



CHINMORE INDUSTRY CO., LTD

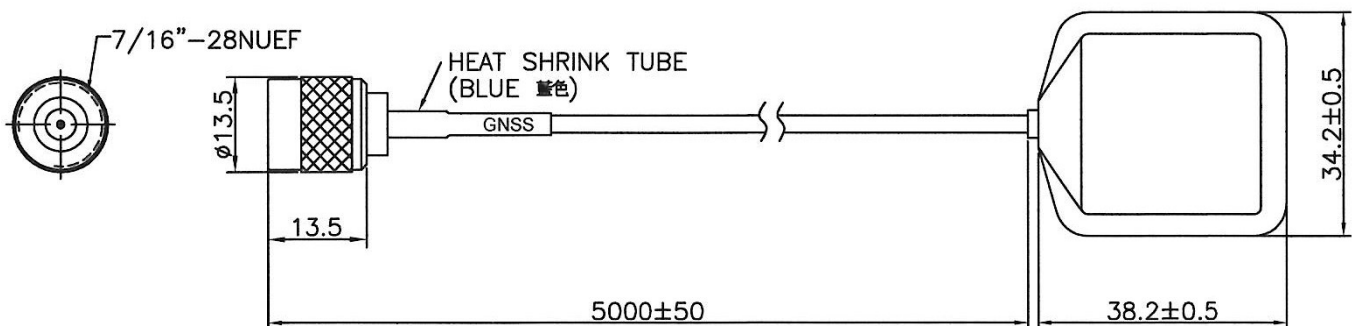
Specification

1. Product Type: Magnet Mount Antenna with GPS/GLONASS
2. Chinmore's No: GPS-01 series
3. Frequency for GPS: 1575.42 MHz
Frequency for GLONASS: 1602 MHz
4. Cable: RG-174 5M
5. Connector: TNC M
6. Gain: 30dB

※RoHS Compliant

※CE Certification

※Waterproof IP67 Rated



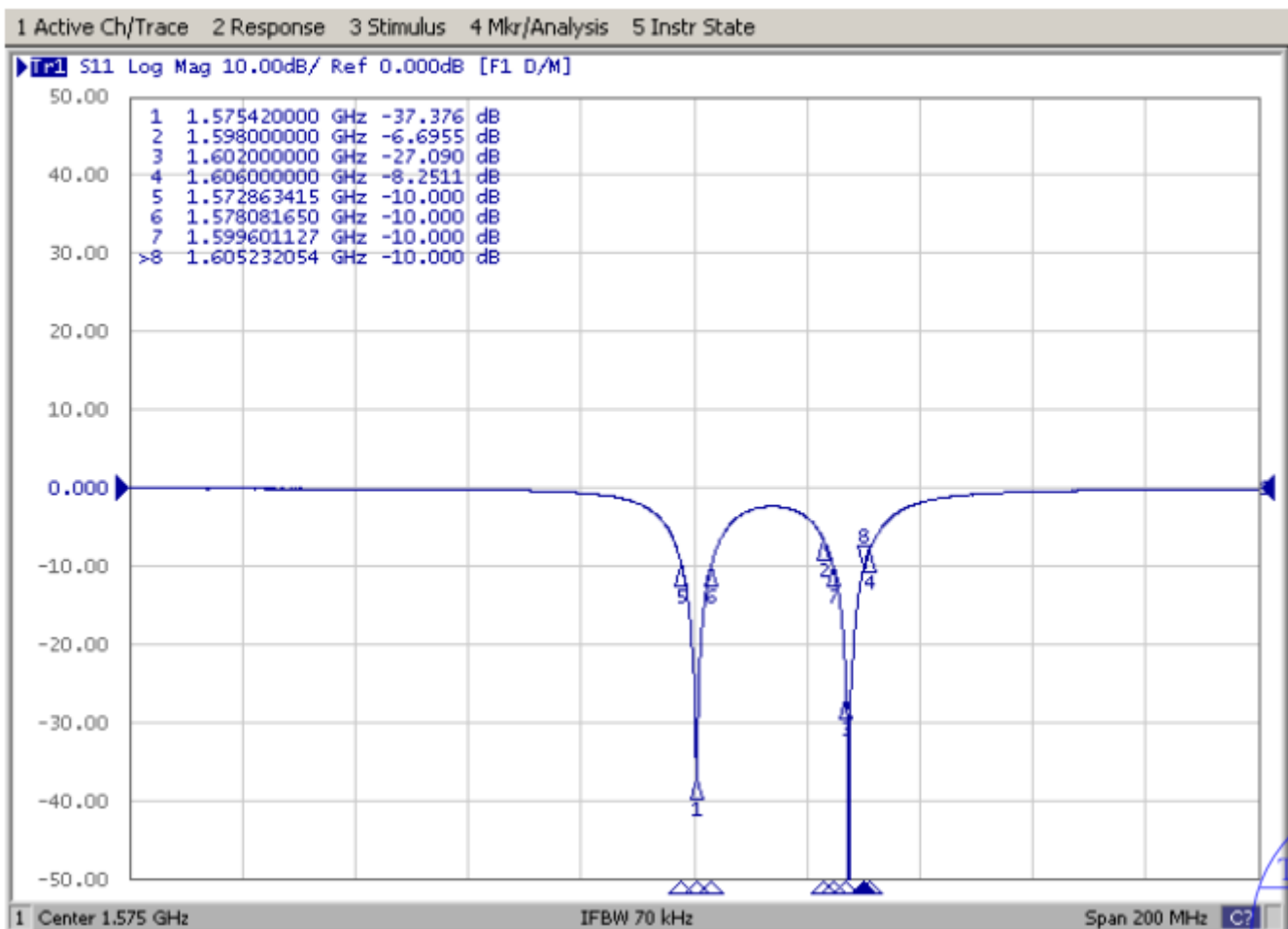
Passive ANTENNA

Characteristics	GPS 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) <small>(note.1)</small>	1.9 (typical) <small>(note.1)</small> @1602 MHz	dBi
Efficiency	74.4 (typical)	55.4 (typical) @1602 MHz	%

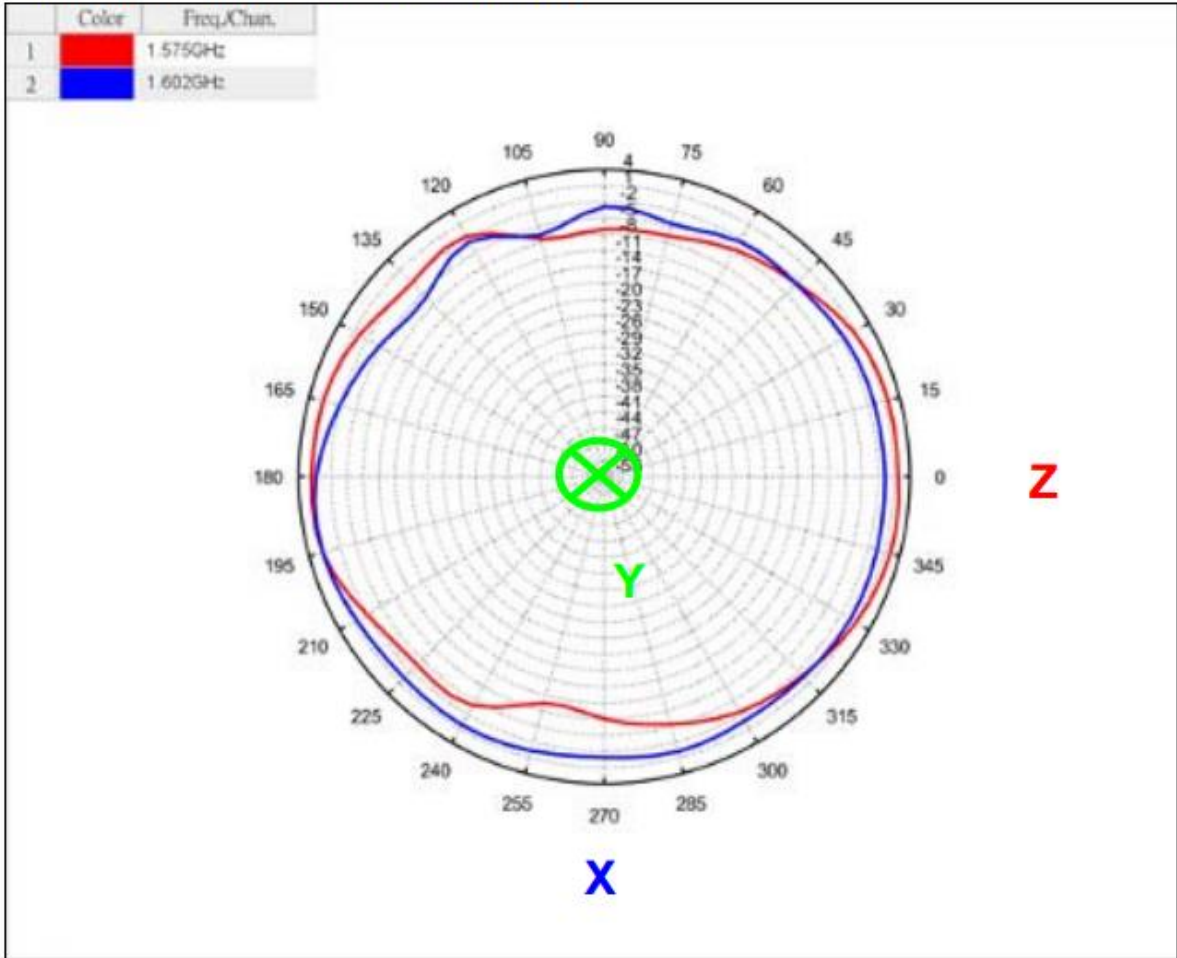
LNA

Characteristics	Specification	Unit
Gain	31.0(typical**)@1575.42 MHz, DC3.0V <small>(note.2)</small> 30.3(typical**)@1602 MHz, DC3.3V <small>(note.2)</small>	dB
Noise Figure	1.76(typical**)@1575.42MHz, DC3.0V 2.14(typical**) @1602 MHz, DC3.0V	dB
Output VSWR	2.5 Max. (typical**)	
Input Voltage	DC = 3.0 \pm 0.5	V
Current	15 (typical) at 3V <small>(note 3)</small>	mA

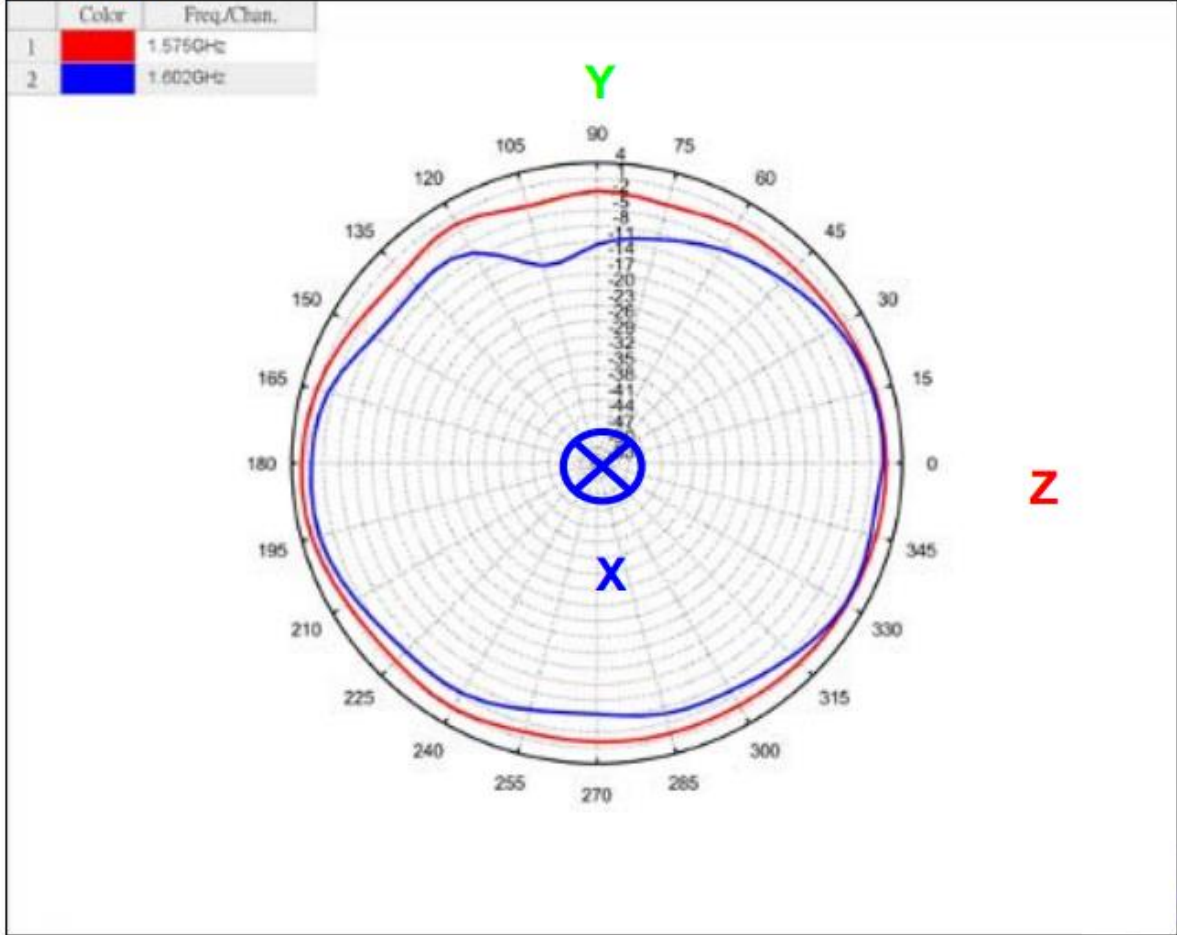
Return loss

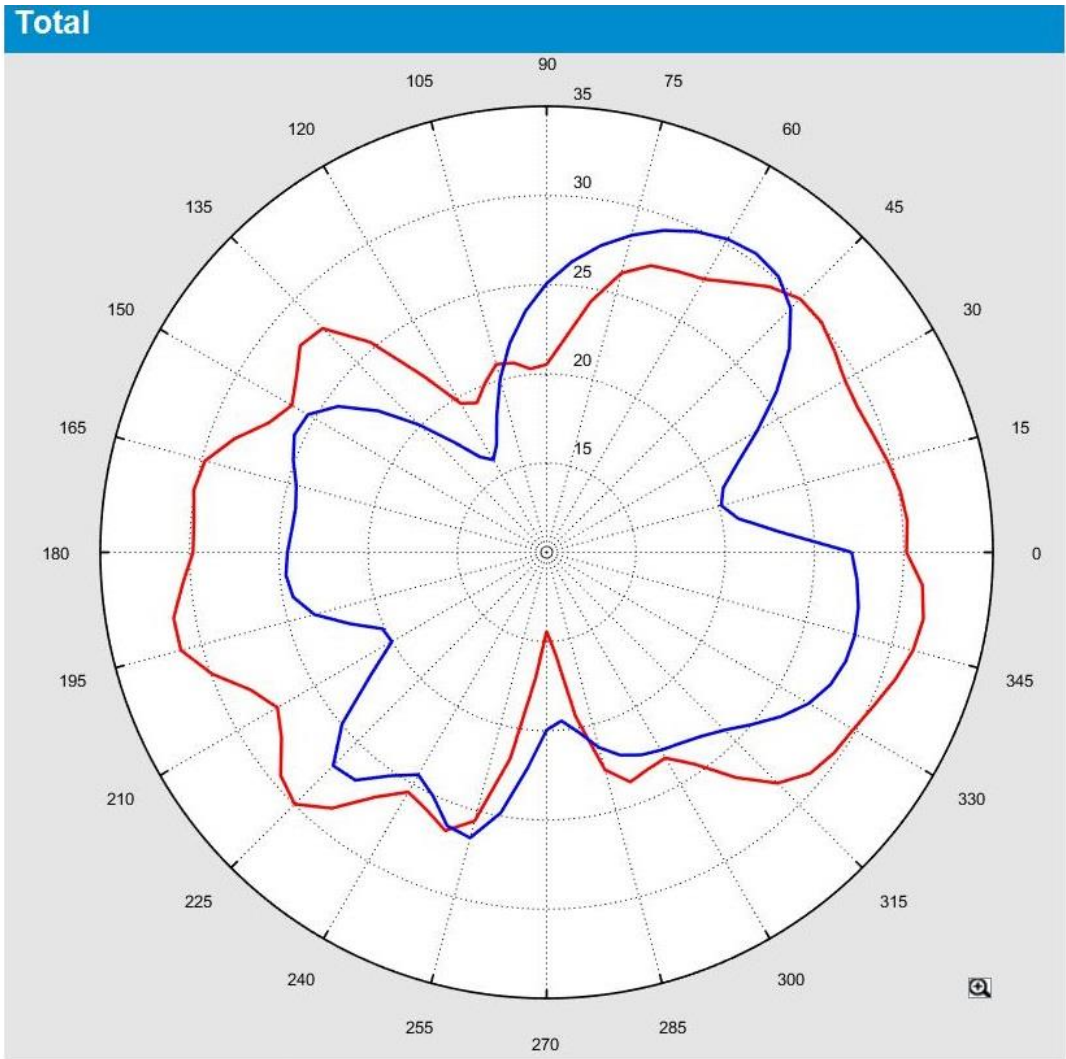


Radiation Gain Pattern XZ-Plane

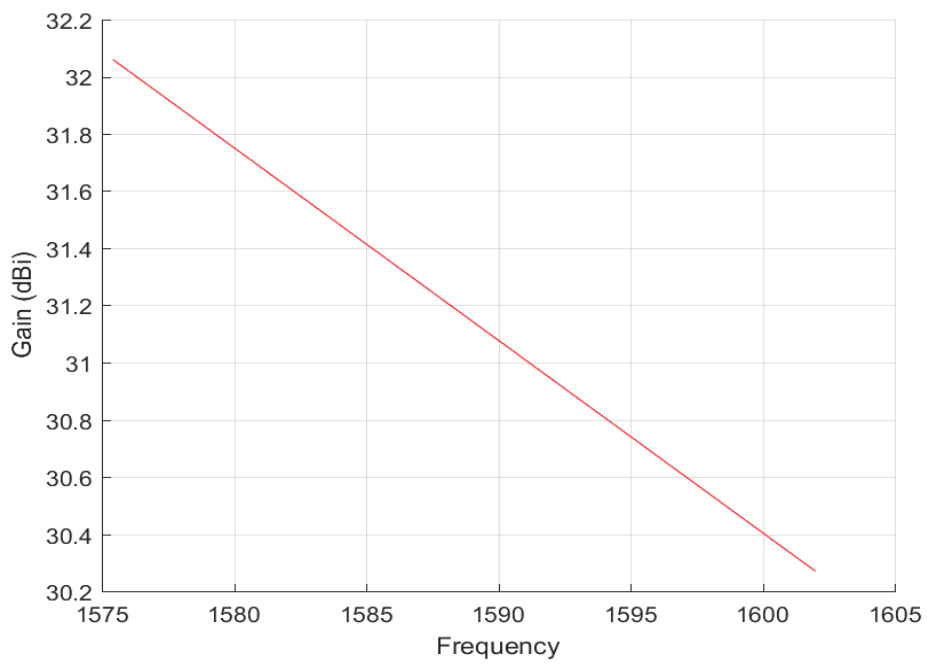


YZ-Plane

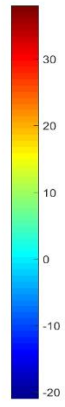
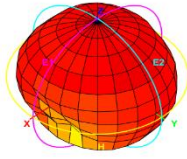




Total_Gain (dBi)



Total_3D_Side View 1_1.57542GHz



Total_3D_Side View 1_1.602GHz

