TX433-BM-5 Product Data Sheet

433MHz Yagi Directional Antenna

N Female Connector



Chengdu Ebyte Electronic Technology Co.,Ltd.

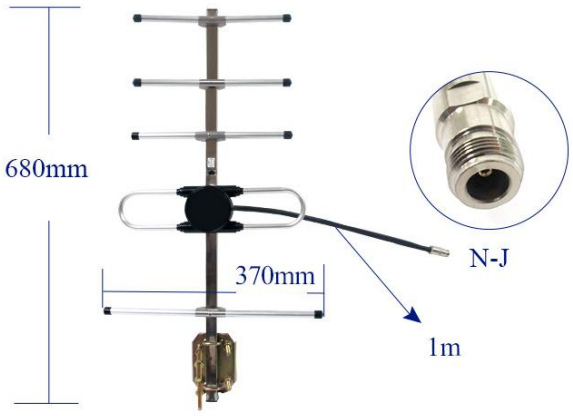
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I. Product Introduction

TX433-BM-5 is a 433MHz 5-unit yagi directional antenna. Dimension of the antenna is 680*370mm with a N female connector. Made of aluminum alloy, this antenna is durable and easy to install with simple structure but resistant to strong wind. With its high gain, it does pretty well in signal transmission and suitable for broadband communication system, indoor coverage of signal, point-to-point and point-to-multipoint applications.

II. Specification and Parameters

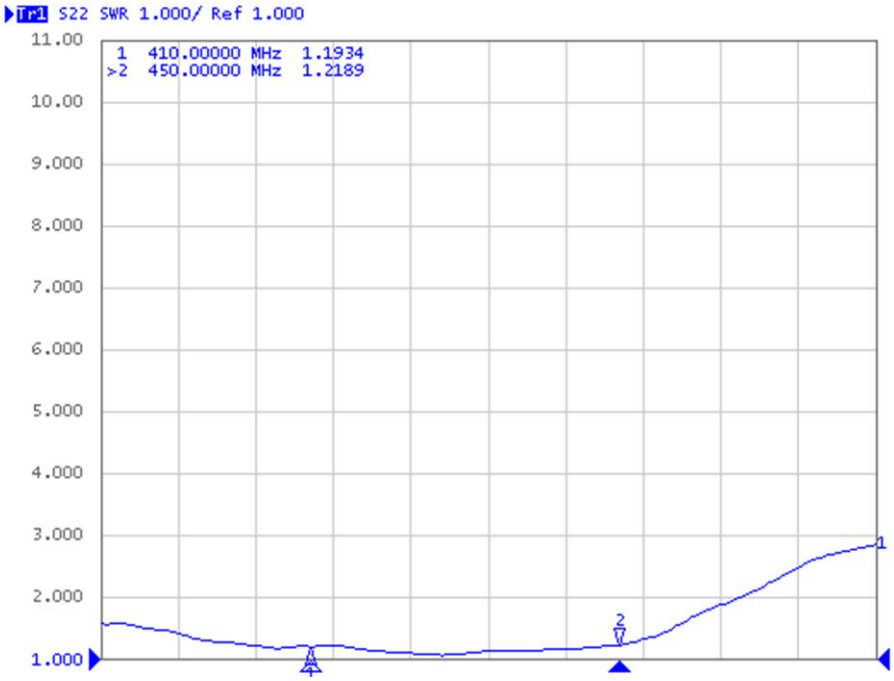
Physical Parameters	
Frequency	433MHz
Bandwidth	410-450MHz
Gain	10dBi
SWR	≤1.5
Polarization	Linear
Radiation Direction	Directional
Horizontal Beamwidth	54°
Vertical Beamwidth	48°
dB	14
Input Impedance	50Ω
Power Capacity	100W
Lightning Protection	DC Ground
Other Parameters	
Dimension	680*370mm
Unit Number	5
Total Weight	1000g
Antenna Material	Stainless Steel+Aluminum Alloy
Feeder Length	1m
Connector	N Female
Wind-Resistant	60m/s
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

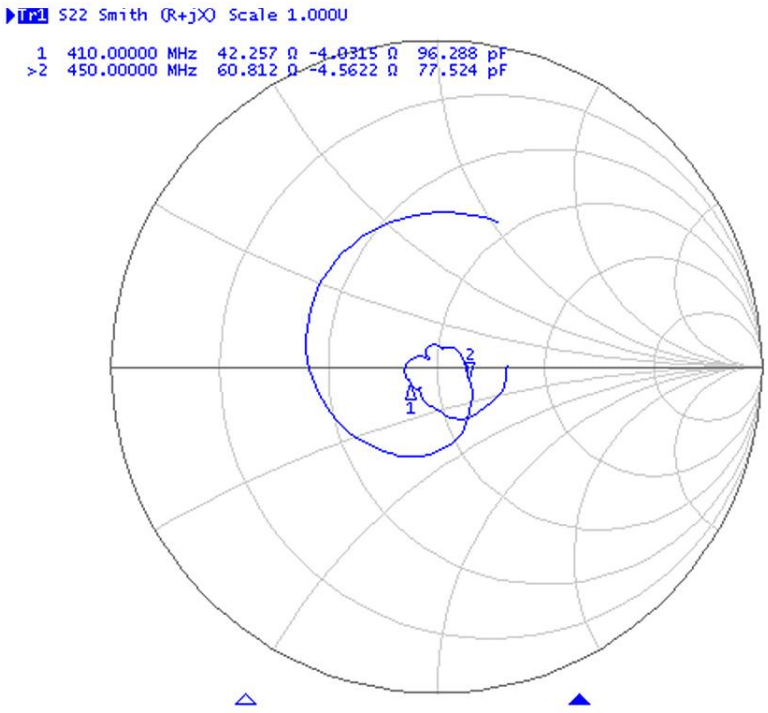


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III. Testing





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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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