TX4G-BLG-55 Antenna Specifications

4G/LTE FRP Antenna

N-J interface (N male)



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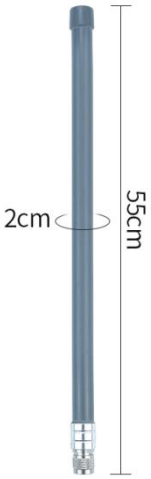
Chapter 1 Product Introduction

TX4G-BLG-55 is a fiberglass antenna for 4G/LTE frequency band, the antenna size is about 550mm, N-J interface (N male). The antenna shell is made of glass fiber material and contains multiple sets of antenna vibrators, which have the advantages of high gain and long communication distance. The antenna is waterproof, sun-proof, windproof, and highly airtight, and can be widely used in places with harsh environments such as the wild. Due to the high stability and reliability of the fiberglass antenna, it can also be used in places with high requirements such as wireless terminal equipment, base stations, gateways, wireless modules, APs, routers, and wireless data transmission stations.

Chapter 2 Specifications

Electrical parameters	
Frequency Range	4G/LTE
	1700-2700MHz
Antenna gain	8dBi
VSWR	≤2.0
Polarization direction	Vertical polarization
Radiation direction	Omnidirectional
Horizontal Lobe Width	360°
Input resistance	50Ω
Power Capacity	50W
Other parameters	
Antenna size	550mm
Net weight	190g（±5g）
Antenna diameter	Φ20mm
Antenna material	FRP
Interface	N-J (N male)
Operating temperature	-40℃～+85℃
Storage temperature	-40℃～+85℃



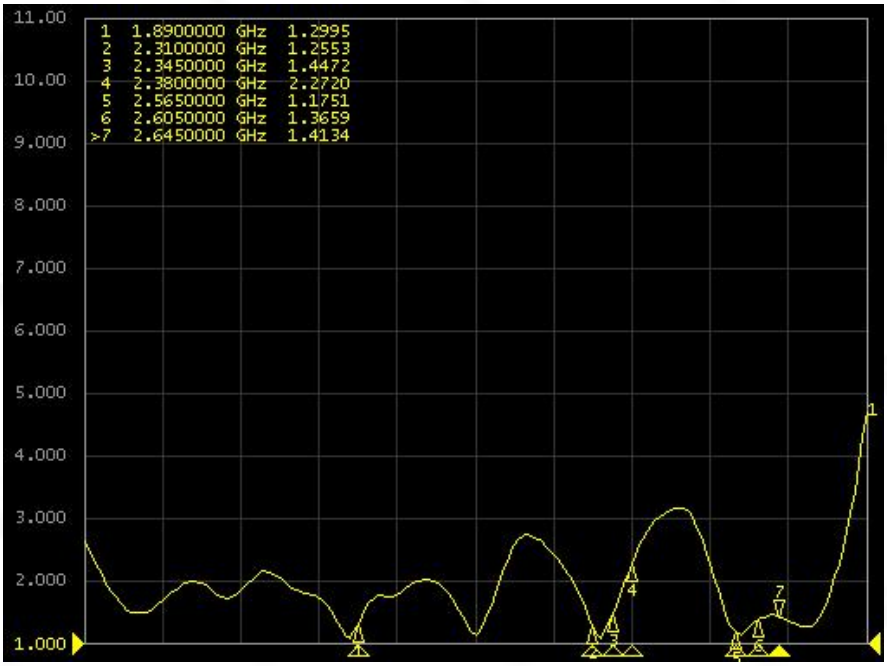


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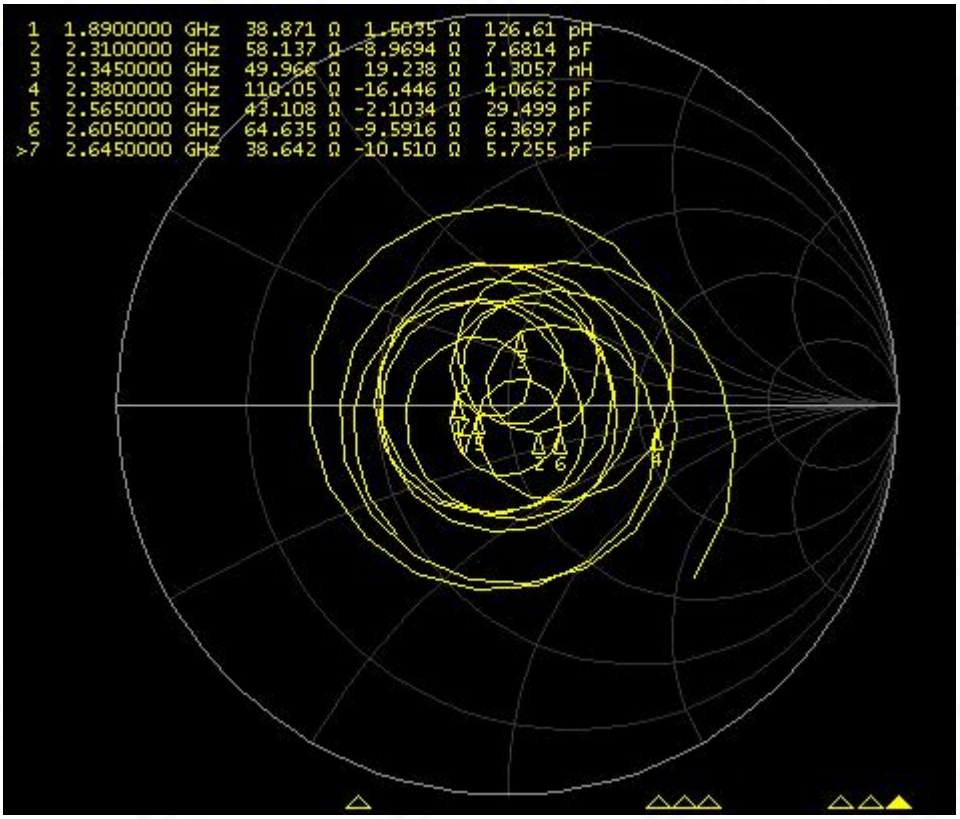
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Chapter 3 Antenna Characteristics

Voltage Standing Wave Ratio (VSWR)



Smith chart



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Chapter Four Frequently Asked Questions

- The frequency of the antenna must match the frequency of the wireless device, otherwise the communication effect will be poor;
- The lower the communication frequency and the longer the wavelength, the better the diffraction performance;
- When there is a straight-line communication obstacle, the communication distance will be attenuated accordingly;
- Please pay attention to the radiation direction of the antenna, the incorrect installation direction of the antenna will lead to short transmission distance
- The ground absorbs radio waves, and the test effect is poor when it is close to the ground. It is recommended to increase the height;
- Seawater has a strong ability to absorb radio waves, so the seaside test effect is not good;
- If there is a metal object near the antenna or it is placed in a metal case, the signal attenuation will be very serious;
- Poor impedance matching between the antenna and the communication equipment will lead to poor communication effect.

ABOUT US

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