TX433-BLG-120 Product Data Sheet

433MHz Fiberglass Antenna

N-J Interface

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Chengdu Ebyte Electronic Technology Co.,Ltd.

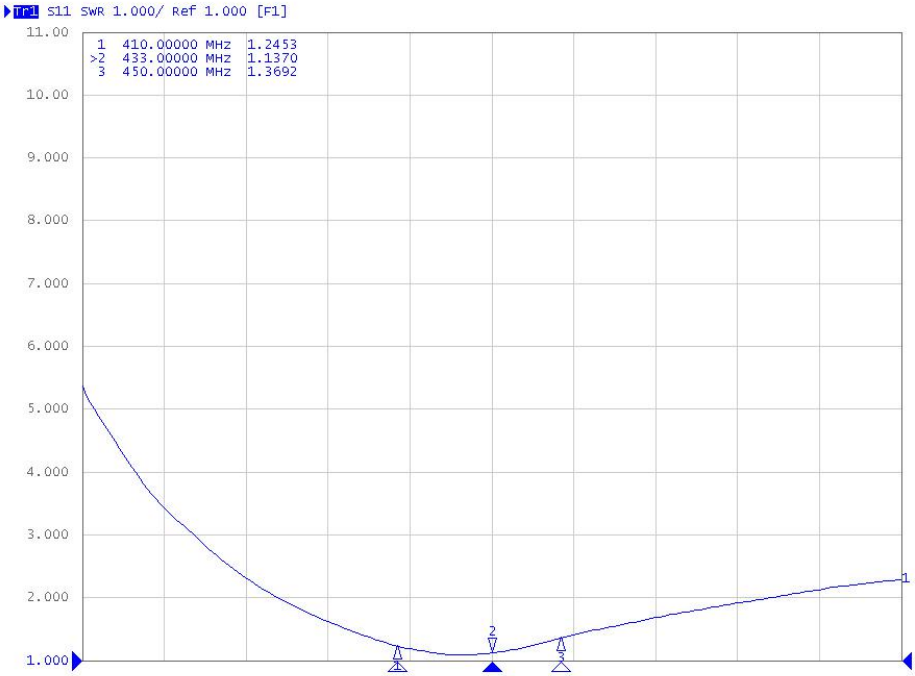
I. Product Introduction

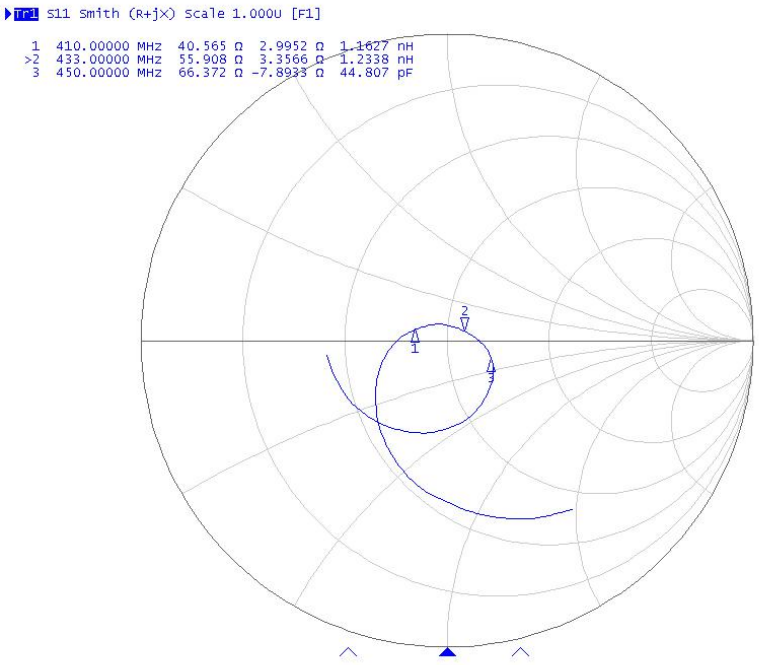
TX433-BLG-120 is a 433MHz fiberglass antenna. Height of the antenna is 1200mm, with a N-J interface (N male) and fiberglass shell. With several groups of antenna oscillators, it is suitable for long distance communication with its high gain, and it is widely used in the wild and other harsh environment because it's weatherproof. Due to its high stability and reliability, the fiberglass antenna is applicable to wireless terminal equipment, base station, gateway, wireless module, AP, wireless data transmission station and other equipment with high requirements.

II. Specification and Parameters

Physical Parameters	
Frequency	433MHz
Bandwidth	410-450MHz
Gain	8dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	100W
Other Parameters	
Height	1200mm
Total Weight	391g
Diameter	Φ20mm
Coat Material	Fiberglass
Interface	N-J
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

III. Testing





IV. FAQ

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in bad communication.

About us

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