



TX4G-XPL17-150



I. Product Introduction

TX4G-XPL17-150 is a 4G/LTE antenna with a suction cup. Height of the antenna is 200mm. With a SMA male connector and a powerful suction cup, it can stick tightly to the metal surface. This antenna is top loaded and can be applied to such wireless devices with frequency of 4G/LTE as wireless module, data transmission radio and so on.

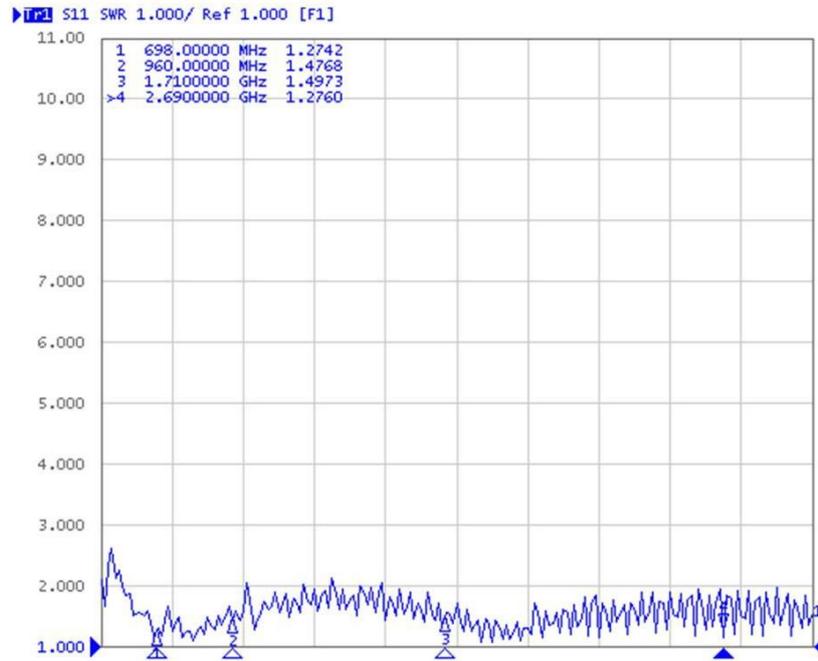
II. Specification and Parameters

Physical Parameters	
Bandwidth	4G/LTE
	780-960MHz,1710-2700MHz
Gain	4dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50 Ω
Power Capacity	50W
Other Parameters	
Height	200mm
Sucker Cup Diameter	30mm
Material	Carbon Steel+ABS
Total Weight	36g
Cable Length	1.5 m (customization available)
Cable Material	RG174
Connector	SMA male
Working Temperature	-40℃ ~+85℃
Storage Temperature	-40℃ ~+85℃

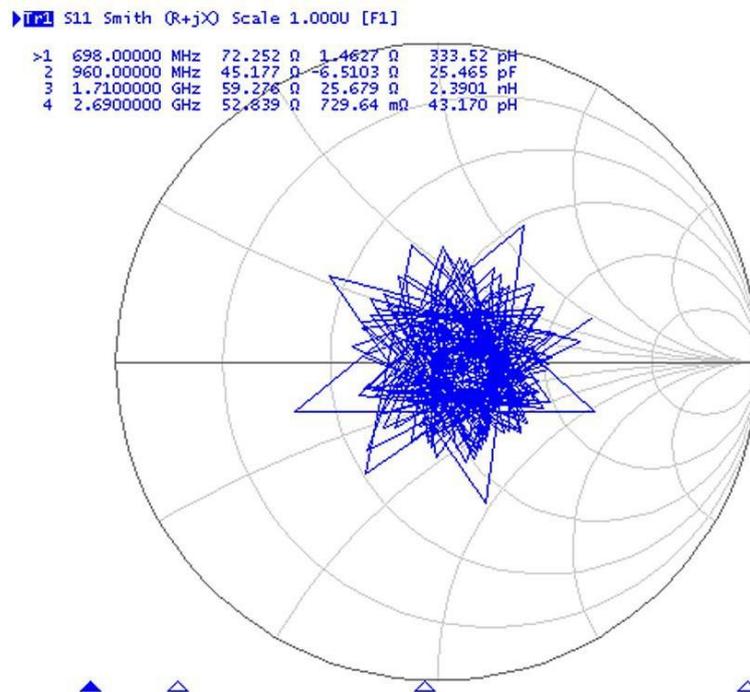


III. Testing

VSWR



Smith Chart



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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