TXGN-PCB-6508 Product Data Sheet

GSM PCB Internal Antenna

IPX-I Interface



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I. Product Introduction

TXGN-PCB-6508 is a GSM PCB internal antenna. Size of the antenna is 66*8mm. With a IPX-I interface, it can be applied to terminal devices(cellphone, WiFi, router) and wireless communication module with frequency of GSM. With small volume and reliable performance, the antenna is internally installed and used in the module and enjoys stable signals.

II. Specification and Parameters

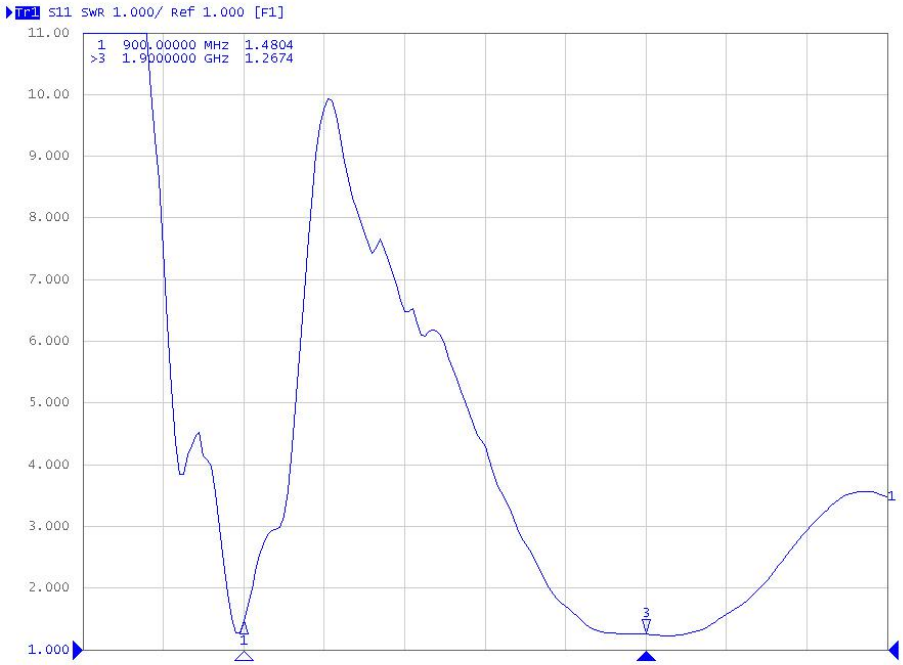
Physical Parameters	
Bandwidth	GSM
	824-960MHz;1710-1990MHz
Gain	2dBi
SWR	≤1.5
Polarization	Linear
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	2W
Other Parameters	
Size	66*8mm
Total Weight	1g
Feeder Length	150mm
Material	PCB
Interface	IPX-I
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

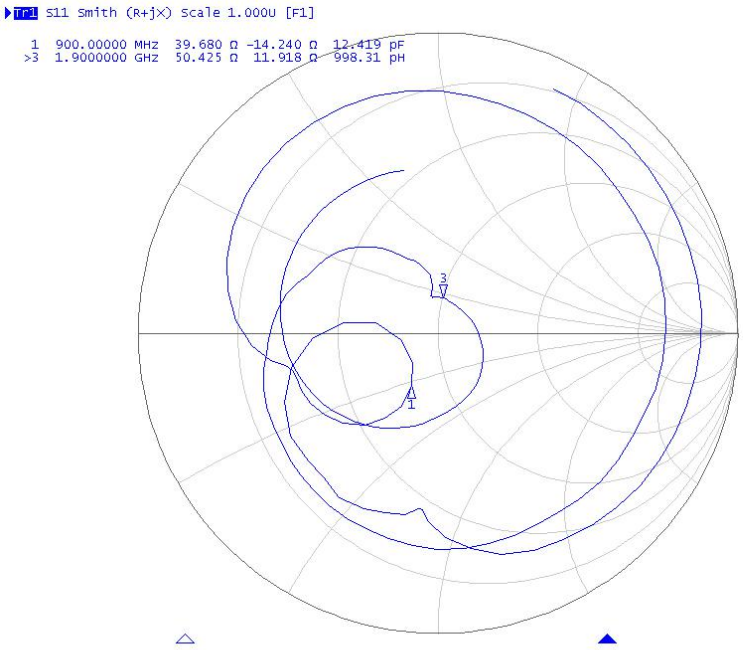


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III. Testing





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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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