



Four-Star Multi-Band Gps Survey Antenna 40dBi Antenna GPS GLONASS Beidou Galileo

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Leenz
- Certification: RoHs
- Model Number: LZANT-10690-A
- Minimum Order Quantity: 10
- Delivery Time: 15 days
- Payment Terms: T/T
- Supply Ability: 5K per day



Product Specification

- Frequency: 1160-1290MHz / 1525-1615MHz
- VSWR: <2.0
- LNA Gain: 40dBi
- Impedance: 50
- Highlight: gps survey antenna, gps gnss antenna, antenna gps glonass



More Images



Product Description

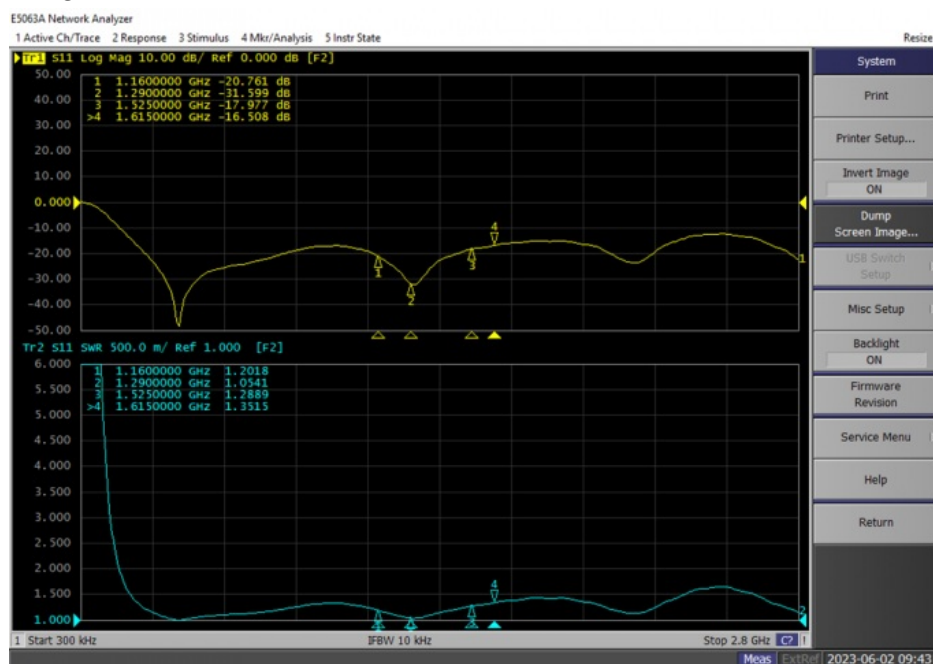
Satellite Positioning Antenna Four-Star Multi-Band Survey antenna 40dBi GPS GLONASS Beidou Galileo

1. Specification

A. Electrical Characteristics	
Frequency	1160-1290MHz, 1525-1615MHz
Supported Positioning signal bands	GPS: L1/L2 BDS: B1/B2/B3 GLONASS: G1/G2 Galileo: E1/E5b
Peak Gain	≥5.5dBi@Fc
Impedance	50Ohm
Polarization	RHCP
Axial Ratio	≤3 dB
Azimuth Coverage	360°
Phase-center accuracy	≤2.0mm
B. LNA and Filter Electrical Properties	
LNA Gain	40±2dBi(Typ.@25°C)
Group Delay variation	≤5ns
Noise Figure	≤2.0dB@25°C, Typ.(Pre-filtered)
Output VSWR	≤1.5 : 1Typ. 2.0 : 1 Max
Operation Voltage	3.3-12 V DC
Operation Current	≤45mA
C. Material & Mechanical Characteristics	
Connector Type	TNC connector
Dimension	Φ150x60mm
Radome material	ABS
Waterproof	IP67
Weight	0.42Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C

2. Antenna - S Parameter Test Data

2.1 VSWR

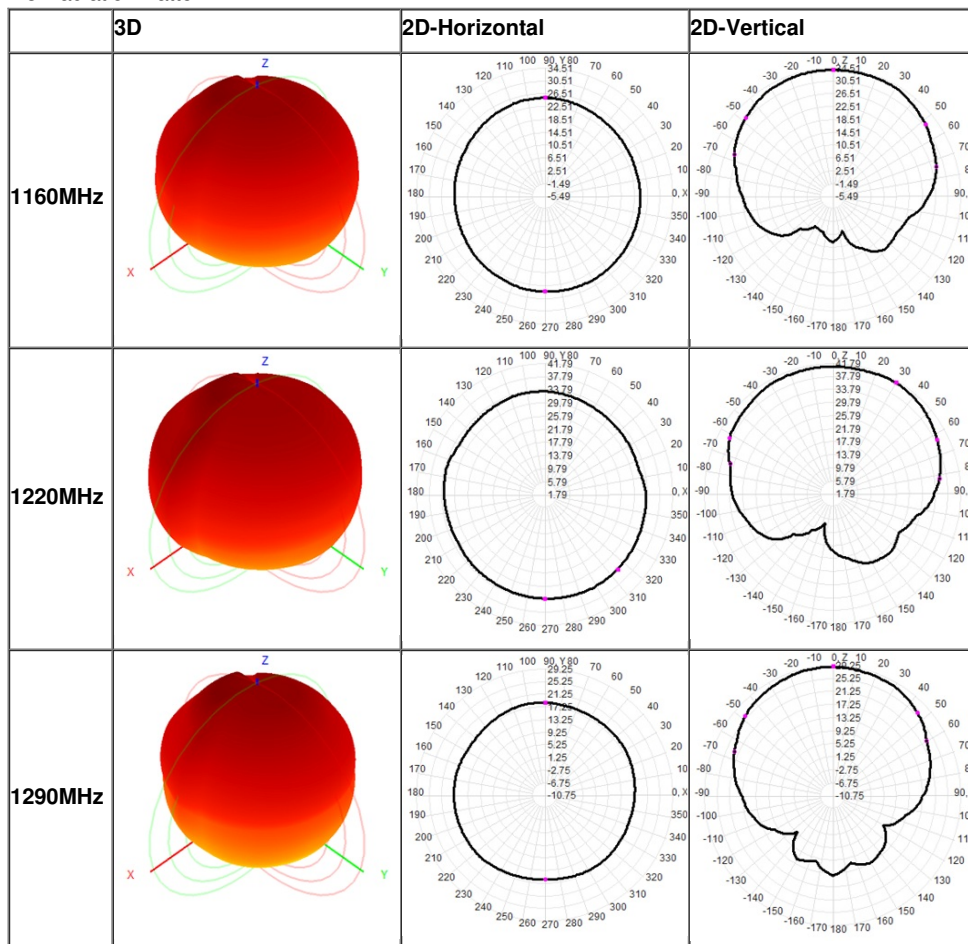


2.2 LNA Gain:

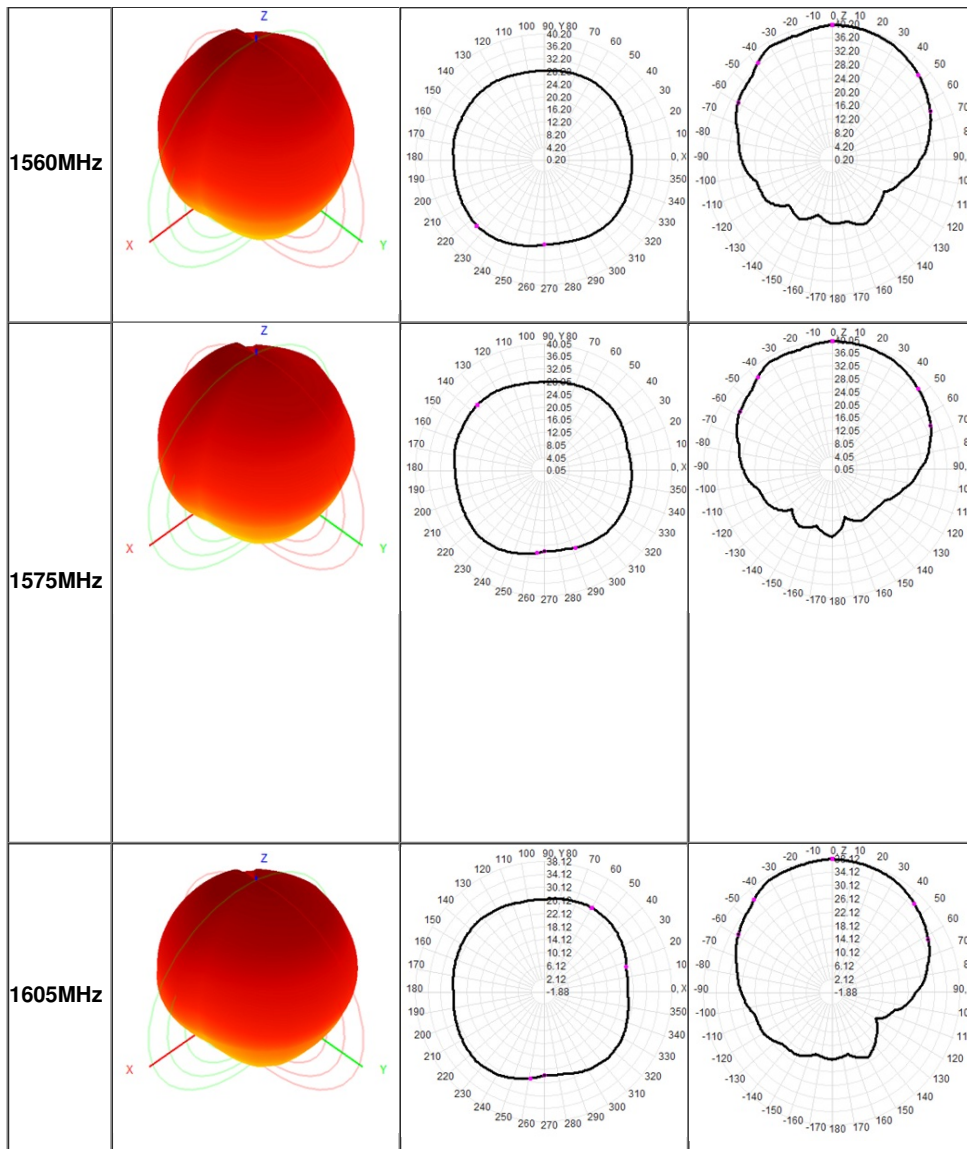
Frequency (MHz)	Gain (dBi)	Frequency (MHz)	Gain (dBi)
1160.0	34.7	1525.0	27.4
1165.0	36.4	1530.0	34.5
1170.0	37.9	1535.0	37.3
1175.0	39.2	1540.0	39.9
1180.0	40.1	1545.0	40.8
1185.0	40.6	1550.0	40.9
1190.0	41.0	1555.0	40.7

1195.0	41.0	1560.0	40.3
1200.0	41.5	1565.0	40.0
1205.0	41.9	1570.0	39.9
1210.0	42.0	1575.0	40.1
1215.0	42.0	1580.0	40.2
1220.0	41.8	1585.0	40.0
1225.0	41.4	1590.0	39.7
1230.0	40.8	1595.0	39.2
1235.0	40.7	1600.0	38.6
1240.0	40.7	1605.0	38.1
1245.0	40.3	1610.0	36.6
1250.0	39.9	1615.0	31.8
1255.0	38.9		
1260.0	38.4		
1265.0	37.7		
1270.0	36.3		
1275.0	34.5		
1280.0	32.6		
1285.0	30.7		
1290.0	29.3		

2.3 Radiation Pattern



	3D	2D-Horizontal	2D-Vertical



Dongguan Leenz Electronics Co., Ltd



19200261653



sale01@leenz.com



leenzantenna.com

2nd Floor, Building 1, Xinhe Industrial Park No. 162, Zhen'an East Road, Chang'an Town, Dongguan City, Guangdong Province