TX433-PB-2626 Product Data Sheet

433MHz Panel Directional Antenna

SMA-J Connector



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I. Product Introduction

TX433-PB-2626 is a 433MHz panel directional antenna. Size of the antenna is 258mm*258mm*33.5mm. With a SMA-J connector(SMA inner thread and inner needle), it can be applied to such devices with frequency of 433MHz as wireless module and network devices.

II. Specification and Parameters

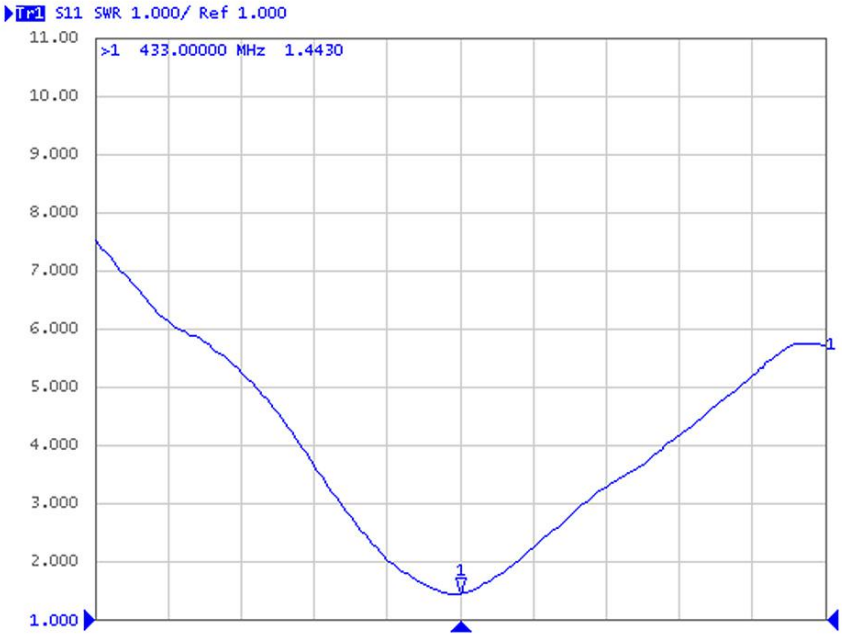
Physical Parameters	
Frequency	433MHz
Bandwidth	410MHz-450MHz
Gain	8dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Directional
Input Impedance	50Ω
Power Capacity	50W
Front-Back Ratio	≥8
Lightning Protection	DC Ground
Other Parameters	
Size	258mm*258mm*33.5mm
Total Weight	911g
Radome Material	PC
Feeder Length	3m
Connector	SMA-J
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

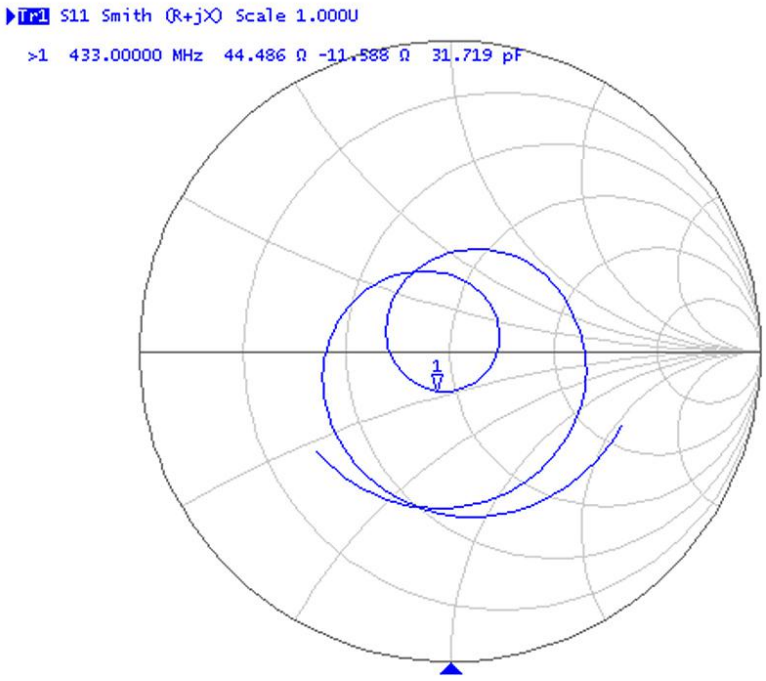


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III. Testing





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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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