



CHINMORE INDUSTRY CO.,LTD

Specification

- 1.Screw Mount Antenna for GNSS
 - 2.R56 series Antenna with connector N F
 - 3.Frequency: 1575.42 MHz /1602 MHz
 - 4.Connector: N F(BH)
 - 5.Gain: 30dBi
 - 6.Connector: N F
 - 7.V.S.W.R.: 2.0:1
- ✧Waterproof IP67 Rated*
- ✧RoHS Compliant*



Passive Antenna

Characteristics	GPS Band	Galileo Band	GLONASS Band	Unit
Working Frequency	1575.42		1598~1606	MHz
VSWR(@Center Frequency*)	2 Max. (typical)			
Characteristics Impedance	50			Ω
Polarization	RHCP			
Gain at Zenith	2.5 (typical)		1.9 (typical) @1602 MHz	dBi
Efficiency	74.4 (typical)		55.4 (typical) @1602 MHz	%

LNA

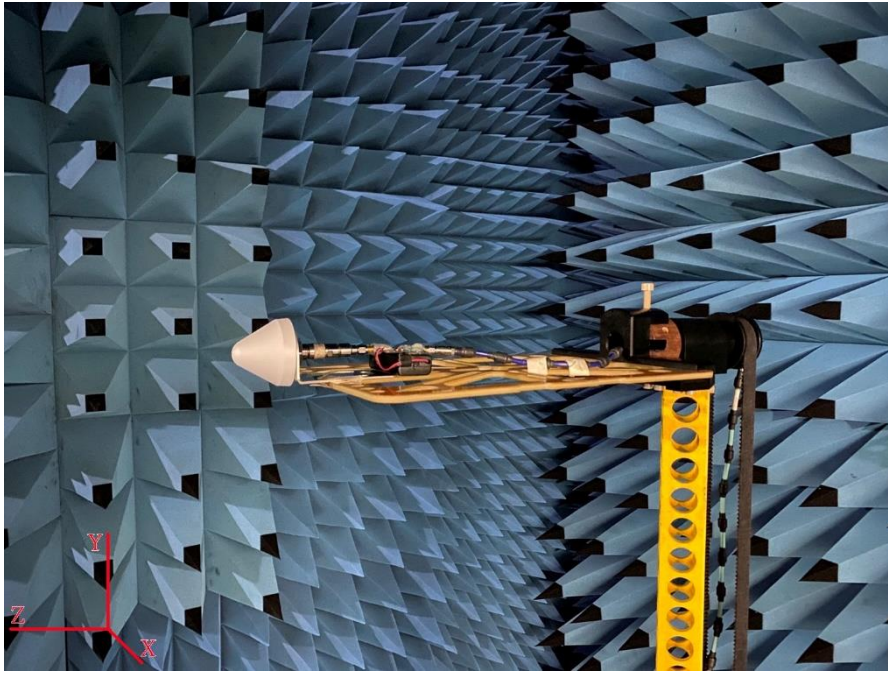
Characteristics	Specification	Unit
Gain	31.0(typical**)@1575.42 MHz, DC3.0V 30.3(typical**)@1602 MHz, DC3.3V	dB
Noise Figure	1.76(typical**)@1575.42MHz, DC3.0V 2.14(typical**) @1602 MHz, DC3.0V	dB
Output VSWR	2.5 Max. (typical**)	
Current	15 (typical) at 3V	mA

Frequency (MHz)	Return Loss (dB)	VSWR	Gain (dBi)
1575.42	-14.92	1.43	29.32
1602	-12.04	1.67	27.8

Test Report (Return Loss & VSWR)

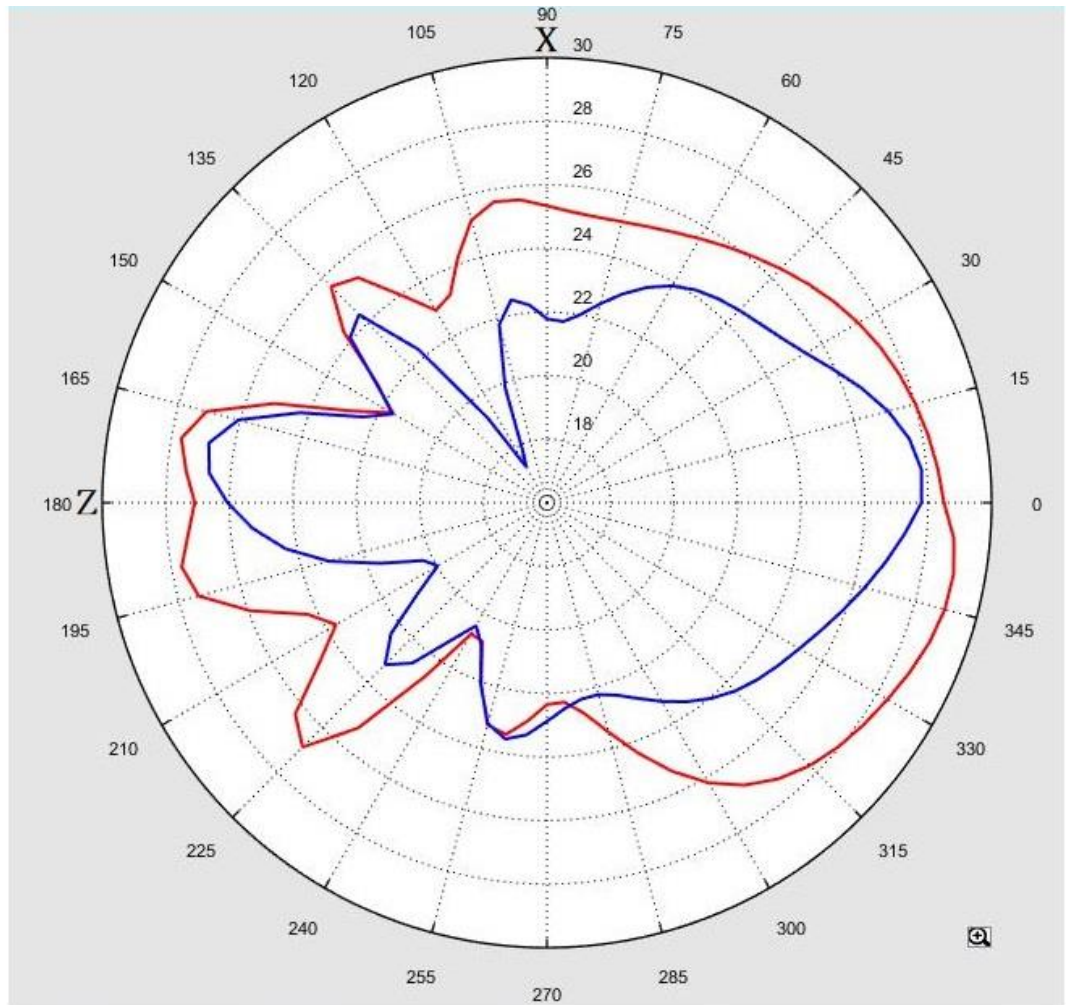


3D Test Photo

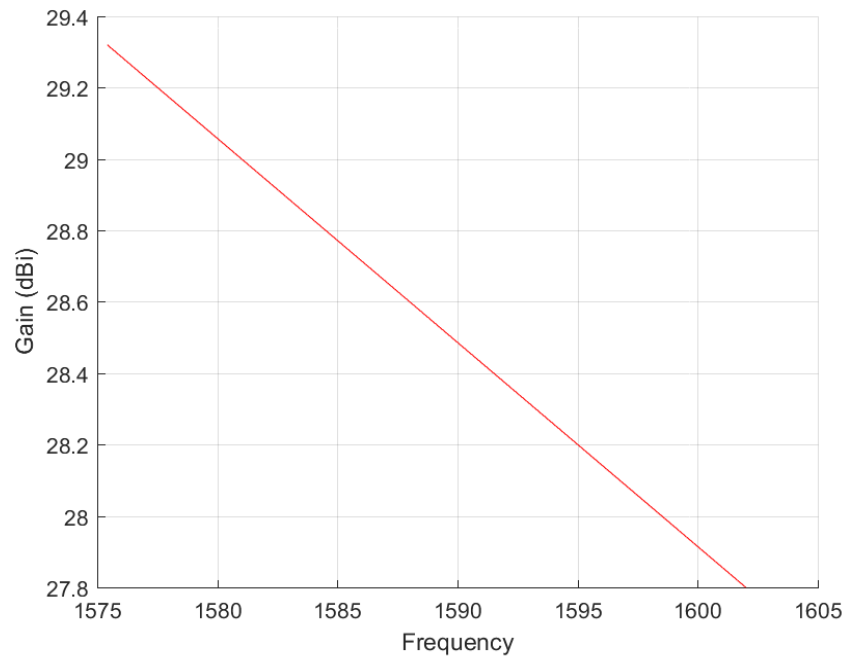


3D Test Data

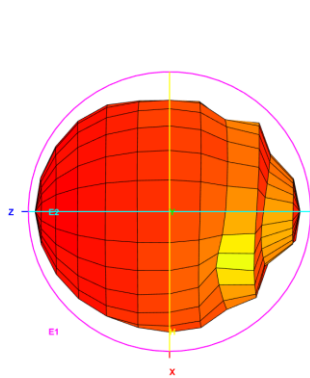
Freq. / Chan.	Color
1.57542GHz	Red
1.602GHz	Blue



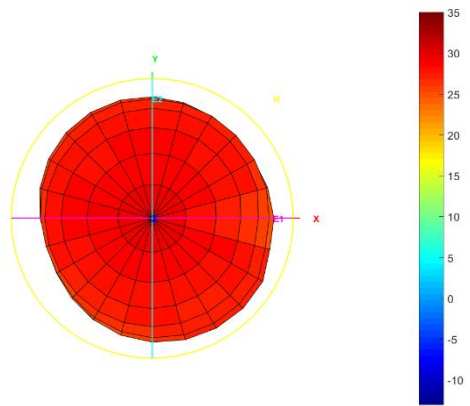
Total_Gain (dBi)



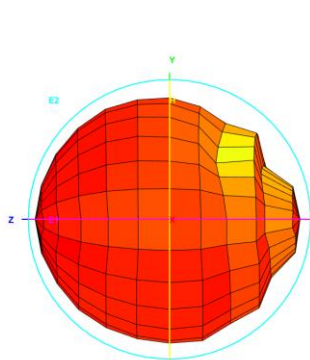
Total_3D_Top View_1.57542GHz



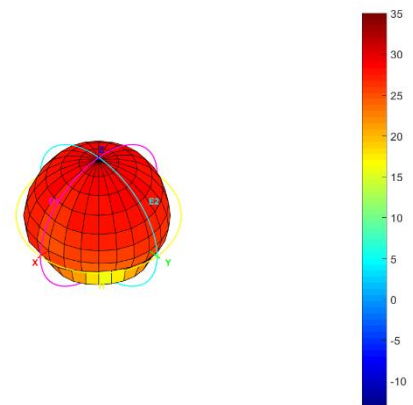
Total_3D_Front View_1.57542GHz



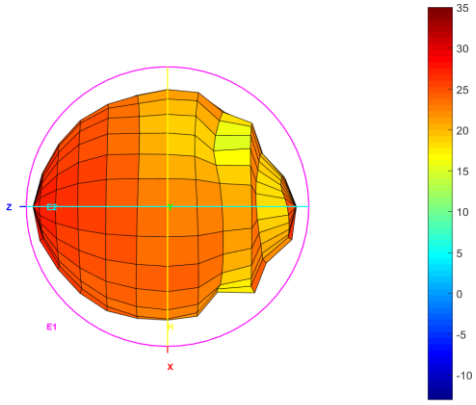
Total_3D_Left View_1.57542GHz



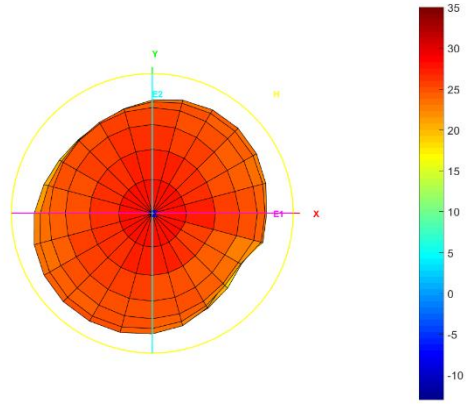
Total_3D_Side View_1_1.57542GHz



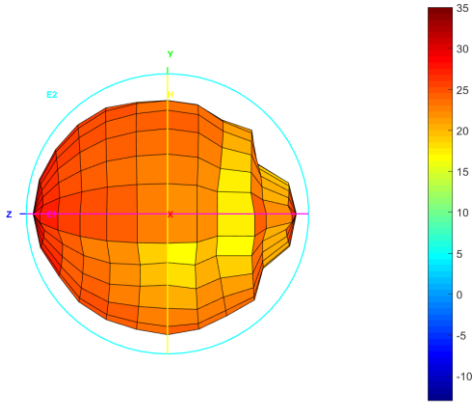
Total_3D_Top View_1.602GHz



Total_3D_Front View_1.602GHz



Total_3D_Left View_1.602GHz



Total_3D_Side View 1_1.602GHz

