



N Male Satellite Positioning Antenna Multi-Band GNSS Antenna 38dBi 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-11091-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: gps/galileo/glonass antenna,
gps glonass antenna,
Multi-Band GNSS antenna



More Images



Product Description

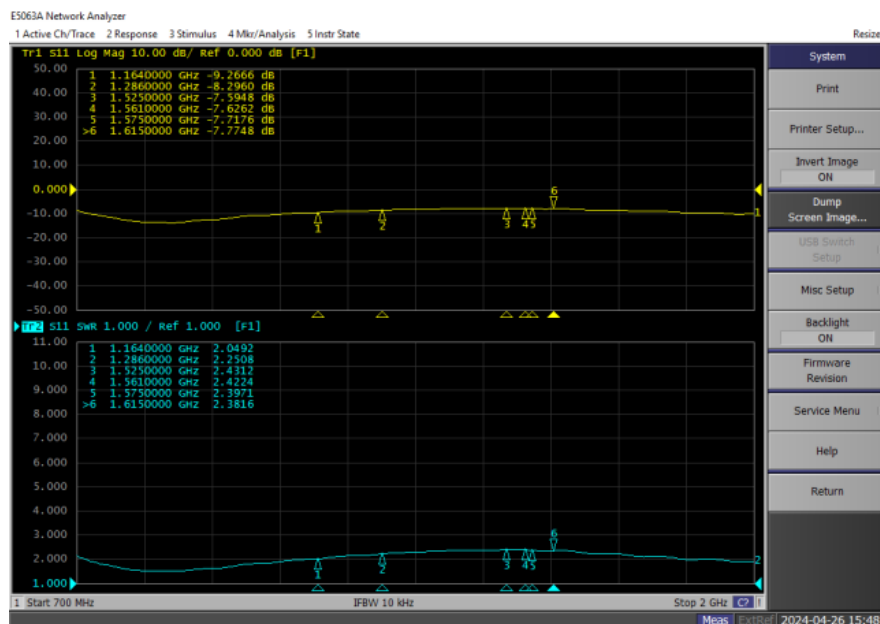
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1. Specification

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 Recommended 5.0V	
Operation Current	≤45mA	
ESD circuit protection	IEC6100-4-2 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	N-J (customizable)	
Dimension	φ67.5mm * 65mm	
Radome material	PC+ABS	
Base	Aluminum alloy 6061-T6	
Attachment Method	Four screw holes	
Waterproof	IP67	
Weight	0.19Kg	
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

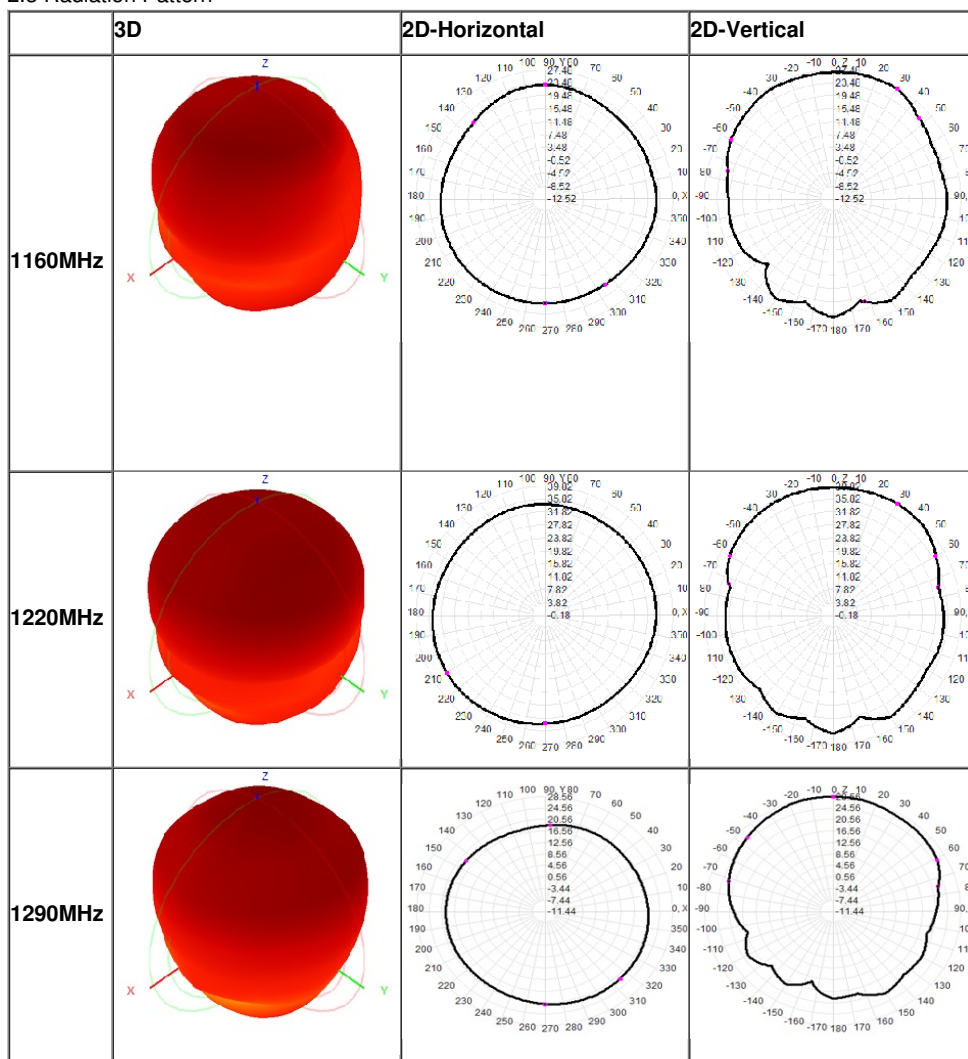


2.2 LNA Gain:

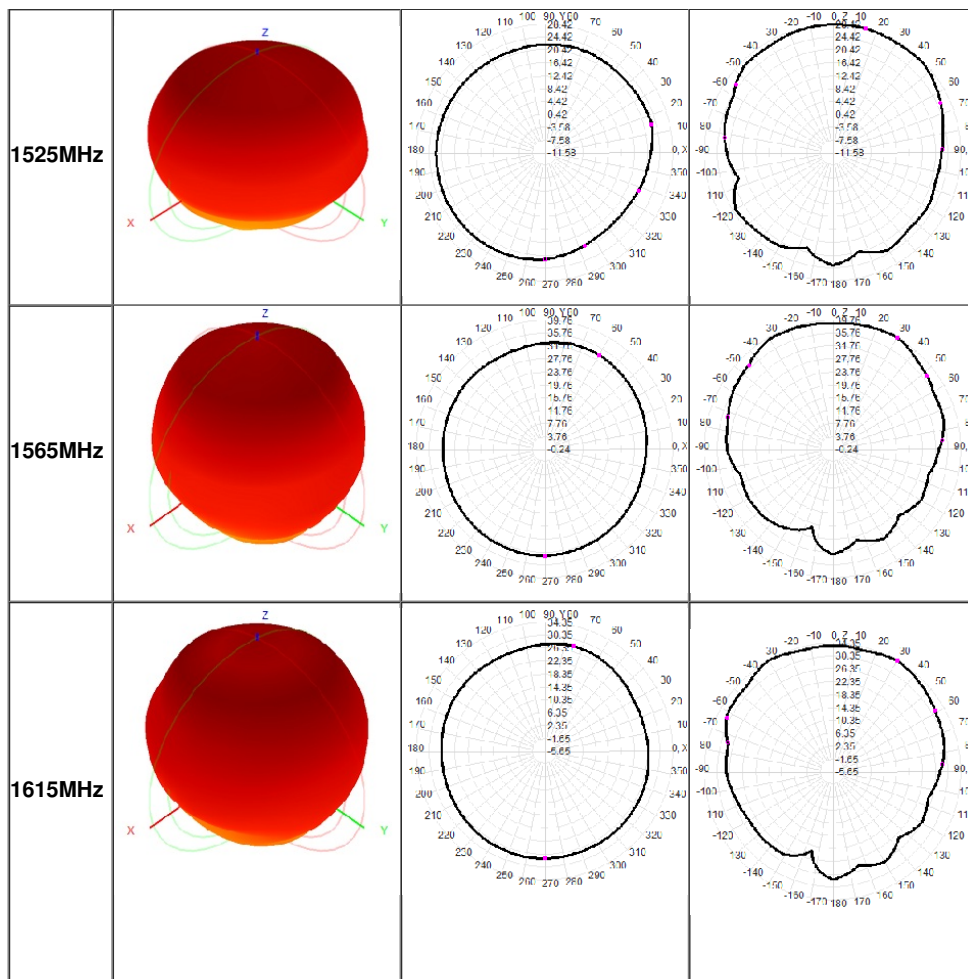
Frequency (MHz)	Gain(dBi)	Frequency (MHz)	Gain(dBi)
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1160	27.9	1525	36.5
1165	30.9	1530	37.3
1170	32.7	1535	38.3
1175	34.0	1540	39.1
1180	35.1	1545	39.3
1185	36.2	1550	39.6
1190	37.0	1555	39.6
1195	37.7	1560	39.7
1200	38.5	1565	39.8
1205	39.2	1570	39.9
1210	39.6	1575	39.8
1215	40.0	1580	39.3
1220	39.9	1585	38.7
1225	39.3	1590	38.0
1230	38.5	1595	37.3
1235	37.5	1600	36.5
1240	36.5	1605	35.8
1245	35.5	1610	35.1
1250	34.7	1615	34.4
1255	34.0		
1260	33.2		
1265	32.5		
1270	31.8		
1275	31.1		
1280	30.4		
1285	29.7		
1290	28.5		

2.3 Radiation Pattern



	3D	2D-Horizontal	2D-Vertical



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