TX230-XPH-300 Product Data Sheet

230MHz Middle-Loaded Sucker Antenna

SMA Male Connector



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I. Product Introduction

TX230-XPH-300 is a 230MHz high-gain stainless steel sucker antenna. Height of the antenna is 910mm with a SMA male connector (SMA inner screw thread and inner needle). Its middle-loaded design can significantly improve the intensity of transmitted and received signals. With a strong magnetic base, which can stick tightly to the metal surface. It can be applied to such devices with frequency of 230MHz as wireless module, data transmission radio, vehicle and so on.

II. Specification and Parameters

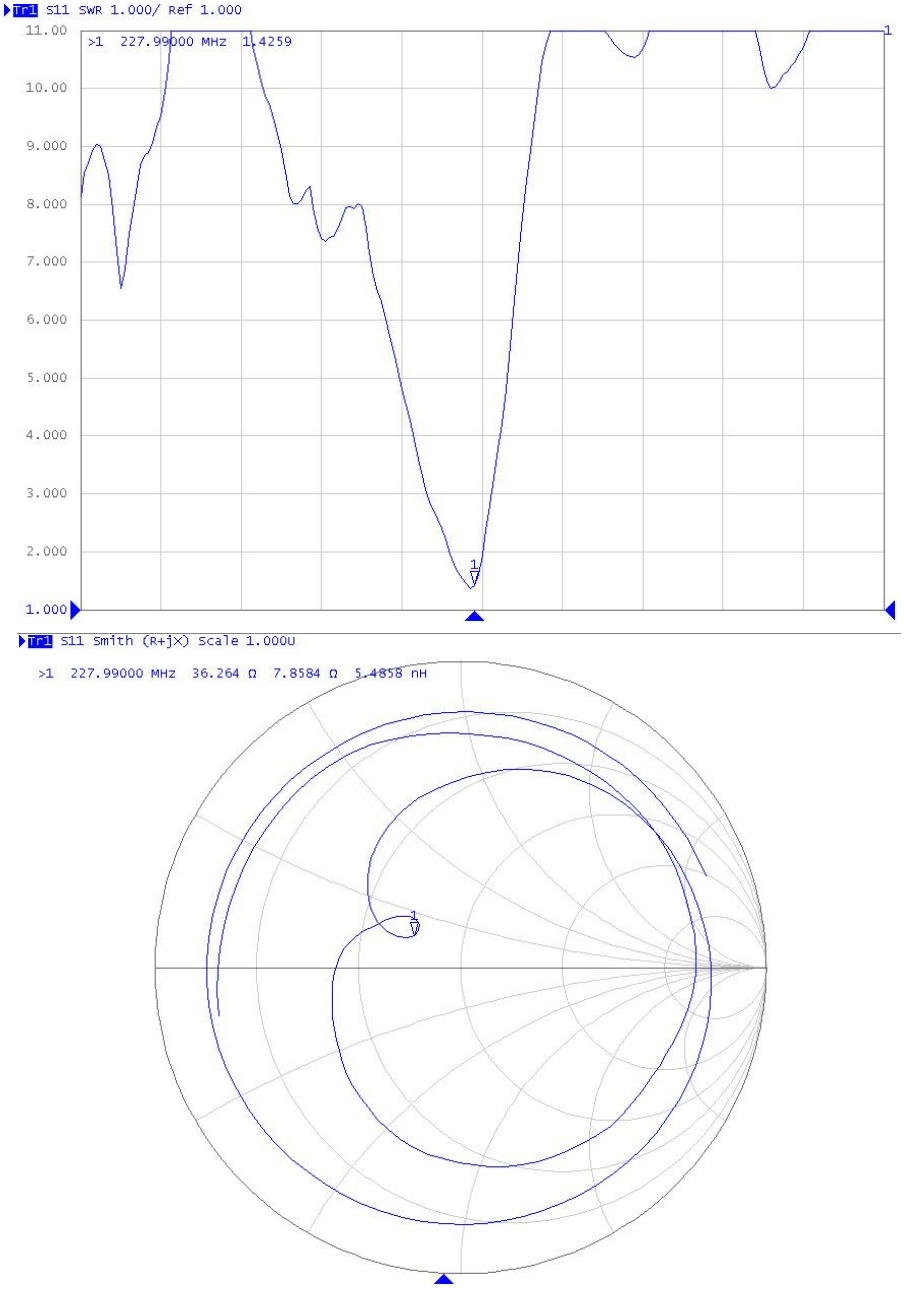
Physical Parameters	
Frequency	230MHz
Bandwidth	210-250MHz
Gain	6dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	50W
Other Parameters	
Height	910mm
Sucker Diameter	90mm
Total Weight	625g
Antenna Material	Stainless Steel
Feeder Length	3m
Connector	SMA Male (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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