TX868-XPL-100 Product Data Sheet

868MHz Sucker Antenna

SMA-J Interface



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I. Product Introduction

TX868-XPL-100 is a 868MHz sucker antenna. Height of the antenna is 290mm. With a SMA-J interface (SMA inner screw thread and inner needle) and a powerful magnet base, it can stick tightly to the metal surface and be applied to such devices with frequency of 868MHz as wireless module, data transmission radio, remote control and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	868MHz
Bandwidth	848-888MHz
Gain	3.5dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	50W
Other Parameters	
Height	290mm
Sucker Diameter	30mm
Material	Carbon Steel+ABS
Total Weight	31g
Feeder Length	1m
Feeder Material	RG174
Interface	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

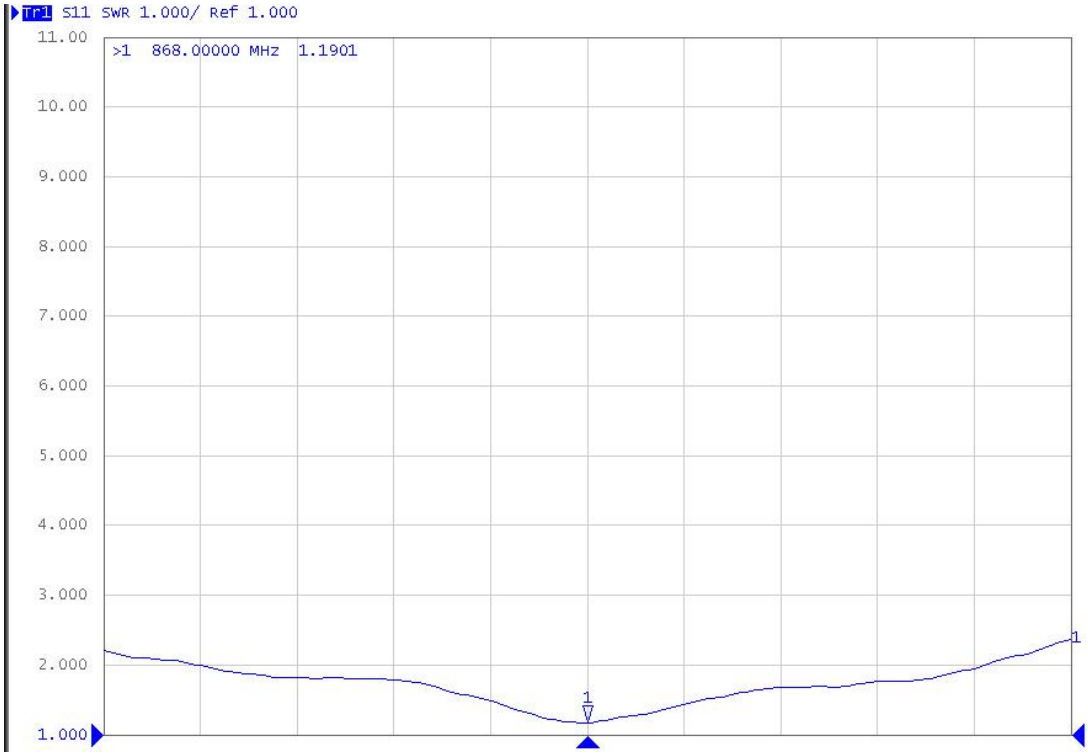


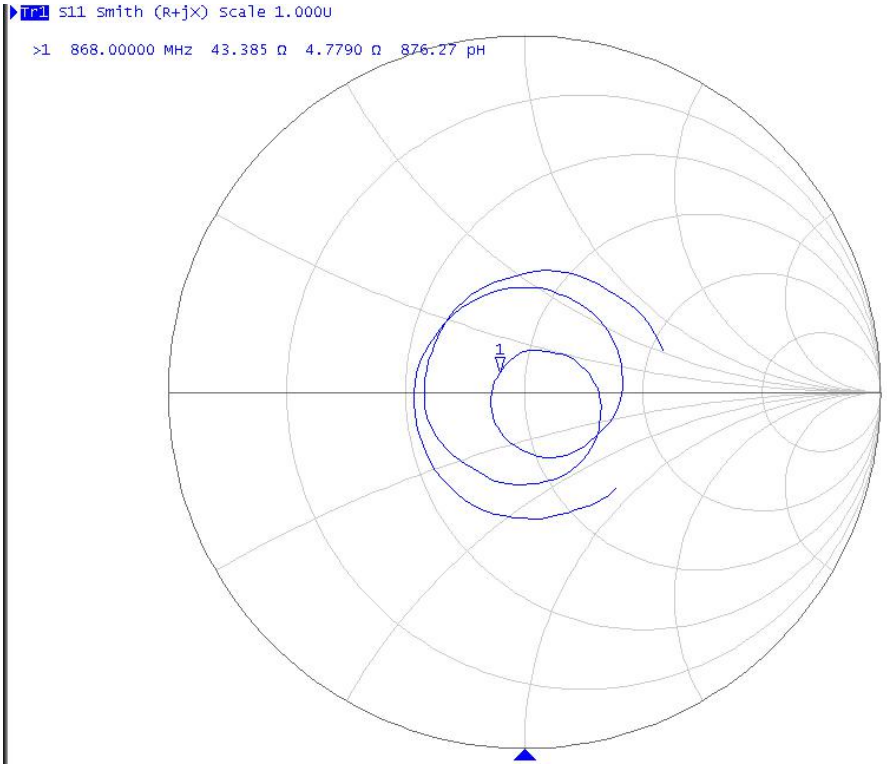


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III. Testing





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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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