TX4G-BLG-75 Antenna User Manual

4G Fiberglass Antenna

N-K Interface (N Female)

Chengdu Ebyte Electronic Technology Co.,Ltd.

1 Introduction

TX4G-BLG-75 is a 4G band fiberglass antenna with antenna size about 750mm and N-K interface (N female connector). The antenna shell is made of glass fiber material and contains multiple sets of antenna oscillators, which has the advantages of high gain and long communication distance. The antenna is water-proof, sun-proof, wind-proof and sealed, so it can be widely used in the field and other places with harsh environment. Because of the high stability and reliability of FRP antenna, it can also be used in wireless terminal equipment, base station, gateway, wireless module, AP, router, wireless data transmission radio and other places with high requirements.

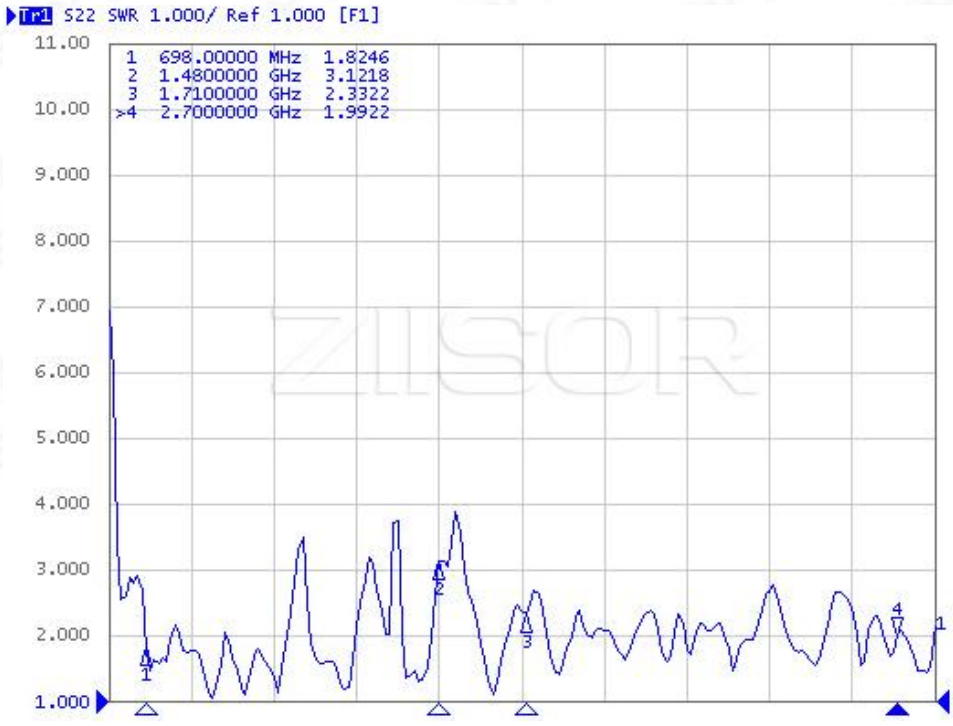
2 Specification and parameter

Electrical parameters	
Frequency	4G
	698-960MHz/1710-2700MHz
Gain	12dBi
VSWR	≤2.0
Polarization direction	Vertical polarization
Radiation direction	Omni-directional
Horizontal flap width	360°
Vertical flap width	45°(±3°)
Input impedance	50Ω
Power capacity	100W
Hardware Parameters	
Size	750mm
Color	Grey
Net weight (including clip)	1170±10g
Overall weight (including packaging and clip)	1310±10g
Diameter	Φ60mm
Material	Fiberglass
Interface	N-K（N Female）
Operating temperature	-40℃～+85℃
Working Humidity	5%～95%
Storage Temperature	-40℃～+85℃

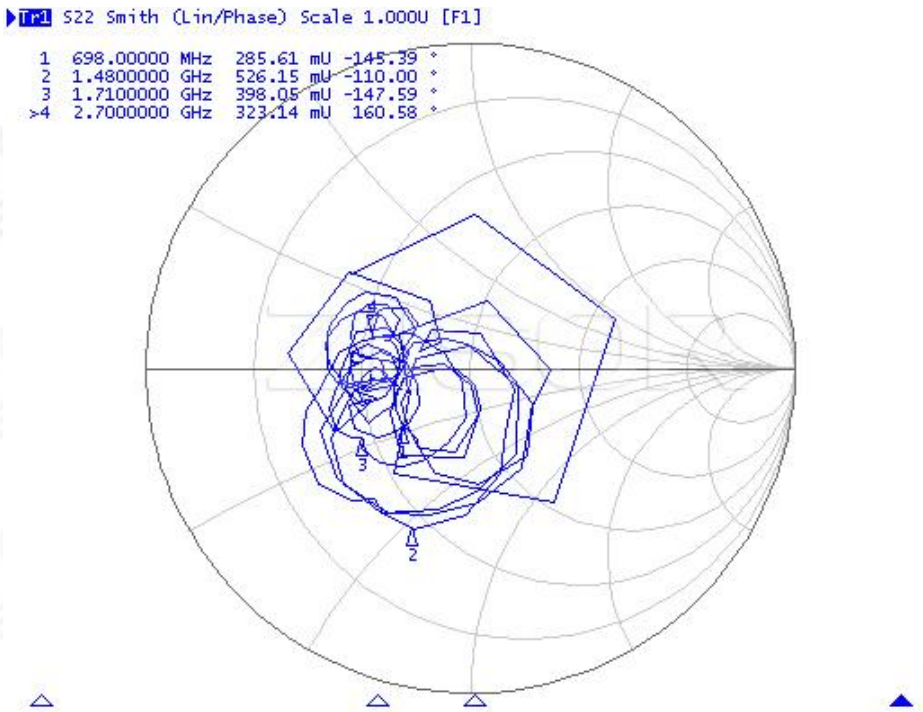
3 Appearance and size

4 Test Parameters

Voltage standing wave ratio（VSWR）



Smith Round



4 FAQ

- The antenna frequency 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 antenna radiation direction, the incorrect installation direction of the antenna leads to ashort transmission distance;
- The ground absorbs radio waves, and the test result near the ground is poor. It is recommended to increase the height;
- Sea water has a strong ability to absorb radio waves, so the seaside test results are not good;
- lf there is a metal object near the antenna or placed in a metal shell, the signal attenuation will be very serious;
- The poor impedance matching between the antenna and the communication device will lead to poor communication effects.

About us

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