



## TX433-JKD-20P Product Data Sheet

**433MHz Bendable Rubber Antenna  
SMA-J Interface**

## I. Product Introduction

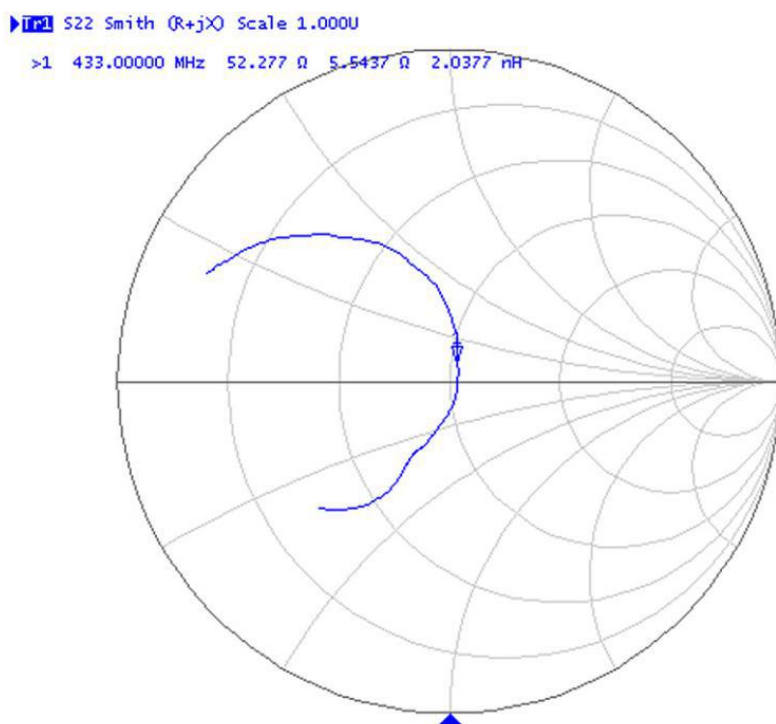
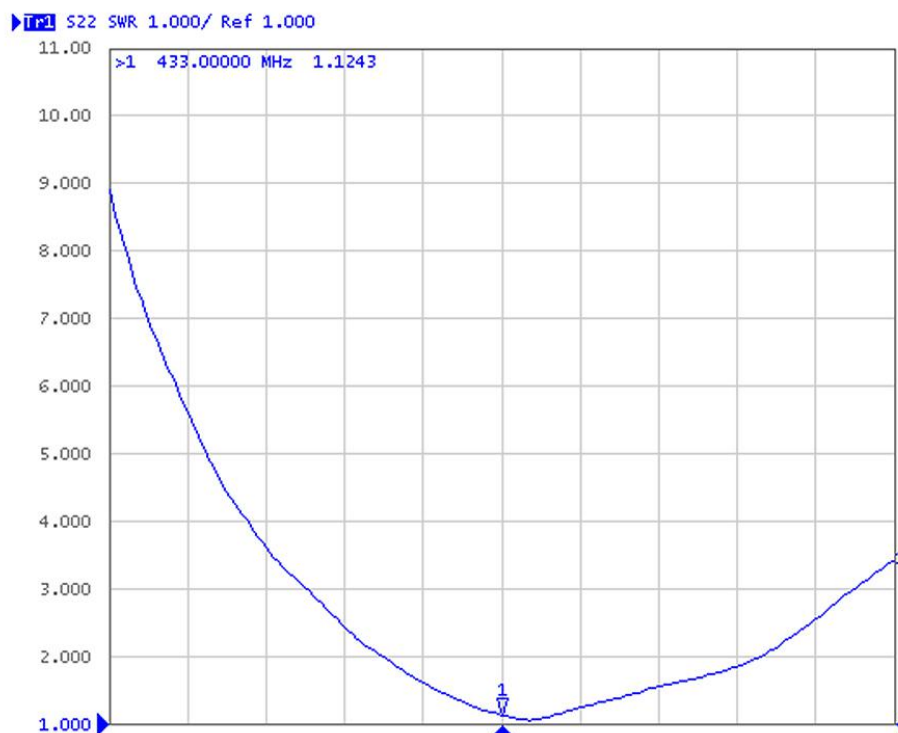
TX433-JKD-20P is a 433MHz bendable rubber antenna. It has advantages of wide frequency band, small SWR, and good consistency. Height of the antenna is 200mm with a SMA-J interface (SMA inner screw thread and inner needle). It can be applied to such devices with frequency of 433MHz as wireless module, 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	50 Ω
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°C ~ +80°C
Storage Temperature	-40°C ~ +85°C



### 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.

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