



TX4G-TB-300 Product Data Sheet

**4G/LTE Copper Rod Sucker Antenna
SMA-J Connector**



I. Product Introduction

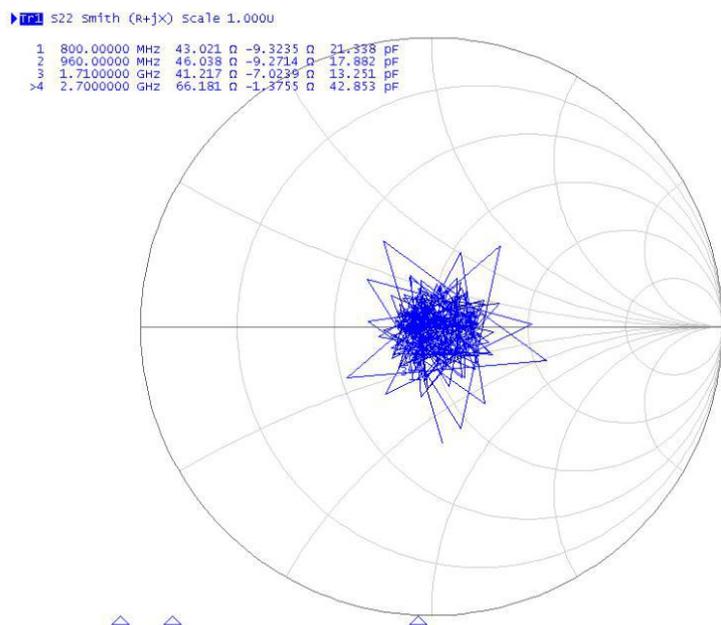
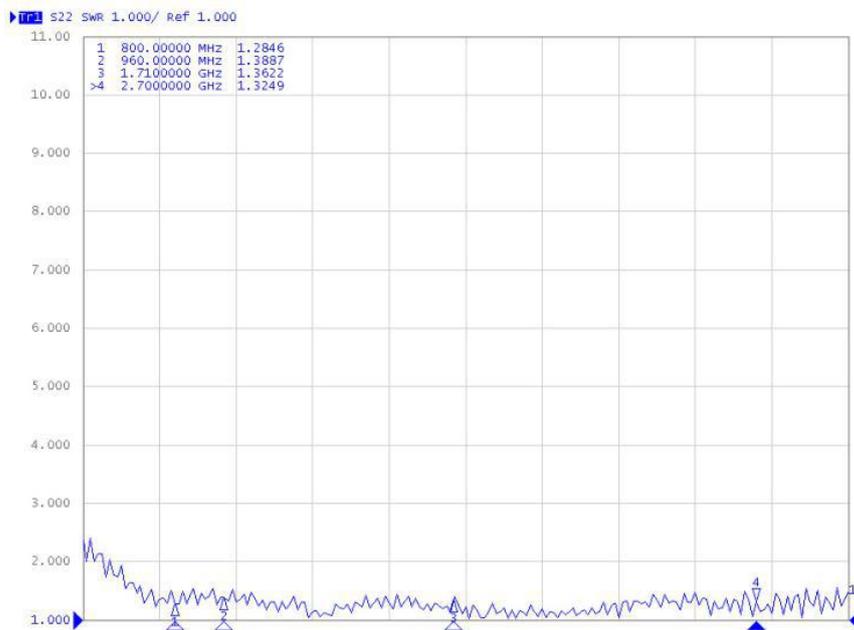
TX4G-TB-300 is a 4G/LTE copper rod sucker antenna. Height of the antenna is 165mm with a SMA-J connector (SMA inner screw thread and inner needle). The antenna is made of pure copper with a strong magnetic base, which can stick tightly to the metal surface. it can be applied to such broadband communication system, WiFi and mobile terminal equipment with frequency of 4G/LTE as AP, router, smart TV, vending machine, wireless module and so on.

II. Specification and Parameters

Physical Parameters	
Bandwidth	4G/LTE
	800-960MHz; 1710-2700MHz
Gain	6dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50 Ω
Power Capacity	50W
Other Parameters	
Height	165mm
Material	Copper
Sucker Diameter	Φ62.2mm
Total Weight	249g
Feeder Material	RG58
Feeder Length	3m
Connector	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C



III. Testing



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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