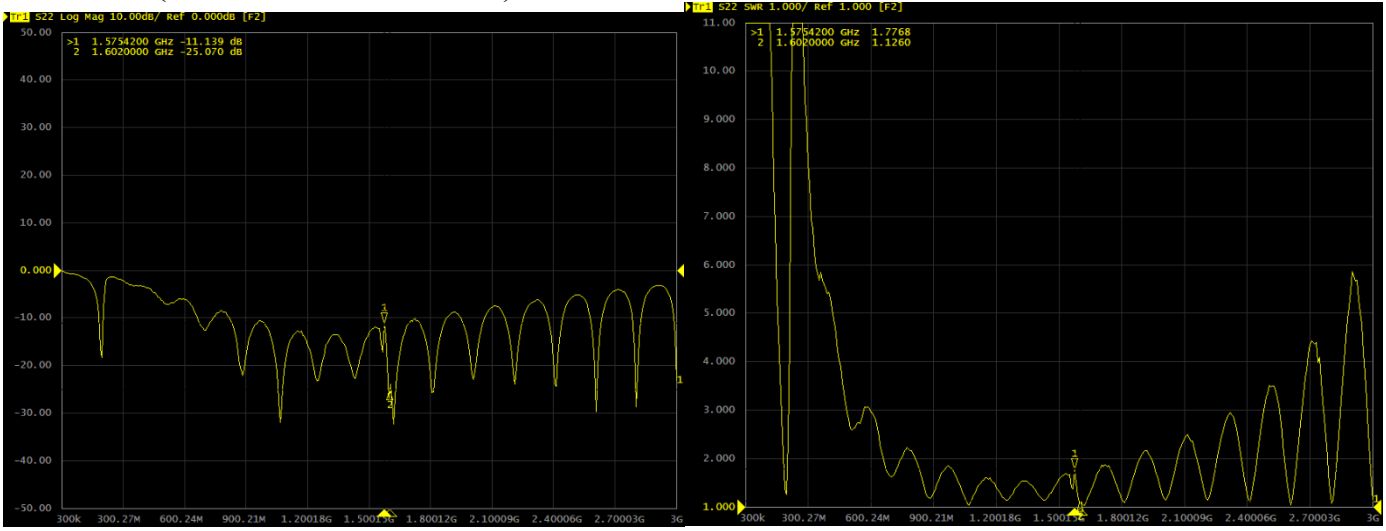
1	Antenna model	25x25x4 mm
2	Frequency Range	1575.42 & 1602 MHz
3	VSWR	2.0 max
4	Band with	10 MHz Min(Return loss -10 dB)
5	Impedance	50 ohm
6	Gain	4dBic@zenith mounted on 70mmx70mm ground plane
7	Polarization	RHCP

Characteristics of LNA

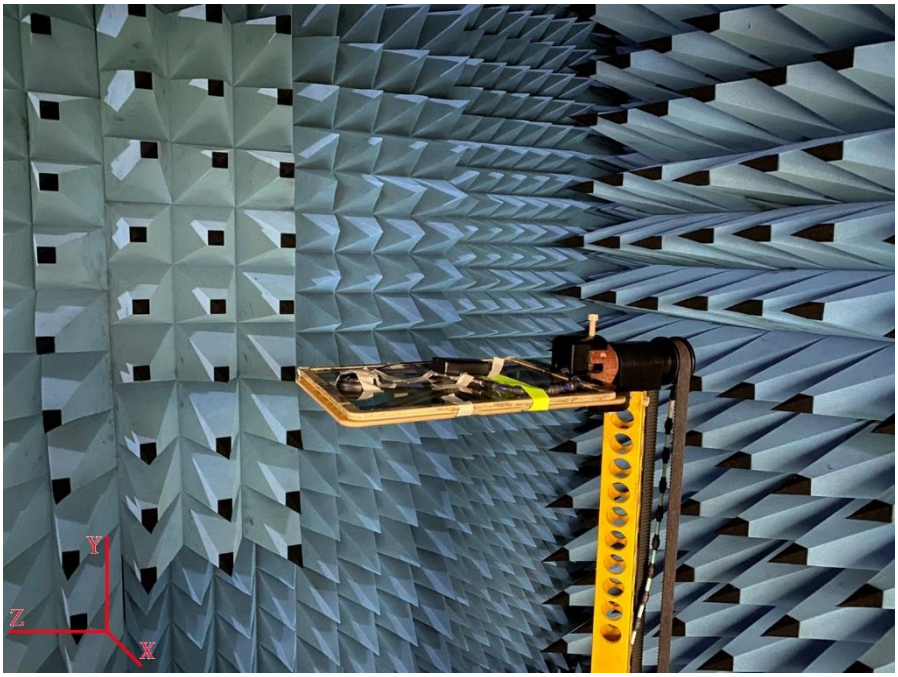
1	Frequency Range	1575.42 & 1602 MHz
2	DC current(max)	MAX 14 mA@3.3V
3	Noise Figure	1.5dB typ(+25℃±10℃)
4	LNA Gain	GPS 30dB±3dB:GLONASS 28±2dB
5	Output VSWR	1.5 max

Frequency (MHz)	Return Loss (dB)	VSWR	GAIN (dB)
1575.42	-11.13	1.77	31.41
1602	-25.07	1.12	23.55

Test Data (Return Loss & VSWR)

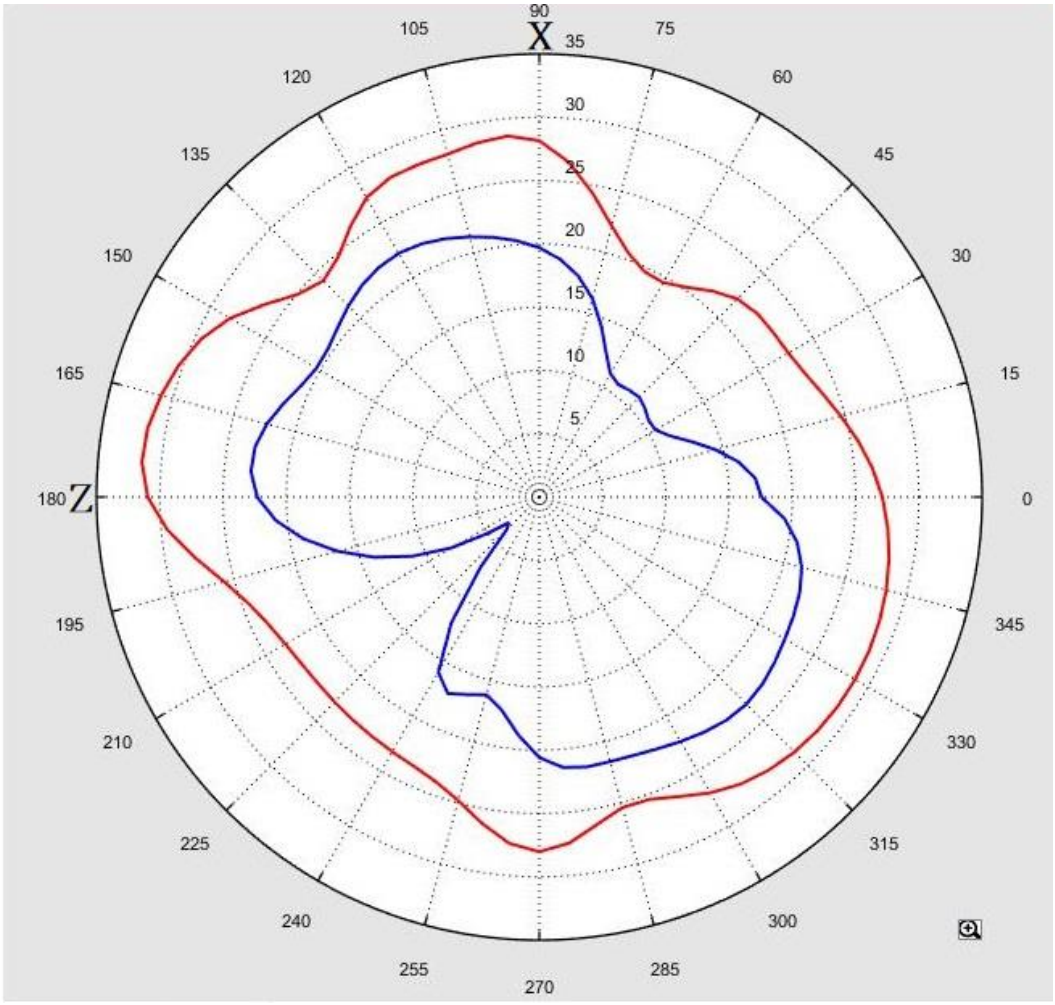


3D Test Photo

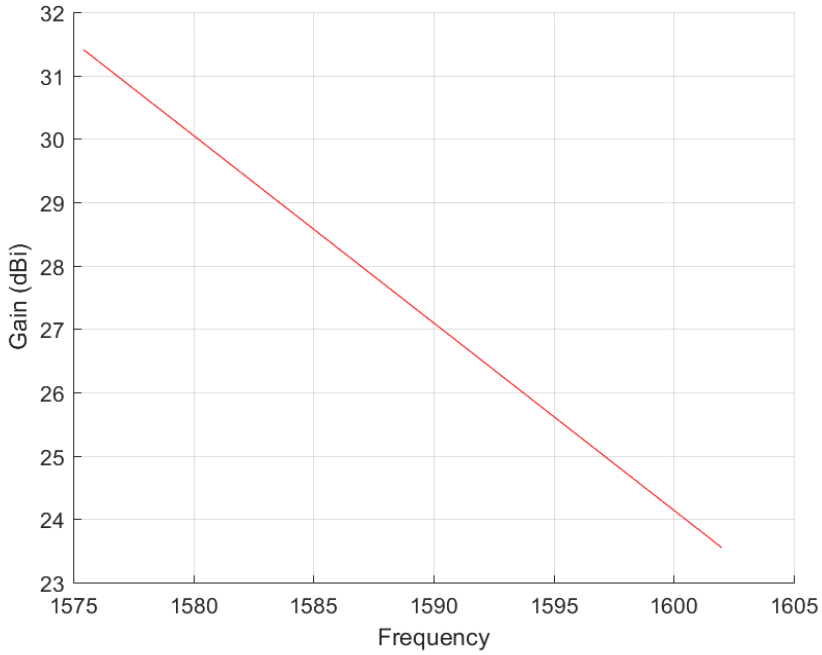


3D Test Data

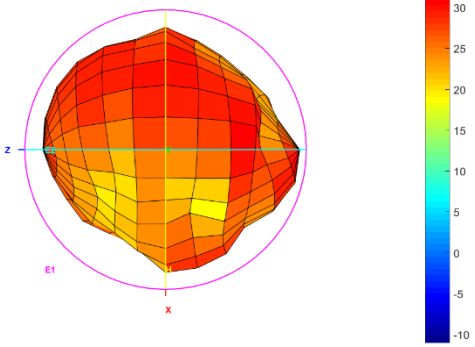
Freq. / Chan.	Color
1.57542GHz	
1.602GHz	



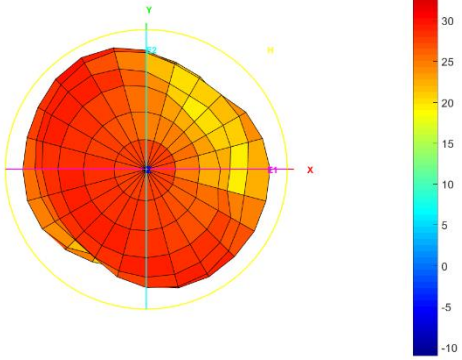
Total_Gain (dBi)



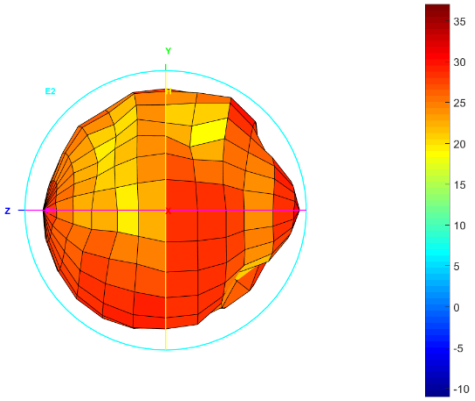
Total_3D_Top View_1.57542GHz



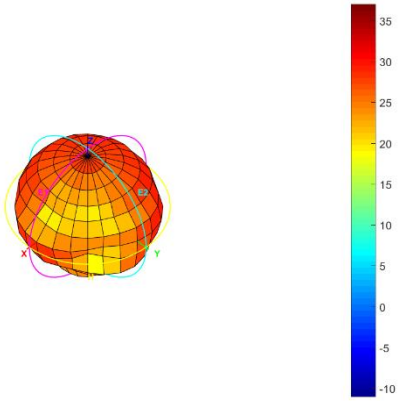
Total_3D_Front View_1.57542GHz



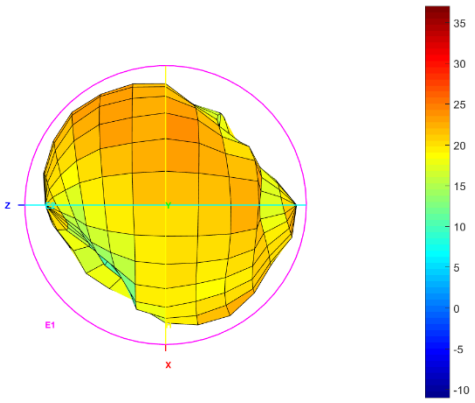
Total_3D_Left View_1.57542GHz



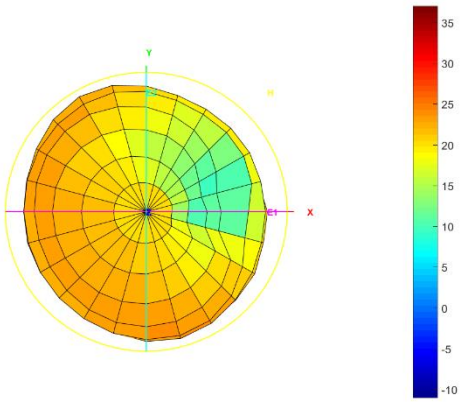
Total_3D_Side View 1_1.57542GHz



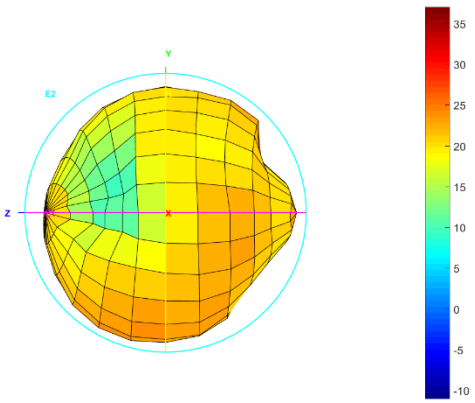
Total_3D_Top View_1.602GHz



Total_3D_Front View_1.602GHz



Total_3D_Left View_1.602GHz



Total_3D_Side View 1_1.602GHz