



1197-1278M and 1559-1606M for Multi-band GNSS Antenna with 30dBi LNA Gain and IP67 Waterproof for UAV and Portable Devices

Basic Information

- Place of Origin: China
- Brand Name: Leenz
- Certification: RoHs
- Model Number: LZANT-12050-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: 30dBi
- Impedance: 50



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. 2.2 : 1 Max
Operation Voltage	3-16 V DC
Operation Current	≤45mA
C. Material & Mechanical Characteristics	
Connector Type	SMA -J
Dimension	Φ44x41mm
Radome material	PC+ABS
Waterproof grade	IP67
Weight	0.025Kg
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

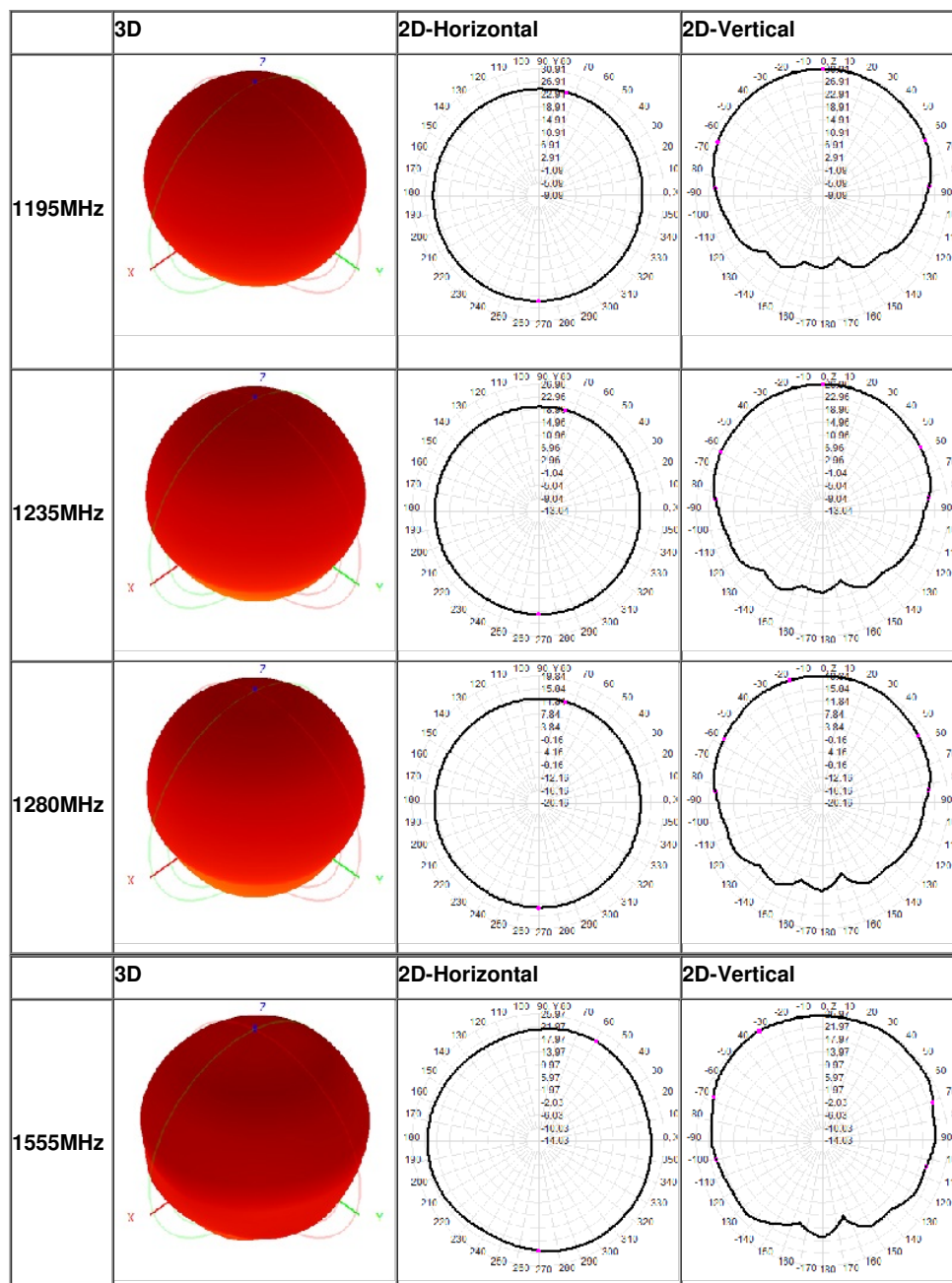


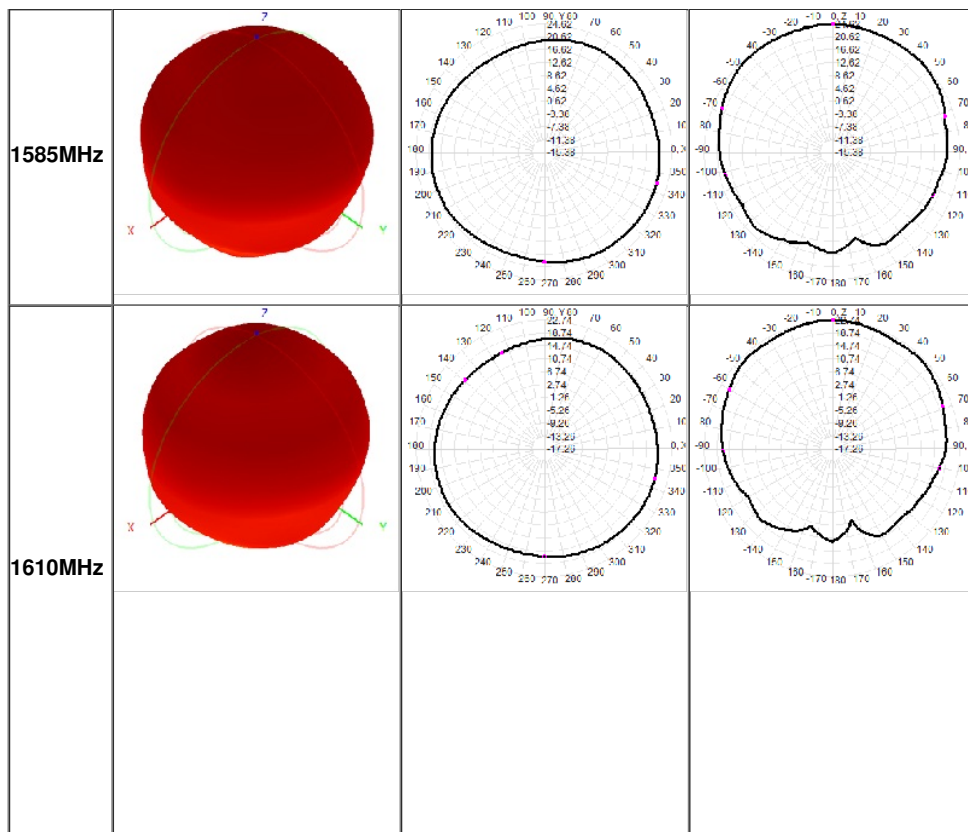
2.2 LNA Gain:

Frequency(MHz)	Gain(dBi)	Frequency(MHz)	Gain(dBi)
1195	30.9	1555	26.1
1200	30.2	1560	26.2
1205	29.3	1565	26.5
1210	28.4	1570	26.7
1215	27.9	1575	25.8
1220	27.4	1580	25.6
1225	27.3	1585	24.6

1230	27.2	1590	24.0
1235	27.0	1595	23.6
1240	26.3	1600	25.0
1245	25.5	1605	24.8
1250	24.4	1610	22.7
1255	24.0		
1260	24.0		
1265	24.7		
1270	25.2		
1275	23.4		
1280	20.2		

2.3 Radiation Pattern





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