



# 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: 30dBi
  5. Connector: TNC F
  6. V.S.W.R.: 2.0:1
- ✧ *RoHS Compliant*
- ✧ *ISO 9001 & ISO 14001*
- ✧ *Waterproof IP67 Rated*

TNC F	Ni (鍍鎳)	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>ROHS</b>            ISO 9001            ISO 14001         </div>
Frequency	1575.42MHz	
Impedance	50Ω	
V.S.W.R	2.0:1	
Lna Gain	30dB	

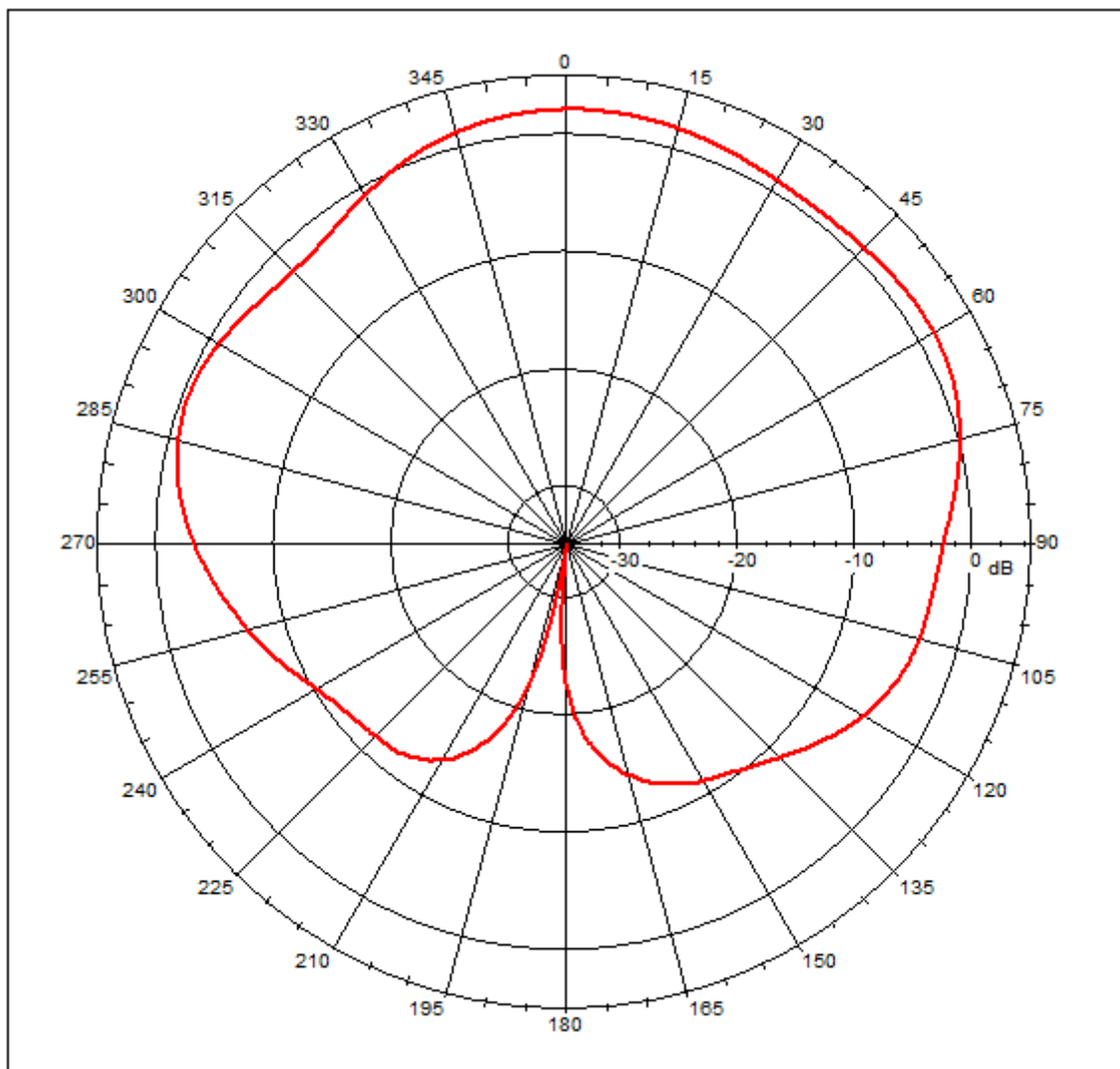
Material:			Treatment:			竣茂工業有限公司 Chinmore Industry CO .LTD		
Drawer	Design	Aprov	Tolerance	Unit:	Symbol	TITLE	R56 (TNC F)	
			X=±0.5 .X=±0.2 .XX=±0.1 .XXX=±0.05	mm	⊕	Model NO		
NOI	DESCRIPTION	MATERIAL / FINISH	Q'TY	Ver: A	Scale 2:1	File NO: QR0402	Drawing NO	502-R56-102



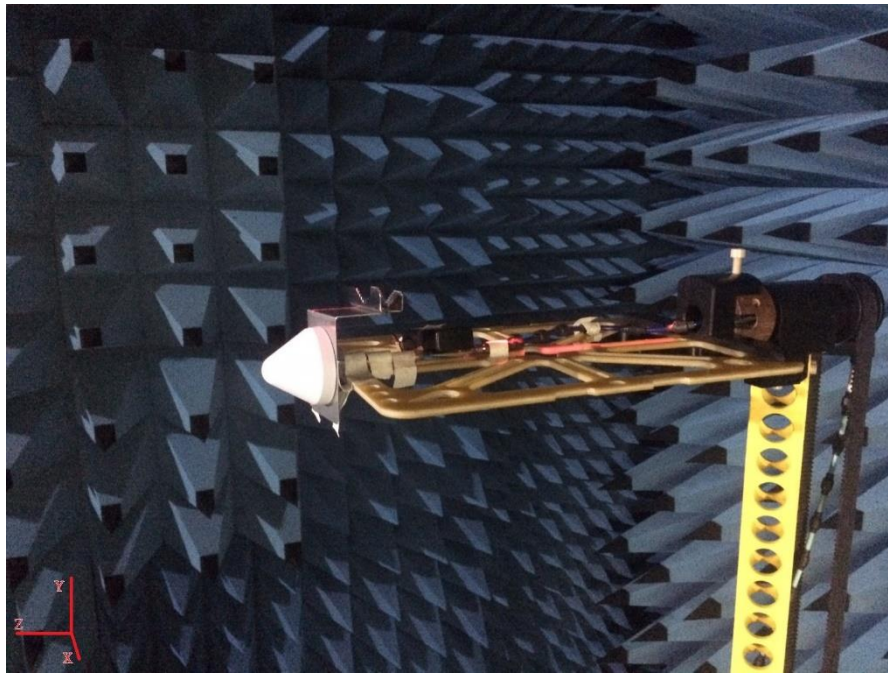
## LNA

Characteristics	Specification
Center Frequency	1575.42 $\pm$ 1.023 MHz
Gain	30~37dB (ps:3v / 32dB)
Noise Figure	1.5 dB typ (ps: 3v / 1.5dB)
Filer Out band attenuation	Dielectric filter 7dB min $f_o \pm 20$ MHz 20dB min $f_o \pm 50$ MHz 30dB min $f_o \pm 100$ MHz  ( $f_o=1575.42$ MHz )
Output V.S.W.R	2.0 max
Voltage	DC = 2.5~5.5V
Current	DC = 8~23mA (ps: 3v / 10mA)

### Radiation Pattern(without LNA)

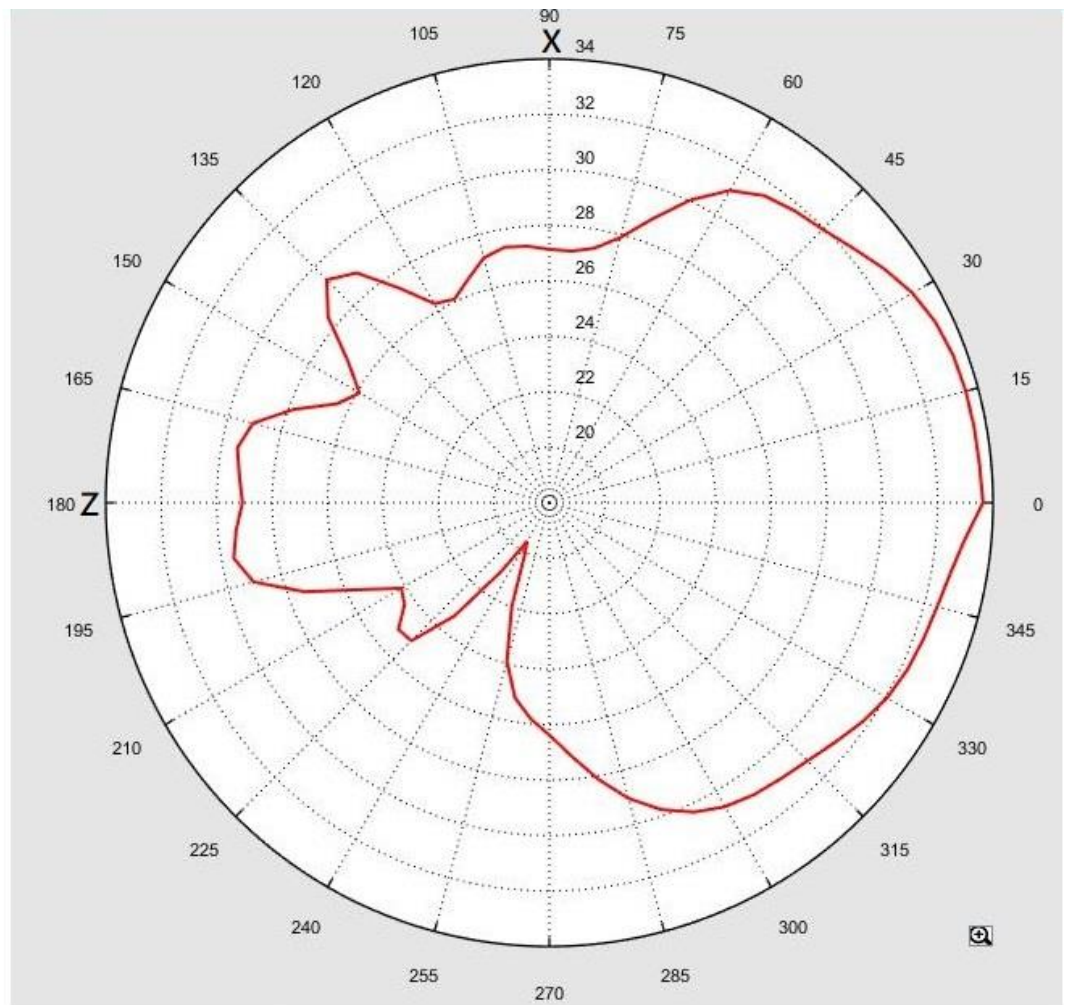


### 3D Test Photo

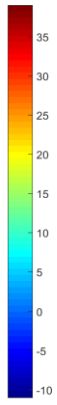
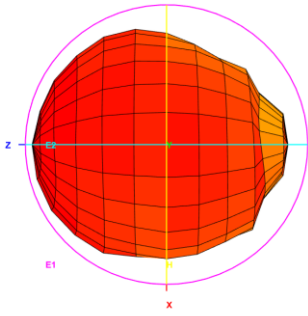


### 3D Test Data

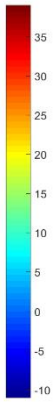
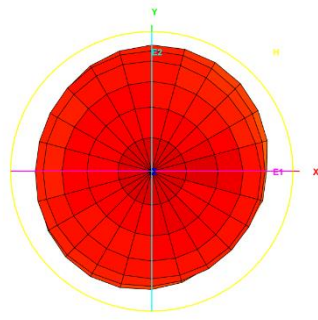
Freq. / Chan.	Color
1.57542GHz	Red



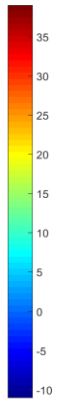
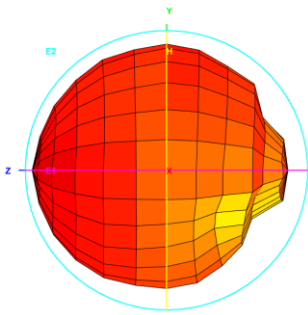
Total\_3D\_Top View\_1.57542GHz



Total\_3D\_Front View\_1.57542GHz



Total\_3D\_Left View\_1.57542GHz



Total\_3D\_Side View 1\_1.57542GHz

