



TX900-XPL-100(15) Product Data Sheet

**900MHz Sucker Antenna
SMA Male Connector**

Chengdu Ziisor Technology Co., Ltd

I. Product Introduction

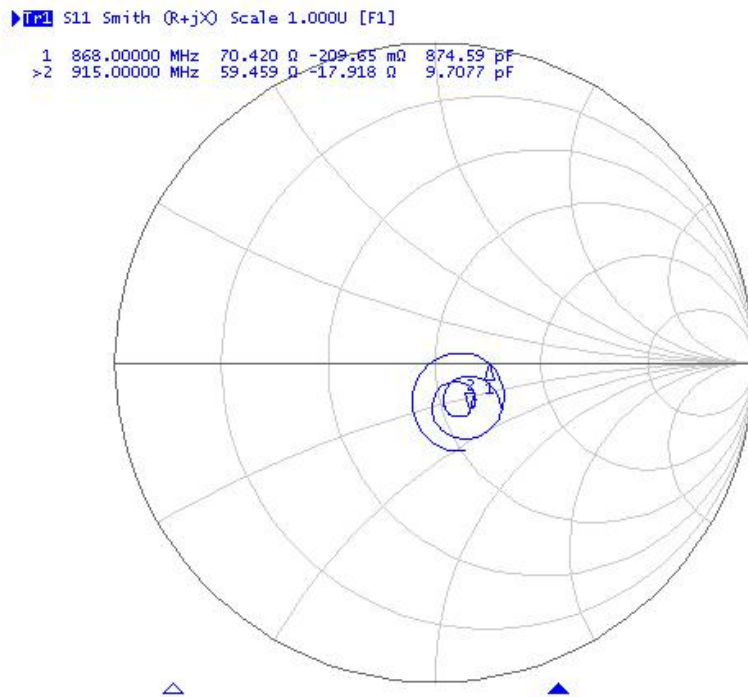
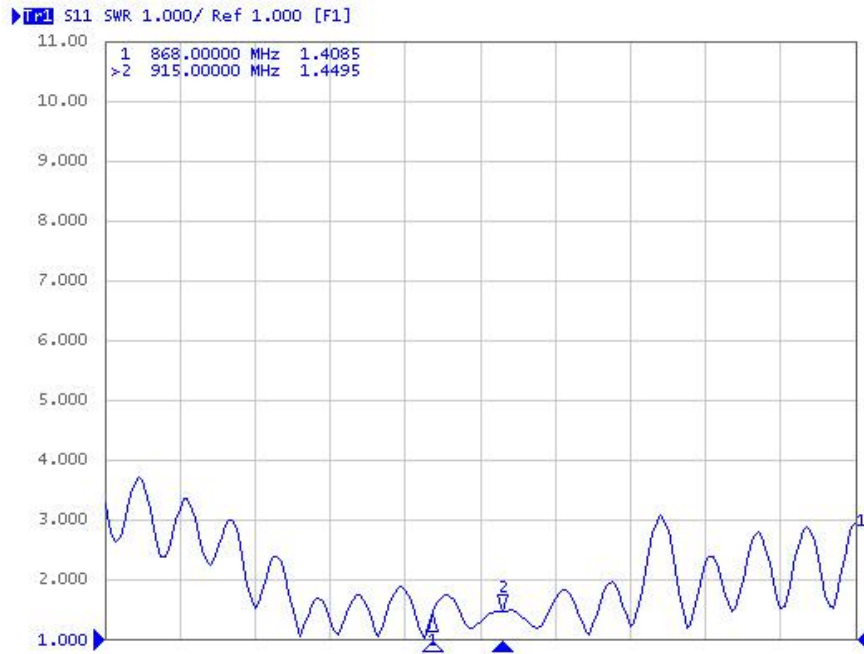
TX900-XPL-100(15) is a 900MHz sucker antenna. Height of the antenna is 179mm with a SMA male connector (SMA inner screw thread and inner needle). With a strong magnetic base, which can stick tightly to the metal surface. It can be applied to such devices with frequency of 900MHz as wireless module, data transmission radio, vehicle and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	900MHz
Bandwidth	860-960MHz
Gain	3.5dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50 Ω
Power Capacity	50W
Other Parameters	
Height	179mm
Sucker Diameter	30mm
Total Weight	25g
Antenna Material	Carbon Steel+ ABS
Feeder Length	1m
Feeder Material	RG174
Connector	SMA Male (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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