TX433-JKD-20P Product Data Sheet

433MHz Bendable Rubber Antenna

SMA-J Interface



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I. Product Introduction

TX433-JKD-20P is a 433MHz bendable rubber antenna. It has advantages of wide frequency band, small SWR, and good consistency. Height of the antenna is 200mm with a SMA-J interface (SMA inner screw thread and inner needle). It can be applied to such devices with frequency of 433MHz as wireless module, data transfer radio, remote control and so on.

II. Specification and Parameters

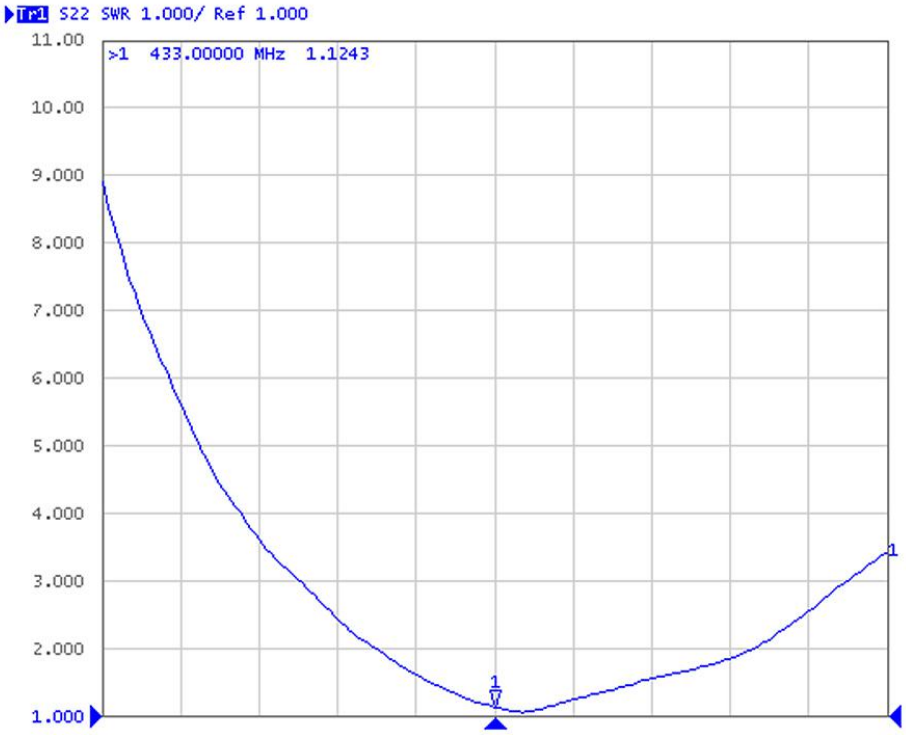
Physical Parameters	
Frequency	433MHz
Bandwidth	410-450MHz
Gain	4dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	20W
Other Parameters	
Height	200mm
Total Weight	21g
Coat Material	TPEE
Interface	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+80℃
Storage Temperature	-40℃～+85℃

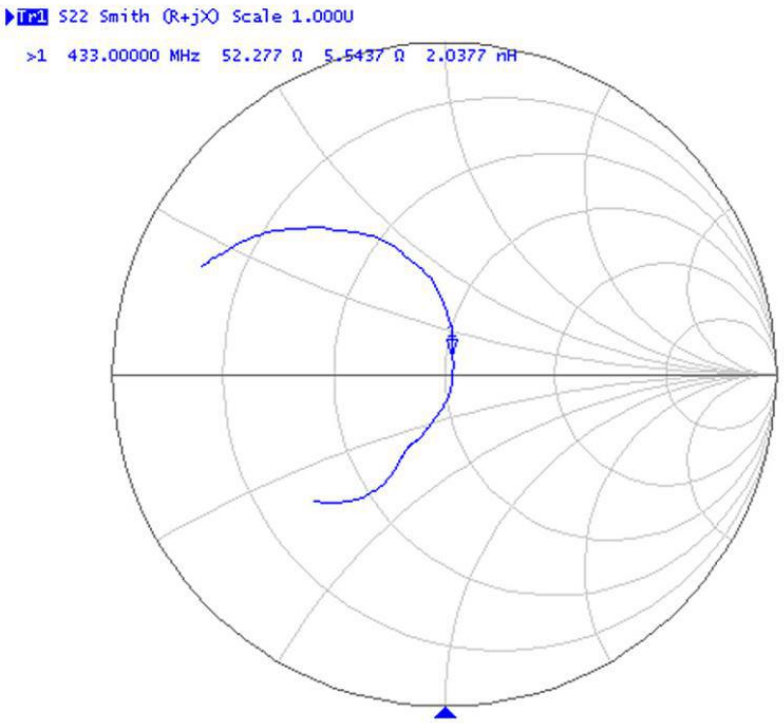


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III. Testing





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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.

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