TX4G-JKC-19 Product Data Sheet

4G/LTE Bendable Rubber Antenna

SMA-J Connector



成都亿佰特电子科技有限公司

Chengdu Ebyte Electronic Technology Co.,Ltd.

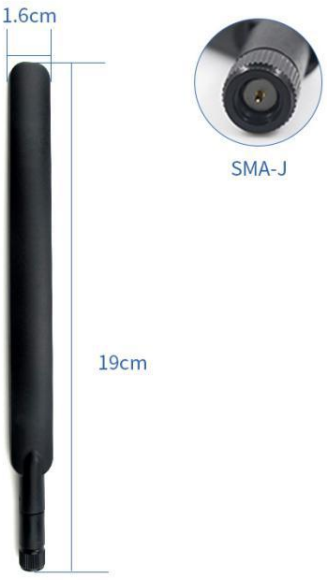
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I. Product Introduction

TX4G-JKC-19 is a 4G/LTE bendable rubber antenna. Height of the antenna is 190mm. With a SMA-J connector (SMA inner screw thread and inner needle), it can be applied to such broadband communication system, WiFi, mobile terminal devices with frequency of 4G/LTE as router, AP, radio, aircard, smart TV and so on.

II. Specification and Parameters

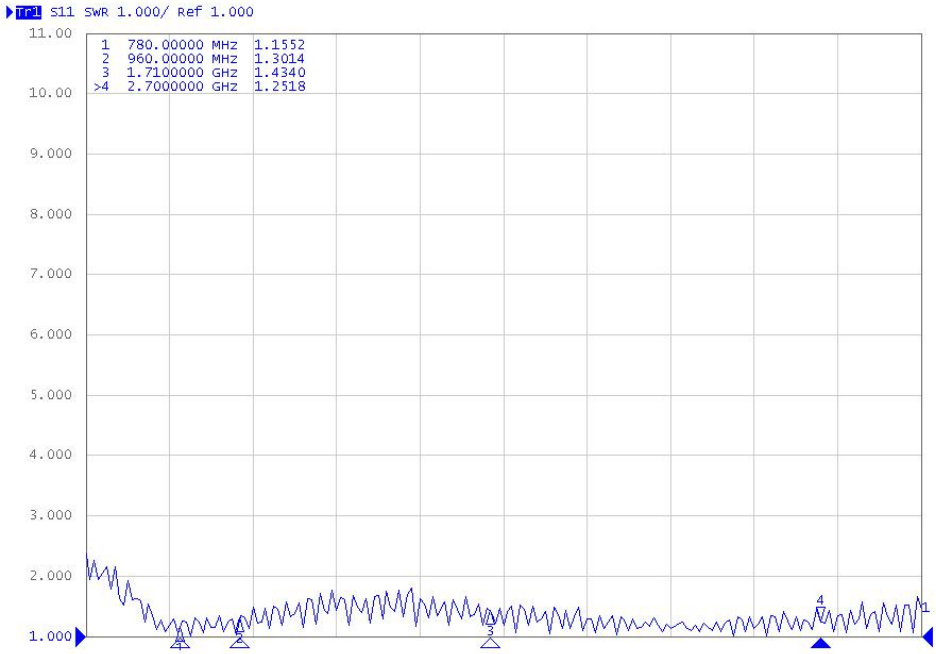
Physical Parameters	
Bandwidth	4G/LTE
	698-960MHz,1710-2700MHz
Gain	5dBi
SWR	≤1.5
Polarization	Vertical
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	20W
Other Parameters	
Height	190mm
Total Weight	18g
Coat Material	TPEE
Connector	SMA-J (SMA inner screw thread and inner needle)
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

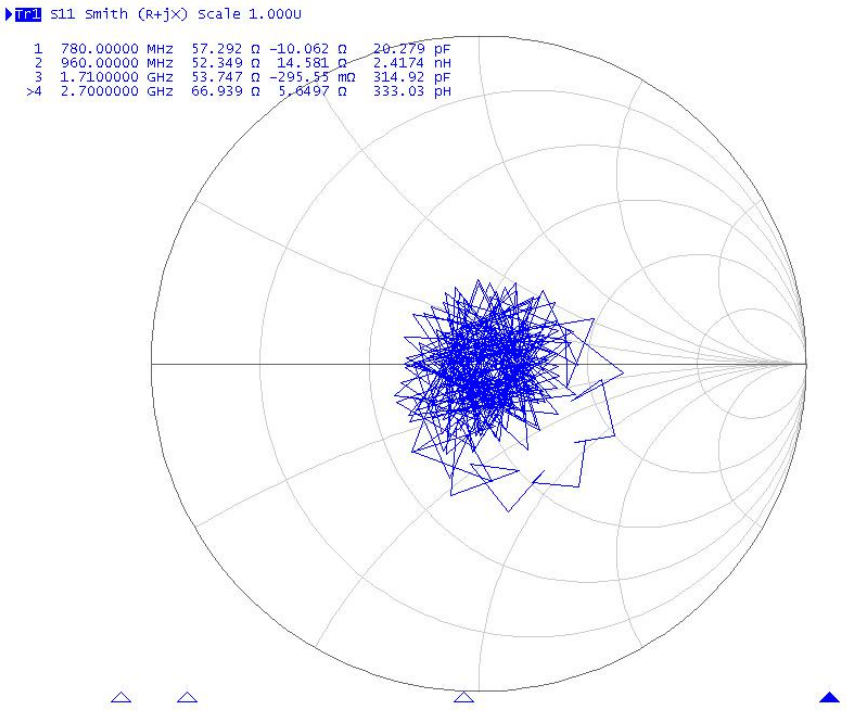


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III. Testing

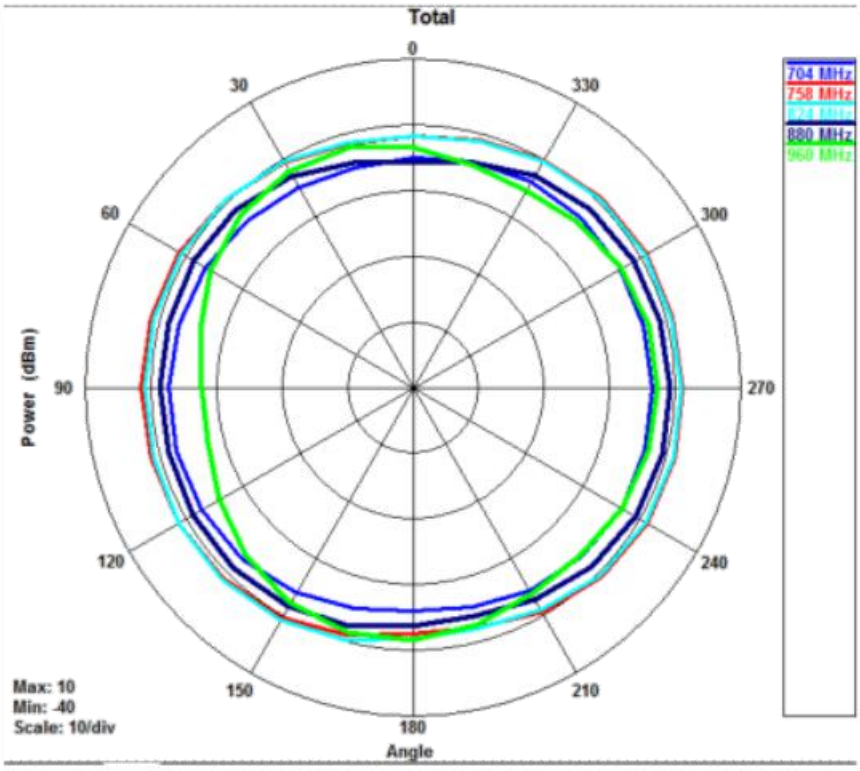


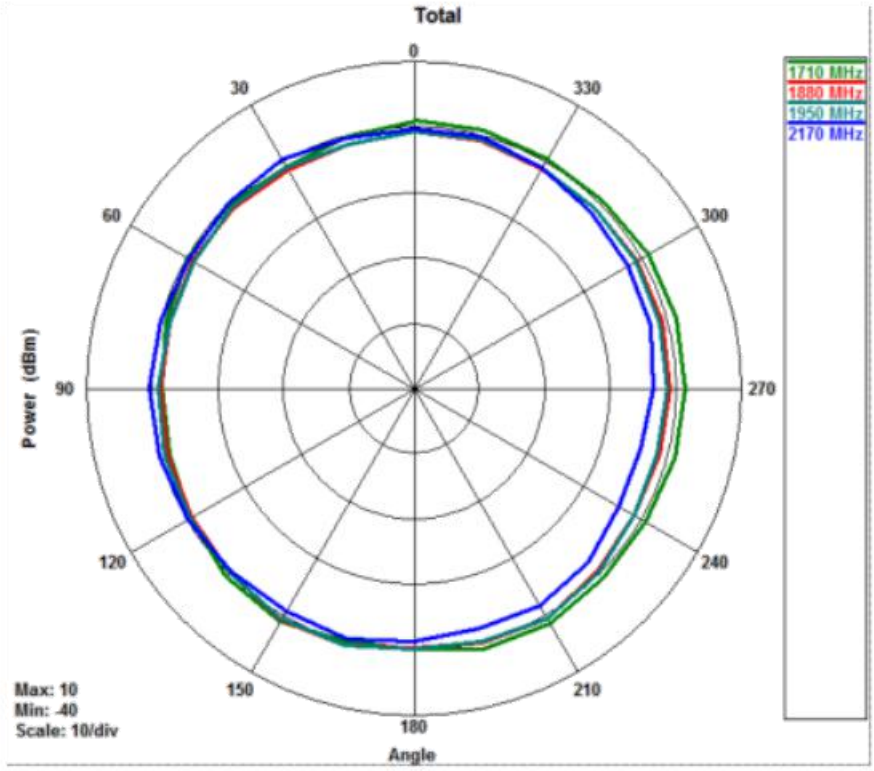


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XY Plane

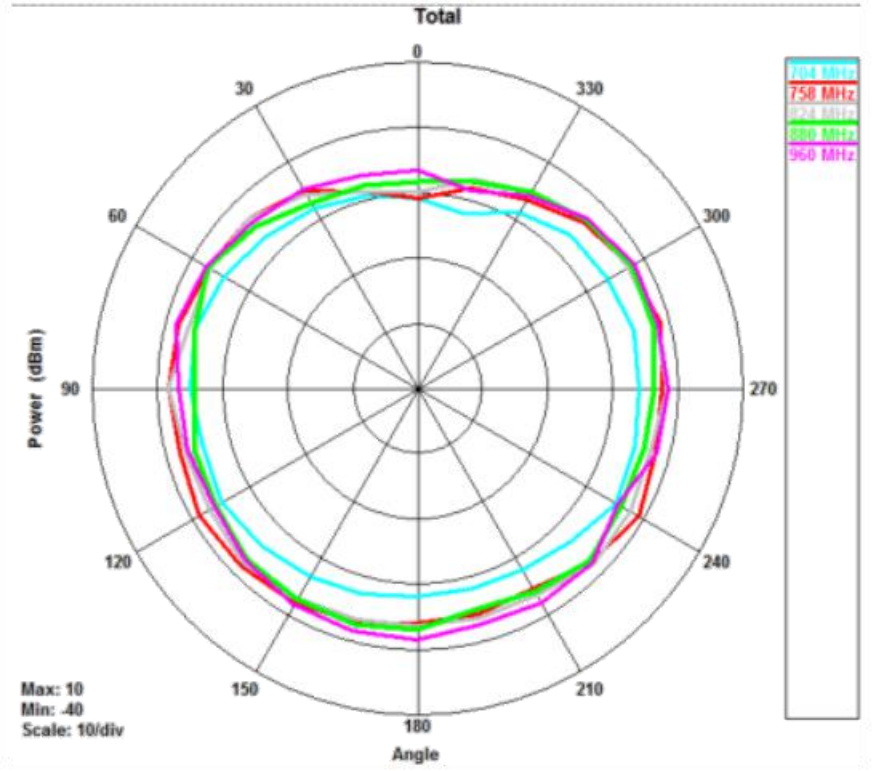


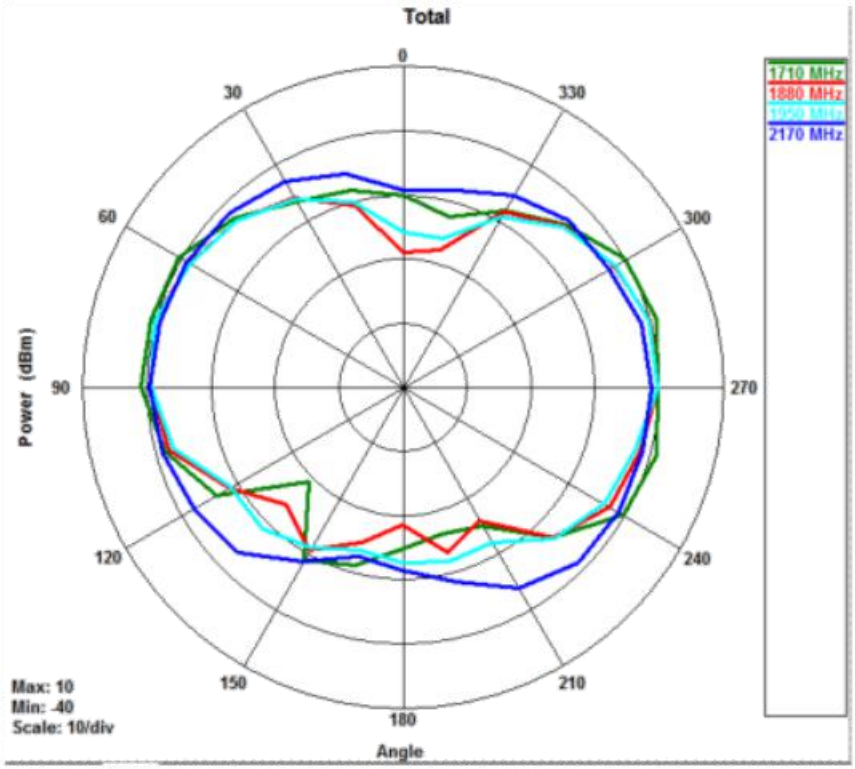


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XZ Plane

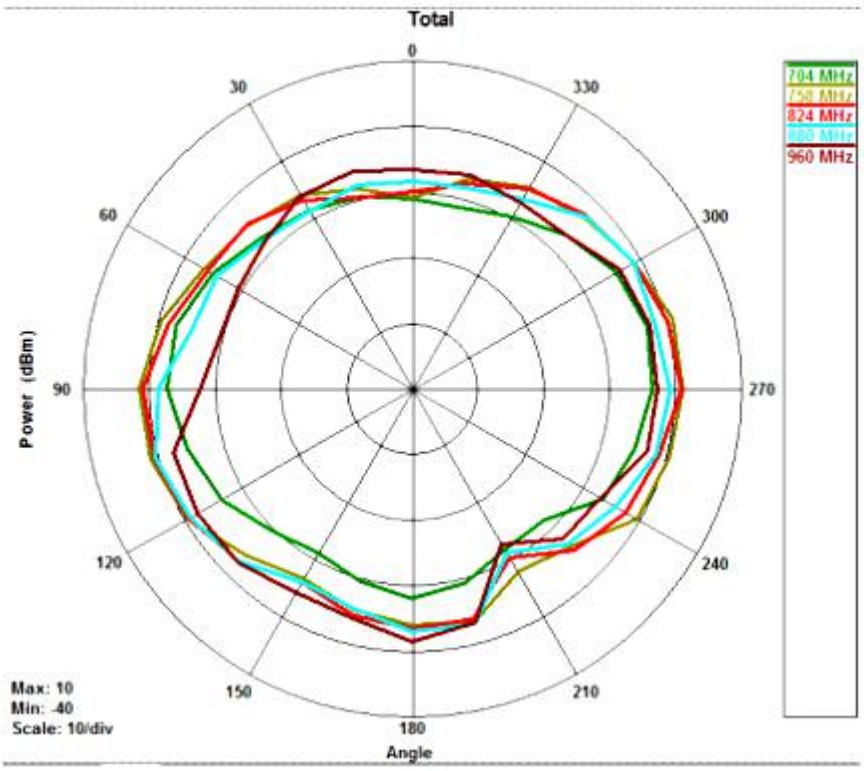


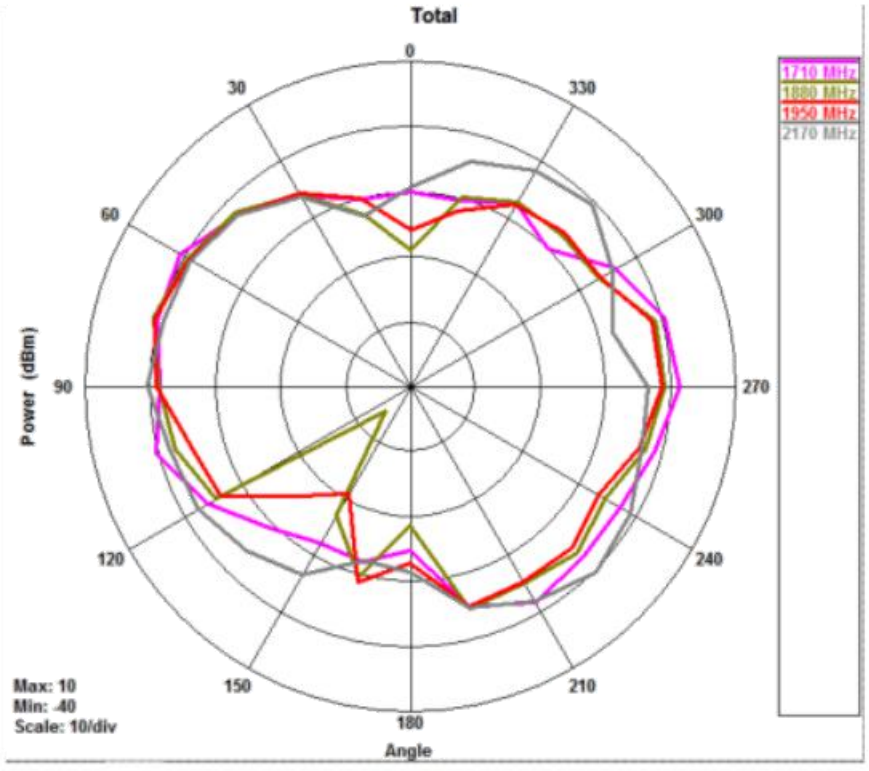


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YZ Plane





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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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