TX170-TB-300 Product Data Sheet

170MHz Copper Rod Sucker Antenna

SMA-J Connector



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I. Product Introduction

TX170-TB-300 is a 170MHz copper rod sucker antenna. Height of the antenna is 500mm with a SMA-J connector (SMA inner screw thread and inner needle). The antenna is made of pure copper with a strong magnetic base, which can stick tightly to the metal surface. it can be applied to such devices with frequency of 170MHz as AP, smart TV, wireless module and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	170MHz
Bandwidth	155-185MHz
Gain	5dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	50W
Other Parameters	
Height	500mm
Material	Copper
Sucker Diameter	Φ82mm
Total Weight	633g
Feeder Material	RG58
Feeder Length	3m
Connector	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

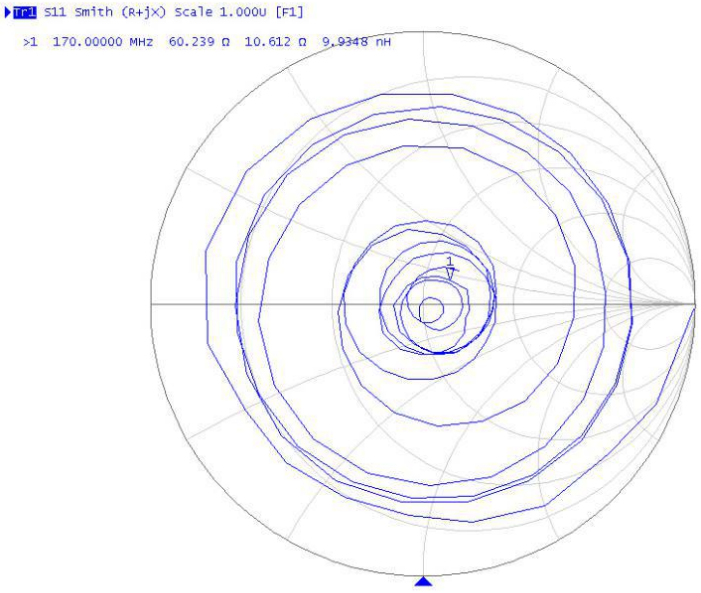


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III. Testing





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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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