TX2400-PB-2222 Product Data Sheet

2.4GHz Panel Directional Antenna

SMA-J/ N-J Connector



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I. Product Introduction

TX2400-PB-2222 is a 2.4GHz panel directional antenna. Size of the antenna is 218mm*218mm*30mm. With a SMA-J (SMA inner thread and inner needle)/ N-J (N female) connector, it can be applied to such devices with frequency of 2.4GHz as wireless module and network devices.

II. Specification and Parameters

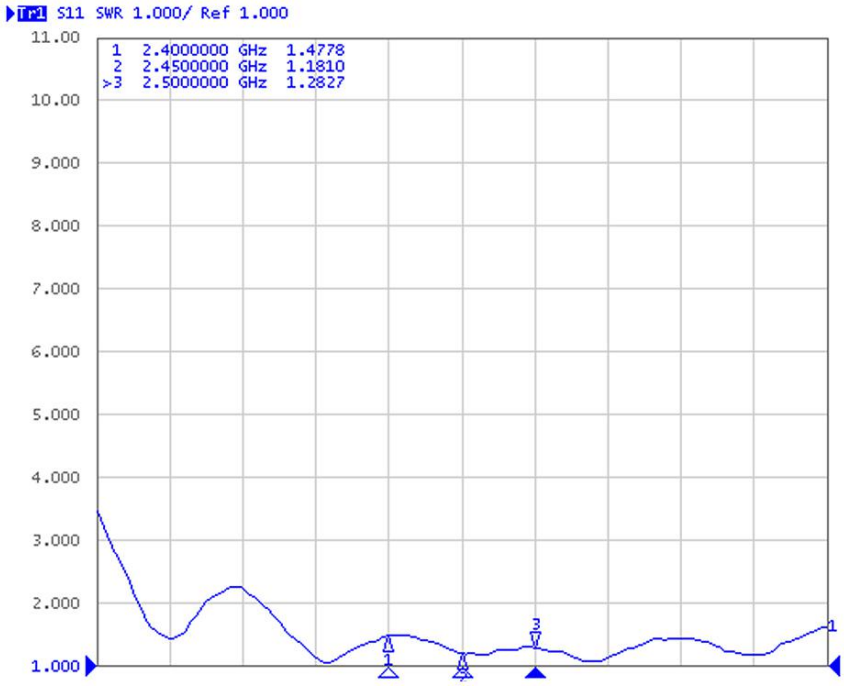
Physical Parameters	
Frequency	2.45GHz
Bandwidth	2.4-2.5GHz
Gain	16dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Directional
Input Impedance	50Ω
Power Capacity	50W
Front-Back Ratio	≥10
Lightning Protection	DC Ground
Other Parameters	
Size	218mm*218mm*30mm
Total Weight	616g
Radome Material	PC
Feeder Length	3m
Connector	SMA-J /N-J
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

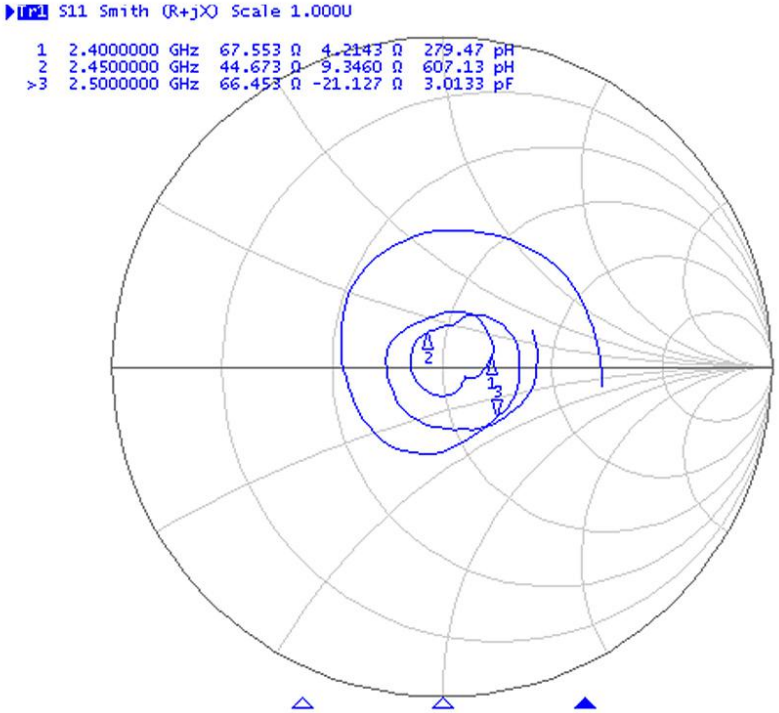


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III. Testing





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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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