TX490-JZ-5 Product Data Sheet

490MHz Straight Rubber Antenna
SMA Male Connector



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I. Product Introduction

TX490-JZ-5 is a 490MHz straight rubber antenna. Height of the antenna is 50mm. With a SMA male connector (SMA inner screw thread and inner needle), it can be applied to such broadband communication system, WLAN and mobile terminal equipment with frequency of 490MHz as router, AP, radio station, WiFi, smart TV and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	490MHz
Bandwidth	470-510MHz
Gain	2dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	20W
Other Parameters	
Height	50mm
Total Weight	4g
Coat Material	TPEE
Connector	SMA Male (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃



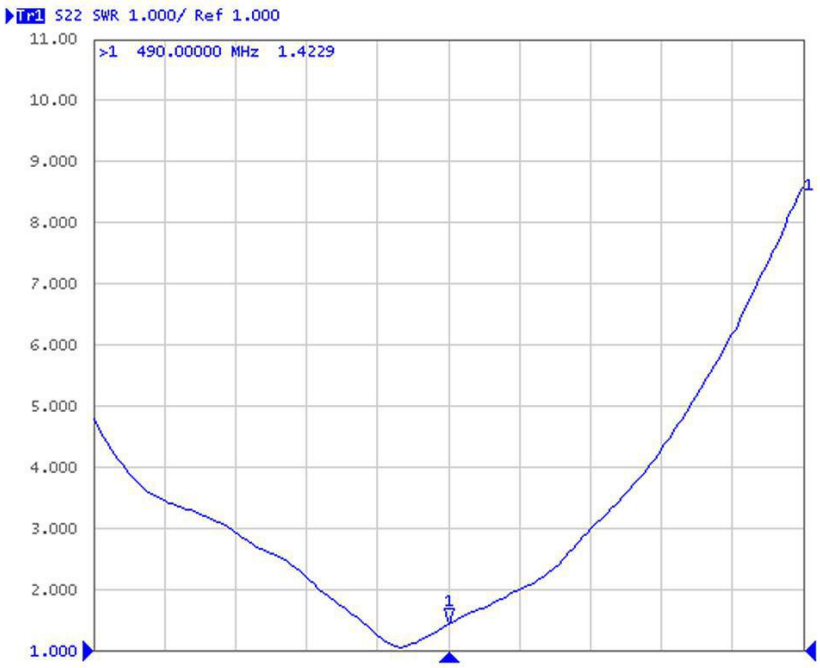
SMA-J

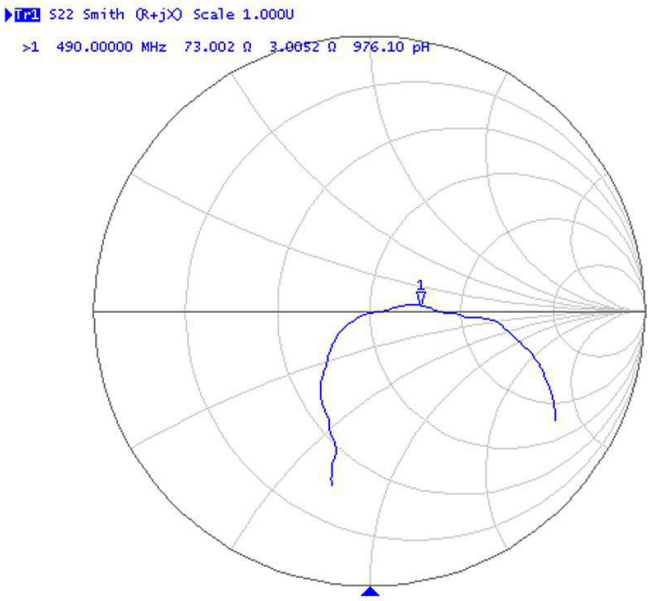


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III. Testing





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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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