



Multiband Gnss Antenna 38dBi GPS GLONASS Beidou Galileo

Our Product Introduction

for more products please visit us on leenzantenna.com

Basic Information

- Place of Origin: China
- Brand Name: Leenz
- Certification: RoHs
- Model Number: LZANT-10618-A
- Minimum Order Quantity: 10
- Delivery Time: 15 days
- Payment Terms: T/T
- Supply Ability: 5K per day



Product Specification

- Frequency: 1164-1286MHz; 1525-1615MHz
- VSWR: <1.5
- LNA Gain: 38dB(Typ.@25°C)
- Impedance: 50
- Highlight: multiband gnss, antenna gps gnss, gnss antenna 38dB



More Images



Product Description

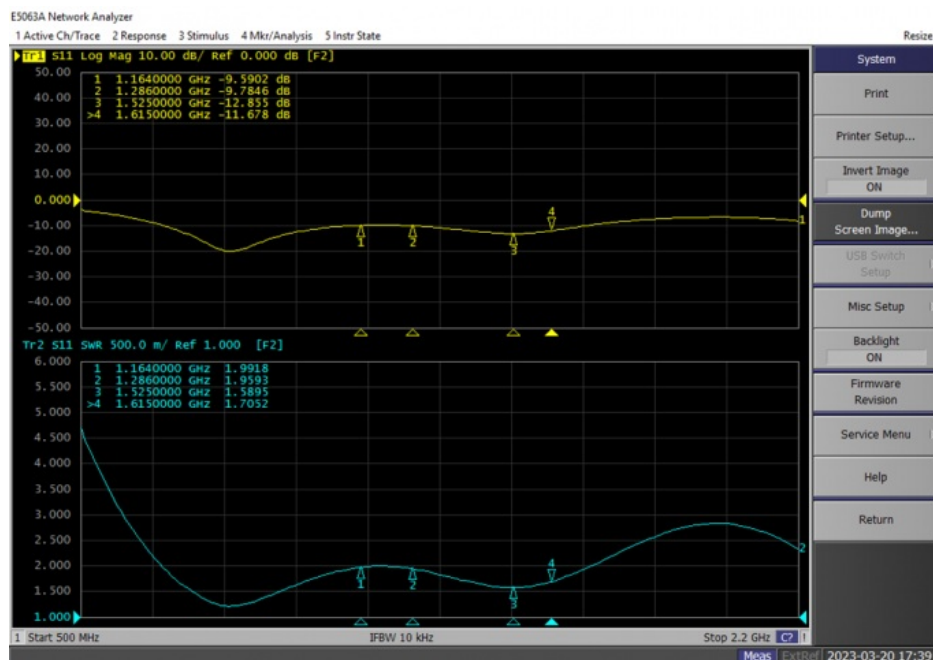
Satellite Positioning Antenna Multi-Band GNSS antenna 38dBi GPS GLONASS Beidou Galileo

1. Specification

A. Electrical Characteristics		
Frequency	1164-1286MHz, 1525-1615MHz	
Supported Positioning signal bands	GPS: L1/L2/L5 BDS: B1/B2/B3 GLONASS: G1/G2/G3 Galileo: E1/E5a/E5b L-Band	
Peak Gain	≥4dBi@FC,with 100mm ground plane	
Impedance	50Ohm	
Polarization	RHCP	
Axial Ratio	≤1.5 dB	
Azimuth Coverage	360°	
B. LNA and Filter Electrical Properties		
LNA Gain	38±2dBi(Typ.@25°C)	
Noise Figure	≤2.0dB@25°C,Typ.(Pre-filtered)	
Output VSWR	≤1.5 : 1Typ. 2.0 : 1 Max	
Operation Voltage	3-16 V DC	
Operation Current	≤45mA	
ESD circuit protection	15KV air discharge	
Out-of-Band Rejection	L5/E5/L2/G2/B2	1050MHz: 55dB 1125MHz: 30dB 1350MHz: 45dB
	L1/E1/B1/G1	1450MHz: 40dB 1690MHz: 40dB 1730MHz: 45dB
C. Material & Mechanical Characteristics		
Connector Type	TNC connector	
Dimension	Φ90x27mm	
Radome material	PC+ABS	
Base	Aluminum alloy 6061-T6	
Attachment Method	Four screw holes	
Waterproof	IP67	
Weight	0.15Kg	
C. Environmental		
Operation Temperature	- 40 °C ~ + 85 °C	
Storage Temperature	- 40 °C ~ + 85 °C	
Humidity	≤95%	
Vibration	3 axis sweep = 15 min, 10 to 200Hz sweep: 3G	
Shock	Vertical axis:50G, other axes:30G	

2. Antenna - S Parameter Test Data

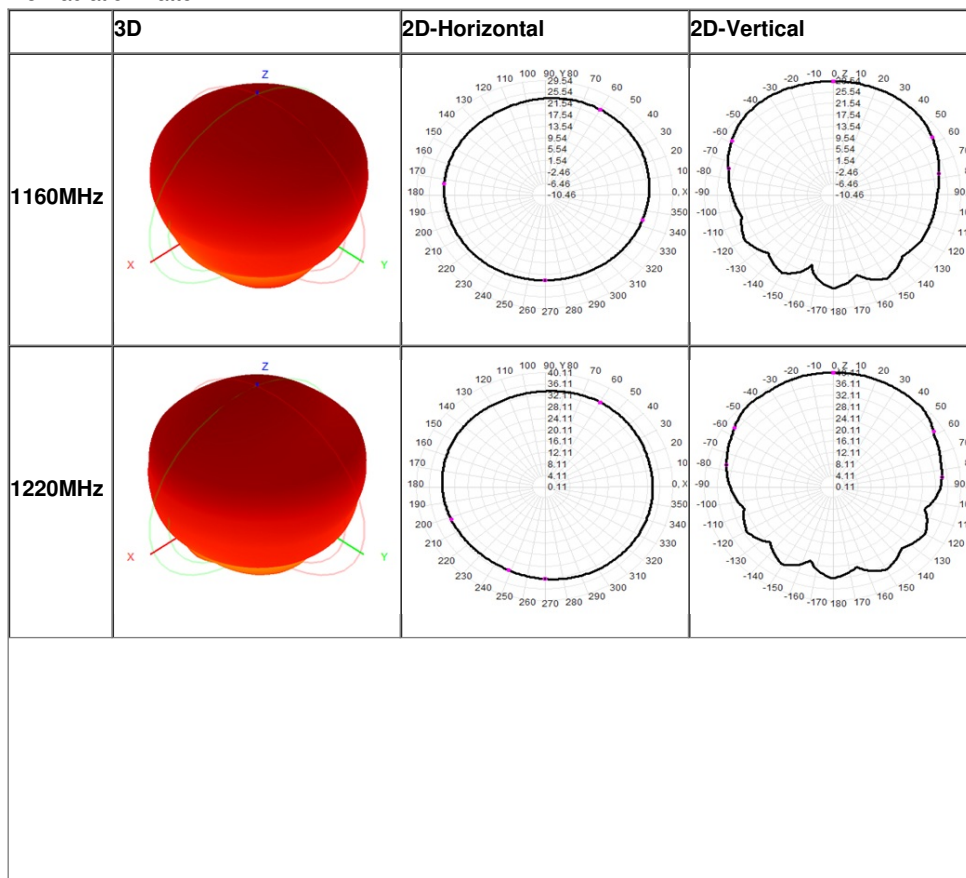
2.1 VSWR

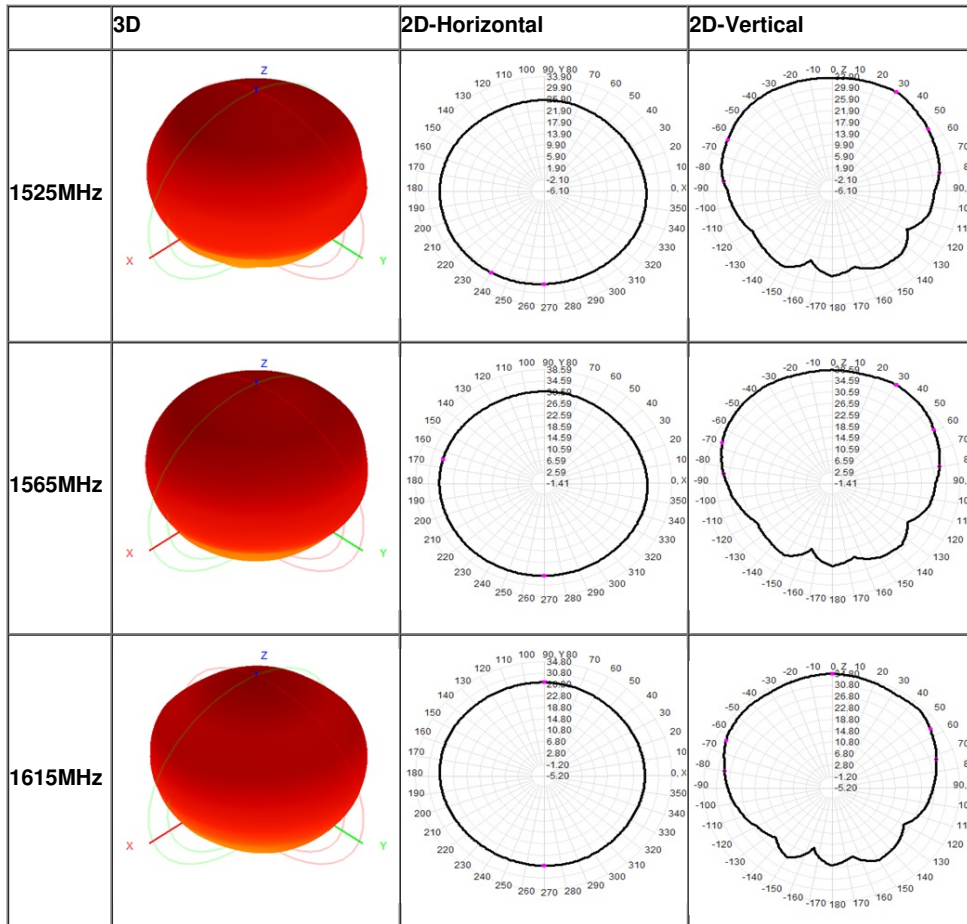
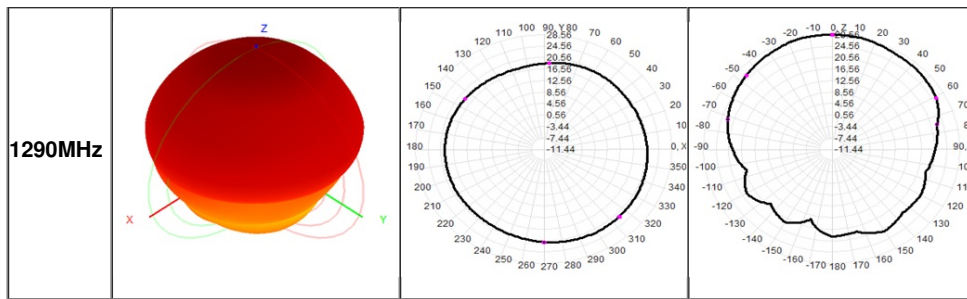


2.2 LNA Gain:

Frequency (MHz)	Gain (dBi)	Frequency (MHz)	Gain (dBi)
1160.0	29.60	1525.0	34.00
1165.0	31.85	1530.0	34.83
1170.0	33.50	1535.0	35.80
1175.0	34.67	1540.0	36.93
1180.0	35.67	1545.0	37.57
1185.0	36.57	1550.0	37.82
1190.0	37.53	1555.0	38.35
1195.0	38.16	1560.0	38.73
1200.0	38.52	1565.0	38.65
1205.0	38.90	1570.0	38.07
1210.0	39.35	1575.0	37.78
1215.0	39.81	1580.0	37.65
1220.0	40.11	1585.0	37.40
1225.0	40.23	1590.0	36.95
1230.0	40.09	1595.0	36.66
1235.0	39.62	1600.0	36.43
1240.0	39.00	1605.0	35.95
1245.0	38.18	1610.0	35.33
1250.0	37.34	1615.0	34.80
1255.0	36.31		
1260.0	35.35		
1265.0	34.22		
1270.0	33.20		
1275.0	32.14		
1280.0	31.14		
1285.0	30.01		
1290.0	28.58		

2.3 Radiation Pattern





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