



Multi-band GNSS Antenna with 35dBi LNA Gain and IP67 Waterproof for UAV and Portable Devices

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Leenz
- Certification: RoHs
- Model Number: LZANT-12049-A
- Minimum Order Quantity: 10
- Delivery Time: 15 days
- Payment Terms: T/T
- Supply Ability: 500 per day



Product Specification

- Frequency: 1197-1278MHz / 1559-1606MHz
- VSWR: <2.0
- LNA Gain: 35dBi
- Impedance: 50
- Highlight: Multi-band GNSS Antenna,
35dBi LNA Gain Antenna,
IP67 Waterproof Satellite Antenna



More Images



Product Description

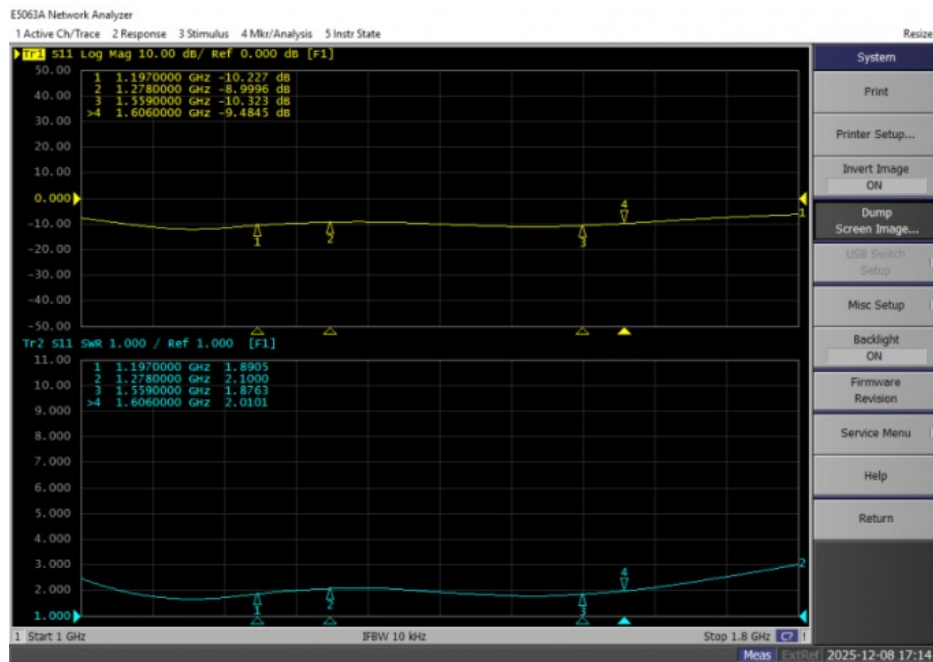
It is suitable for occasions where there are control requirements for volume and weight, such as small drones, micro RTKS, sub-meter handheld devices/tablets and other portable devices

1. Specification

A. Electrical Characteristics	
Frequency	1197-1278MHz; 1559-1606MHz
Supported Positioning signal bands	GPS: L1/L2 BDS: B1/B2/B3 GLONASS: G1/G2 Galileo: E1/E5b
Peak Gain	≥2dBi
Impedance	50Ohm
Polarization	RHCP
Axial Ratio	≤1.5 dB
Azimuth Coverage	360°
B. LNA and Filter Electrical Properties	
LNA Gain	35dB(Typ.@25)
Noise Figure	≤1.5dB@25 ,Typ.(Pre-filtered)
Output VSWR	≤2.0 : 1Typ. 2.5 : 1 Max
Operation Voltage	3-16 V DC
Operation Current	≤45mA
C. Material & Mechanical Characteristics	
Connector Type	SMA -J
Dimension	Φ28x60mm
Radome material	PC+ABS
Waterproof grade	IP67
Weight	0.015Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C
Humidity	≤95%

2. Antenna - S Parameter Test Data

2.1 VSWR

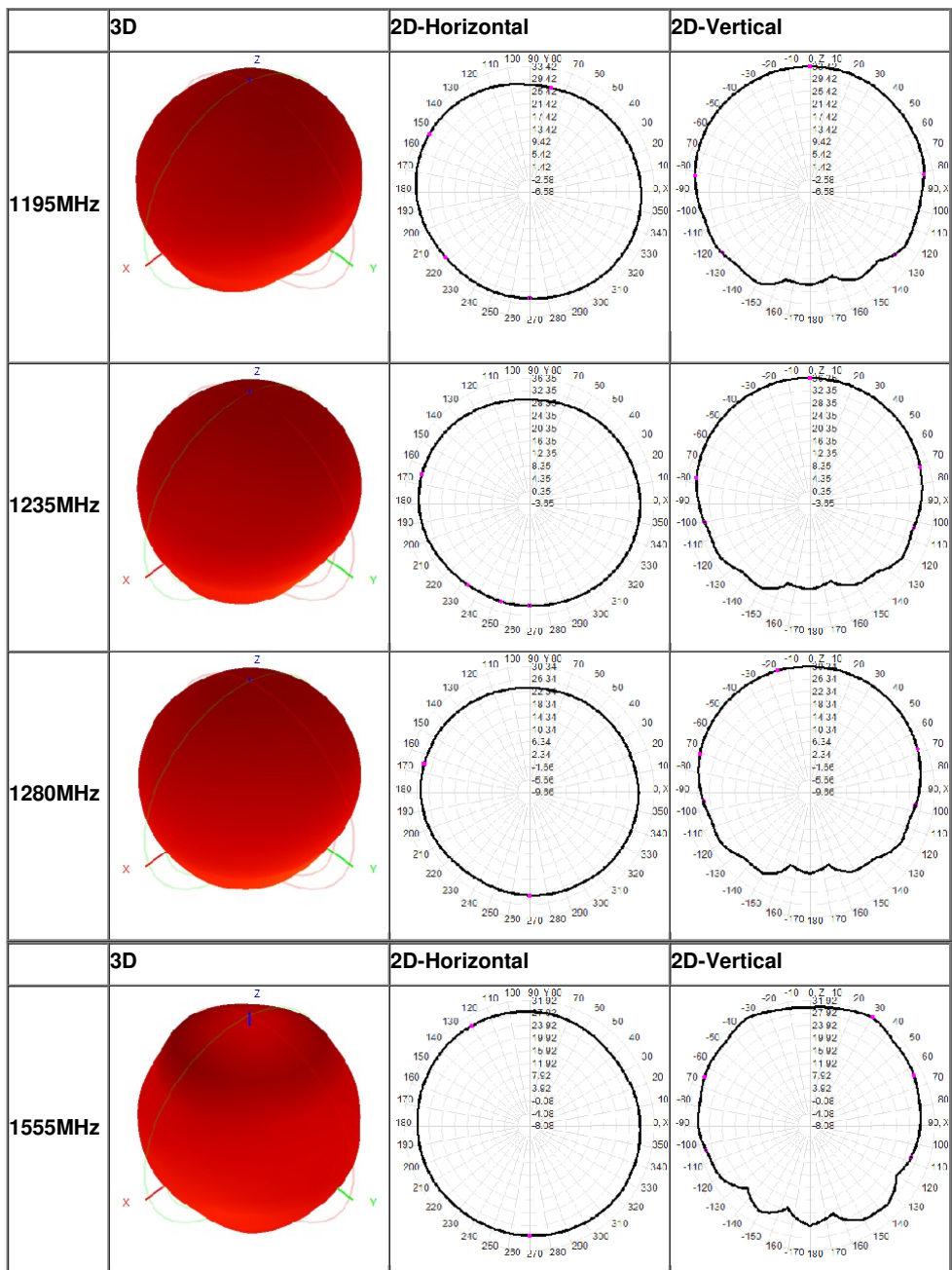


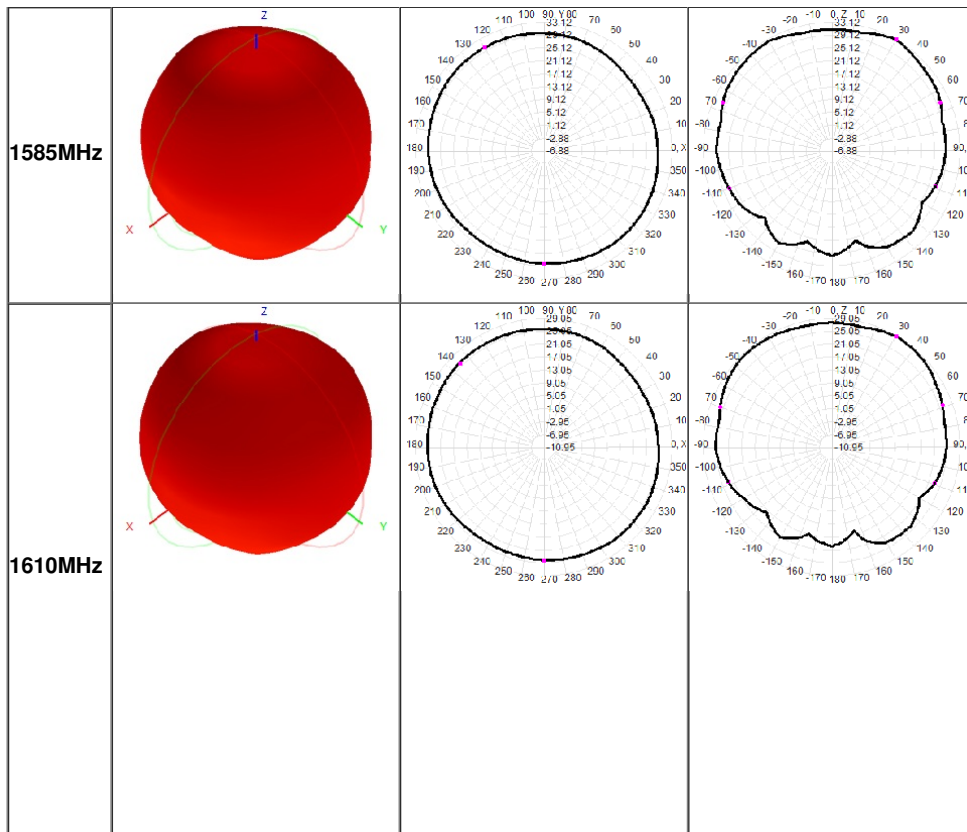
2.2 LNA Gain:

Frequency(MHz)	Gain(dBi)	Frequency(MHz)	Gain(dBi)
1195	33.4	1555	32.1
1200	33.4	1560	31.9
1205	33.8	1565	31.7
1210	34.5	1570	31.8
1215	35.3	1575	31.9
1220	35.8	1580	32.6
1225	36.3	1585	33.4

1230	36.5	1590	33.0
1235	36.4	1595	31.5
1240	35.9	1600	30.8
1245	35.1	1605	29.6
1250	34.1	1610	29.3
1255	33.5		
1260	33.2		
1265	33.4		
1270	33.7		
1275	33.0		
1280	30.3		

2.3 Radiation Pattern





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