TXGN-PCB-D41 Antenna Specification

NB/GSM/3G PCB Built-in

antenna

IPEX-Ⅰ Interface



成都亿佰特电子科技有限公司

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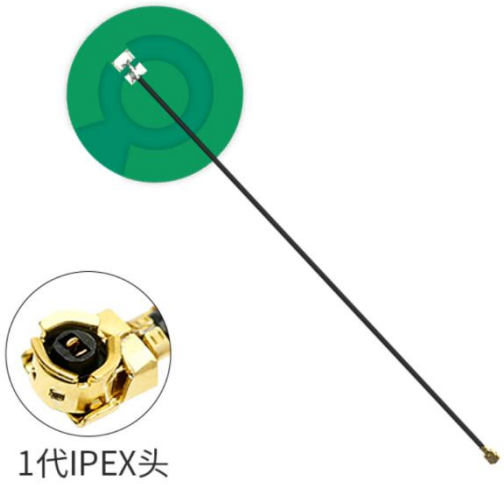
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Ⅰ Product Description

TXGN-PCB-D41 is a NB/GSM/3G band PCB built-in antenna, antenna diameter 41mm, IPEX-Ⅰ generation interface, suitable for various NB/GSM/3G band terminal devices (cell phones, wireless network cards, routers), wireless communication modules, etc. The antenna is small in size, reliable in performance, built into the module installation and use, stable signal.

Ⅱ Specification parameters

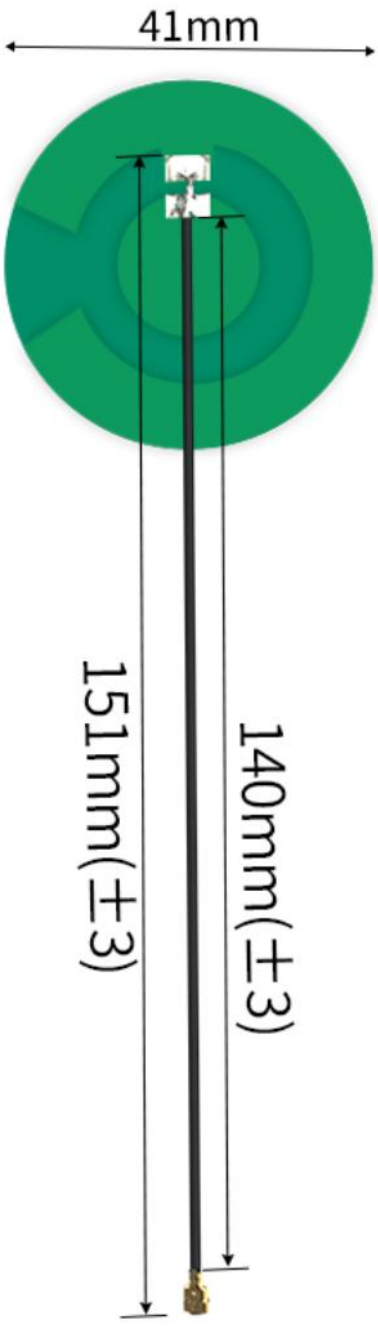
Electrical parameters	
Frequency range	NB/GSM/3G
	824-960MHz;1710-2170MHz
Antenna Gain	3dBi
Voltage VSWR	≤1.5
Polarization direction	Line polarization
Radiation direction	Omni-directional
Input Impedance	50Ω
Power Capacity	2W
Other parameters	
Antenna Diameter	41mm
Overall weight	3g
Feeder material	RF1.13
Feeder length	140mm（ Customizable ）
Antenna Material	PCB
Interface method	IPEX-Ⅰ generation interface
Operating temperature	-30℃～+75℃
Storage temperature	-30℃～+75℃



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Ⅲ Product Size

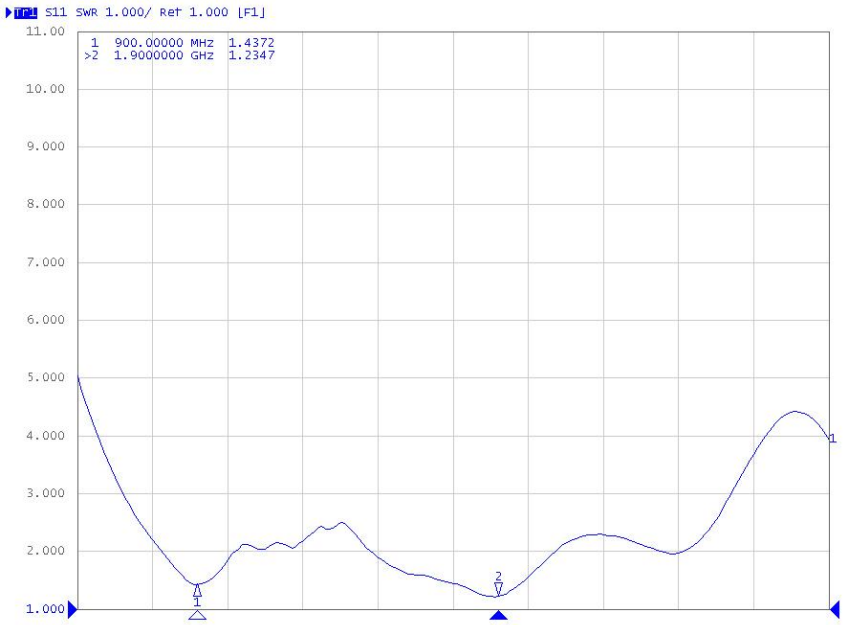


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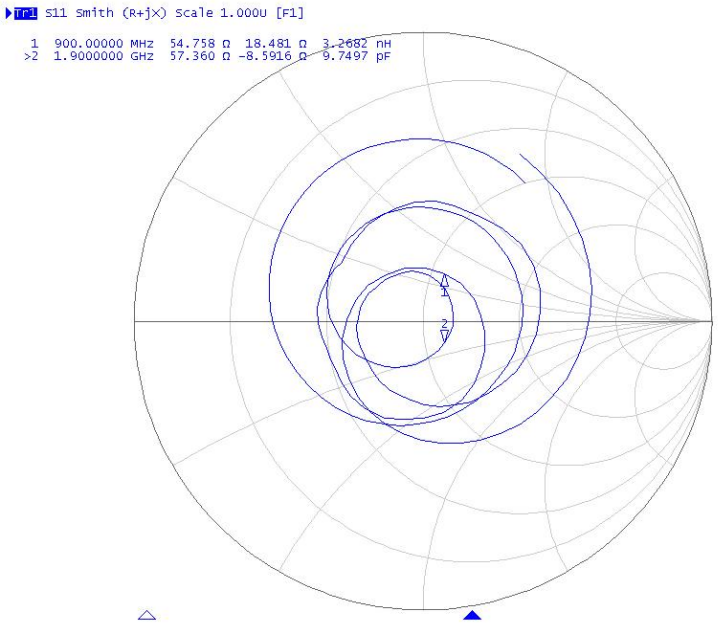
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IVAntenna Characteristics

VSWR



Smith chart



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VFrequently Asked Questions

- The antenna frequency must match the frequency of the wireless device, otherwise the communication is not effective.
- The lower the communication frequency and the longer the wavelength, the better the bypass performance
- When there is a linear communication barrier, the communication distance will be attenuated accordingly
- Please pay attention to the direction of antenna radiation, incorrect antenna installation direction leads to close transmission distance.
- The ground absorbs radio waves, the test effect is poor near the ground, it is recommended to increase the height.
- Sea water has a very strong ability to absorb radio waves, so the seaside test effect is not good.
- Antenna near a metal object or placed in a metal shell, the signal attenuation will be very serious.
- Antenna and communication equipment impedance matching degree is poor will lead to poor communication results.

About us

Sales hotline.: 4000-330-990 Company Phone: 028-61399028
Technical Support: support@cdebyte.com Official website: www.ebyte.com
Company address: Building B5, No.199 West Avenue, Gaoxin West District, Chengdu, Sichuan Province

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