



CHINMORE INDUSTRY CO.,LTD

Specification

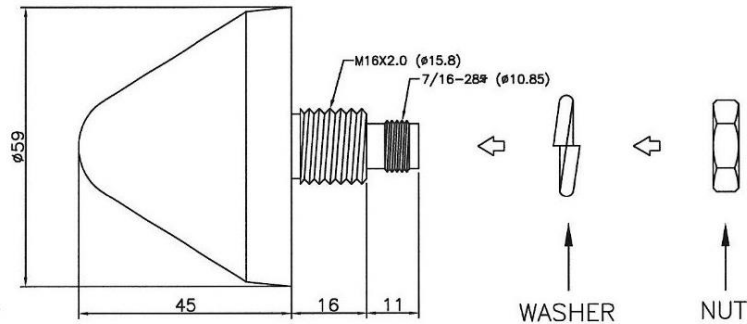
1. Screw Mount Antenna for GPS (R56 series)
 2. *Chinmore's* No: R56 Antenna with connector TNC F
 3. Frequency: 1575.42 MHz
 4. Gain: 40dBi
 5. Impedance: 50 Ω
 6. Connector: TNC F
 7. V.S.W.R.: 2.0:1
- ✧RoHS Compliant*
- ✧ISO 9001 & ISO 14001*
- ✧Waterproof IP67 Rated*



TNC F	Ni (鍍鎳)
Frequency	1575.42MHz
Impedance	50Ω
V.S.W.R	2.0:1
Lna Gain	40dB

ROHS

ISO 9001
ISO 14001



Material:		Treatment:		竣茂工業有限公司 Chinmore Industry CO .LTD			
Drawer	Design	Aprov	Tolerance	Unit: mm		TITLE	R56 (TNC F)
				Ver: A	Scale 2:1	Model NO	
NO	DESCRIPTION	MATERIAL / FINISH	QTY	File NO: QR0402			
Part NO				Drawing NO		502-R56-103	

◆GENERAL

Environmental Conditions

Operation Temperature	-40°C~+85°C
Storage Temperature	-40°C~105°C
Relative Humidity	40%~95%

Electrical Specifications

Input Voltage	Min: 1.8V Type: 3.0V Max: 5.5V
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◆ANTENNA

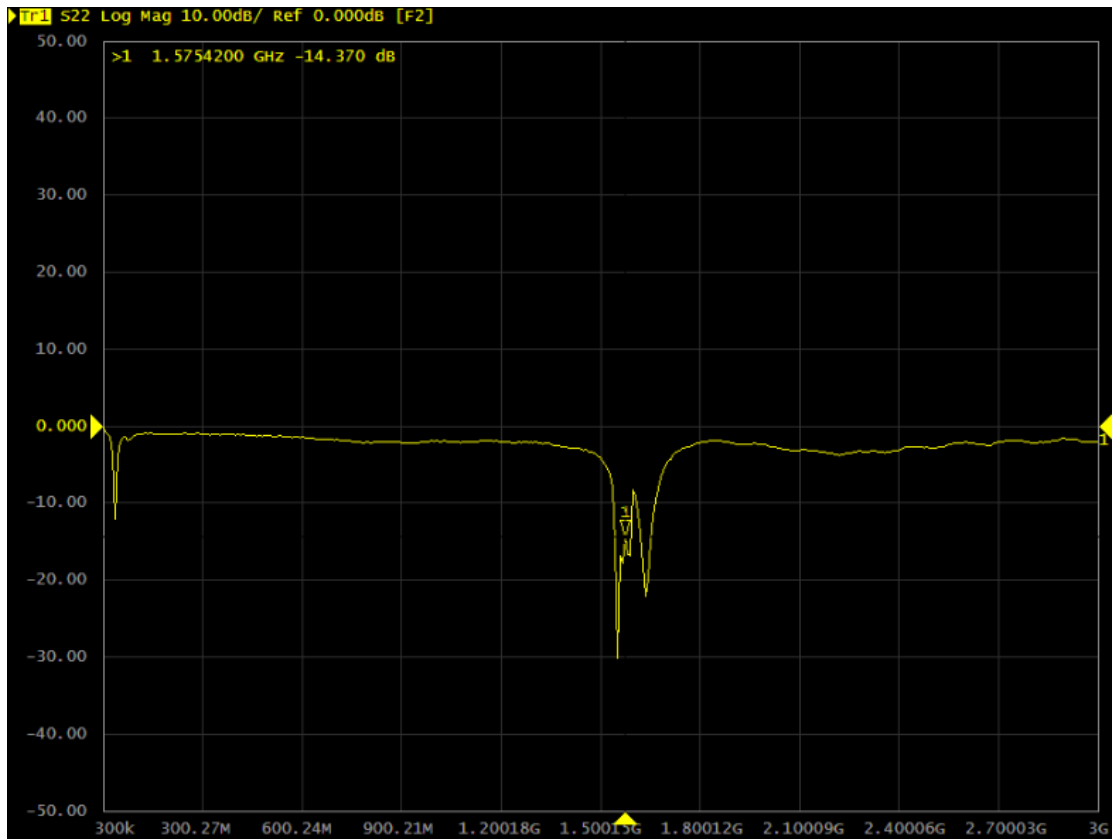
Antenna Dimension	25mm*25mm*4mm
Frequency Range	1575.42±4 MHz
Gain	1.5dBic Typ. @zenith
Polarization	RHCP
Axial ratio	Max 3.0dBi @ zenith

◆LNA

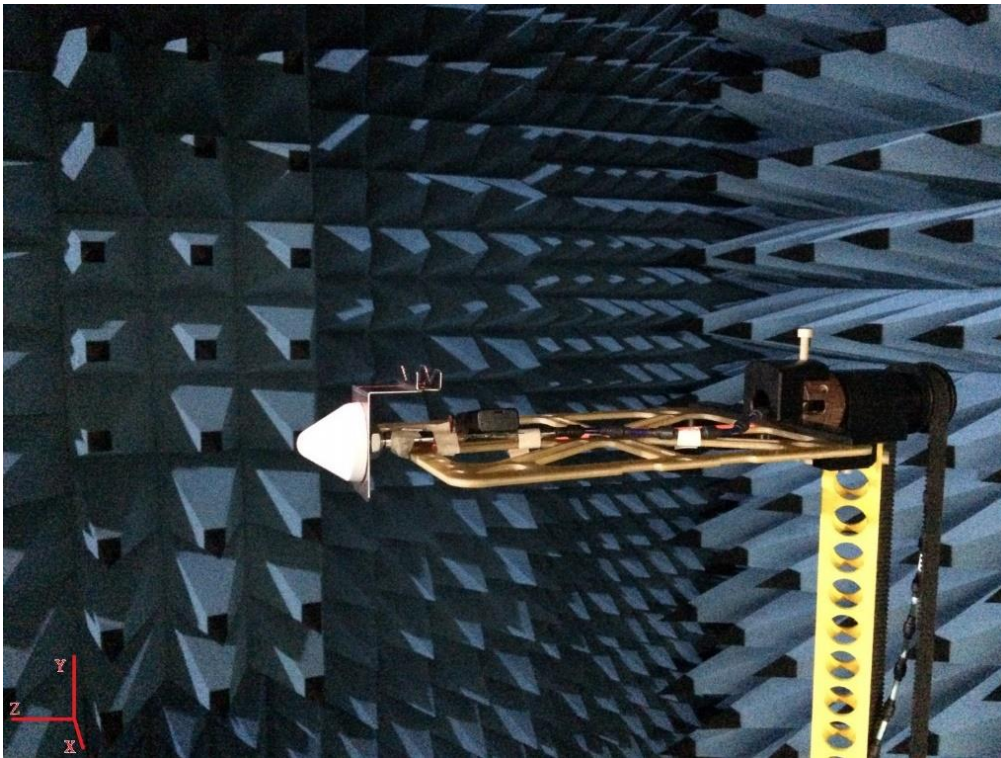
Frequency Range	1575.42±1.023 MHz		
Output Impedance	50Ω		
Outer Band Attenuation	F0=1575.42 MHz F0±30 MHz 5dB min F0±30 MHz 20dB min F0±30 MHz 25dB min		
Pout at 1Db Gain Compression point	-6 dBm Min. -2 dBm Typ.		
Output VSWR	2.0 Max		
LNA Gain, Power Consumption and Noise Figure			
Voltage	LNA Gain(Typ)	Power Consumption(mA) Typ	Noise Figure(Typ)
Min 1.8V	32 dBi	8.5 mA	1.5 dBi
Typ 3.0V	40 dBi	8.5 mA	1.5 dBi
Max 5.5v	40 dBi	8.5 mA	1.5 dBi

Frequency (MHz)	Return Loss (dB)	VSWR	Gain (dBi)
1575.42	-14.37	1.46	45.21

Test Report(Return Loss & VSWR)

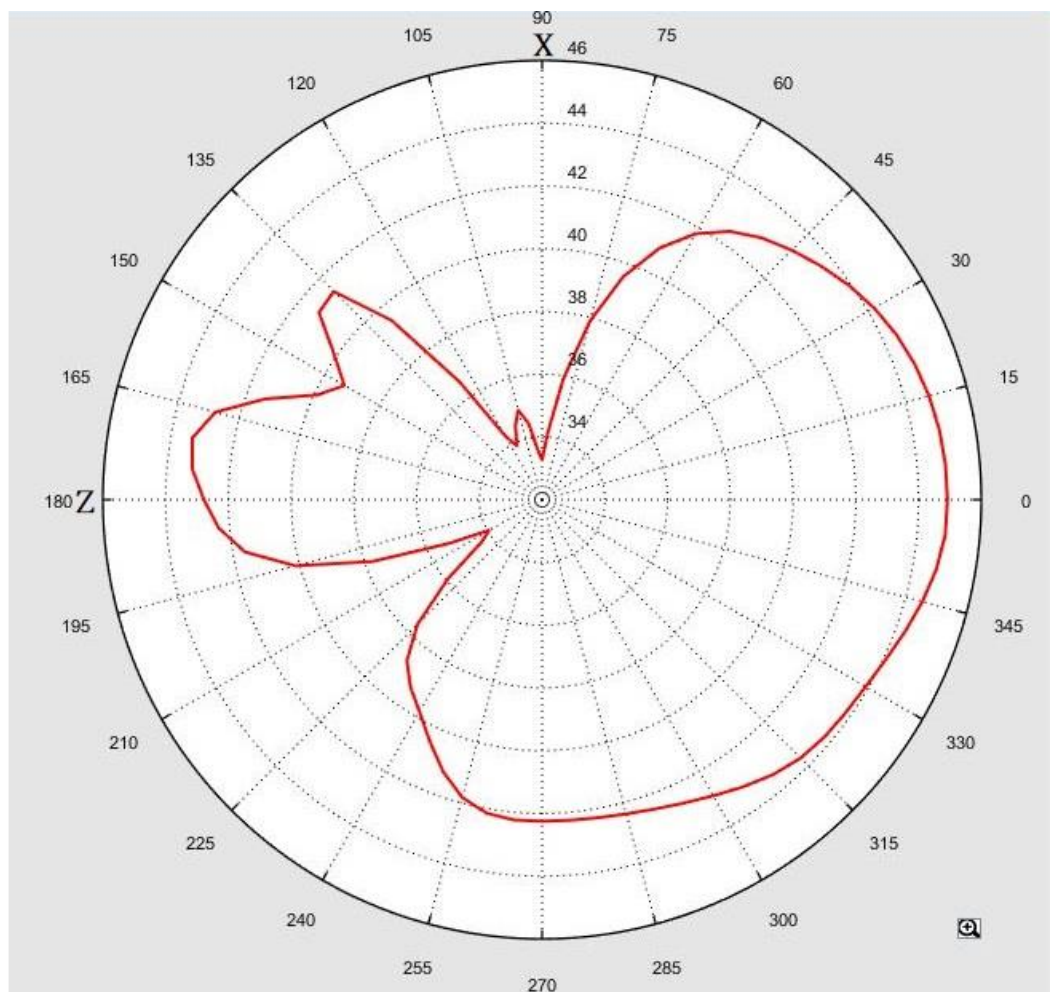


3D Test Photo

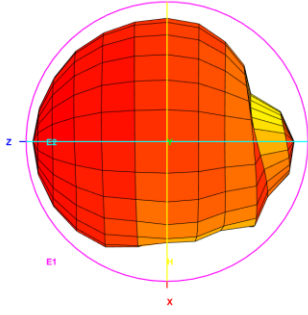


3D Test Data

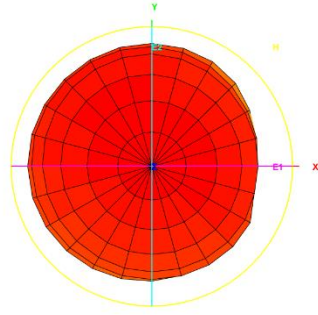
Freq. / Chan.	Color
1.57542GHz	Red



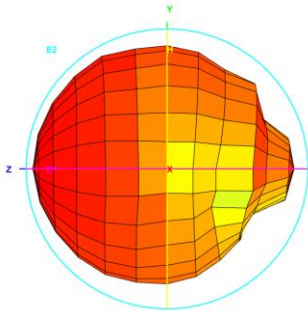
Total_3D_Top View_1.57542GHz



Total_3D_Front View_1.57542GHz



Total_3D_Left View_1.57542GHz



Total_3D_Side View 1_1.57542GHz

