



SPECIFICATION

Product information	Client information
Name: Built-in FPCB Antenna	Name: Junuo
Model: FXLK-2.4G*5G V1 JN	Model used: U8
Specification : FPCB	

Supplier confirmation

Proofreader	Reviewer	Approver
Huang Zhixiong	Yu Guanghui	Zhang Dongxiao

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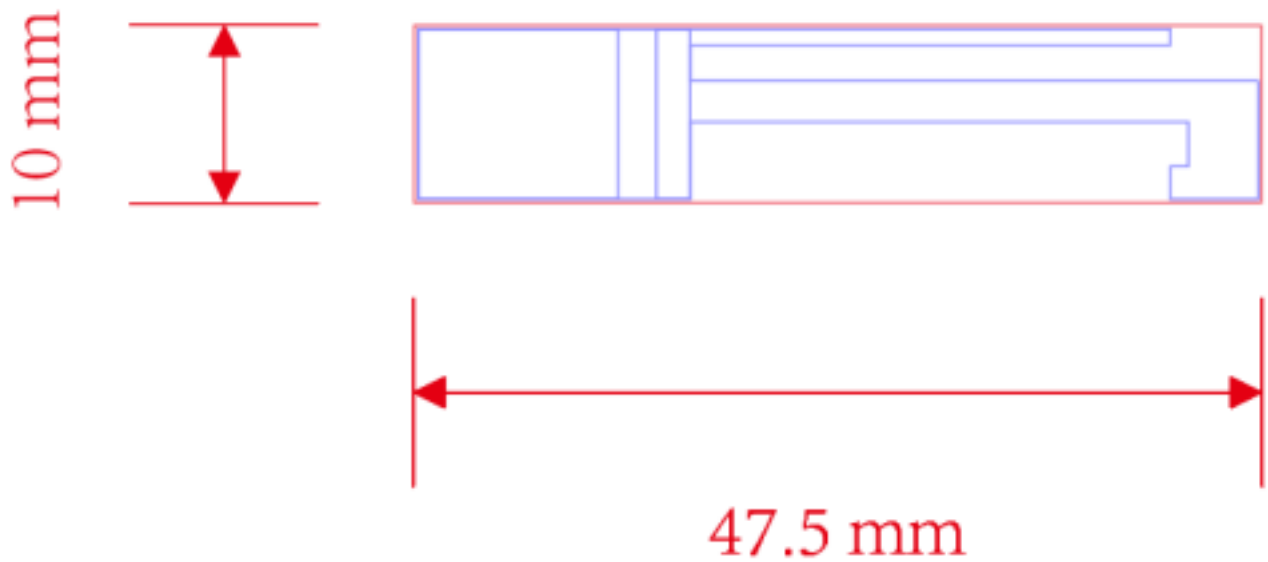
Website: www.feixunlianke.com/

E-mail: ygh7616@163.COM



FXLK-2.4G*5G V1 JN

2.4GHz and 5G ISM Band Frequency





Descriptions

This antenna is designed for 2.4GHz ISM Band. Both of wireless LAN IEEE 802.11b/g/n ,Bluetooth and Zigbee .This Antenna provides a high Efficiency and good performance

The DPTX002 dipole Antenna

Following features:

- ◆ IEEE 802.11 b/g/n standards
- ◆ Single Band working
- ◆ 3.42dBi Max gain
- ◆ Case mount
- ◆ Easy integration

Applications

- ◆ Wireless LAN
- ◆ ISM band 2.4GHz/5G wireless applications
- ◆ BlueTooth
- ◆ Zigbee



Electrical Specifications

Item	Specification
Frequency Range	2.4 GHz 5.2GHz 5.8GHz
Peak Gain(Max)	3.42dBi
VSWR	2 max.
Polarization	Linear
Feed Impedance	50Ω
Power handling	30dbm
Antenna dimensions	40mm×9.5mm
Operation Temperature	-40°C ~ +85°C
Antenna color	Black
Feed line color	Black



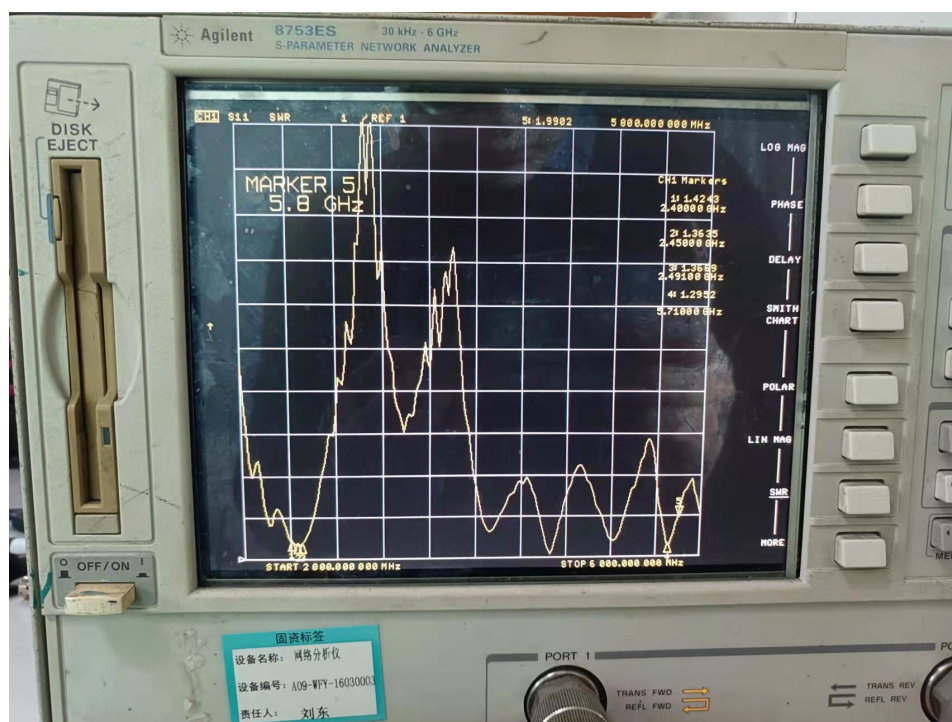
RF Cable Dimensions

FXLK-2.4G*5G V1 JN

dimensions:47.5MM*10MM



VSWR:





Antenna Test Environment;

1. Network Analysis:

Agilent 8753ES

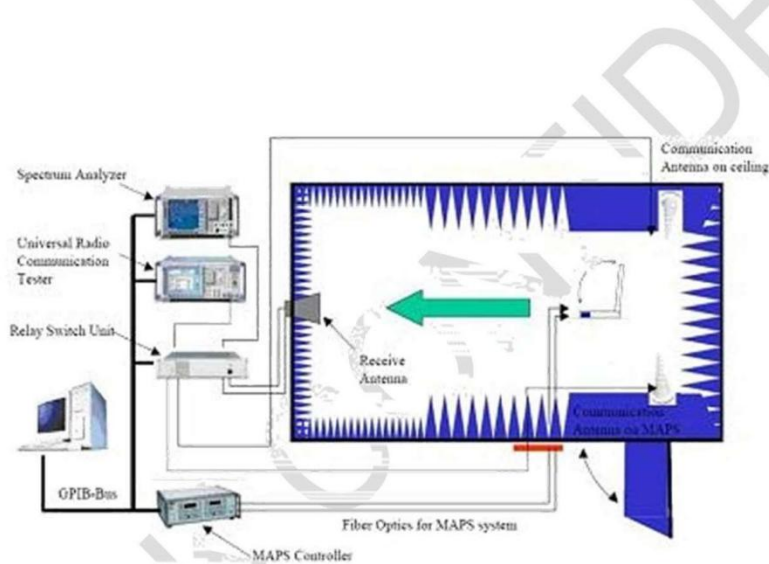
5071C

2. RF Test Equipment:

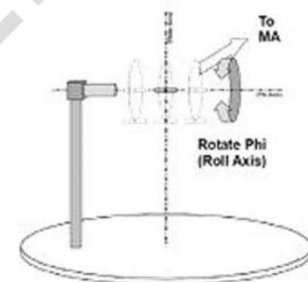
Agilent 8960

CMW500

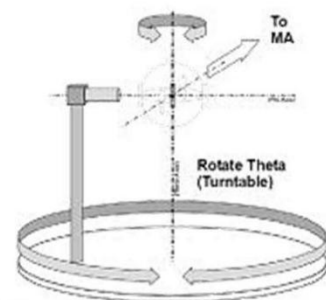
3. Shielding Rom Test Environment:



(Testing by 3D anechoic chamber)



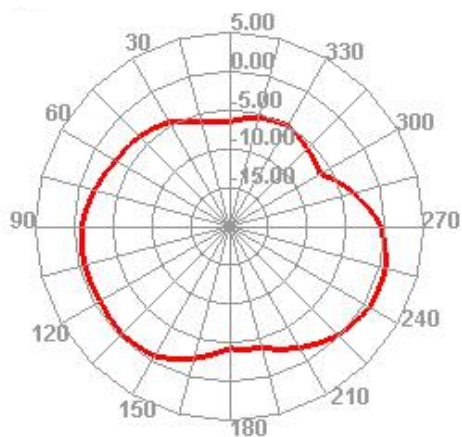
Phi axis test



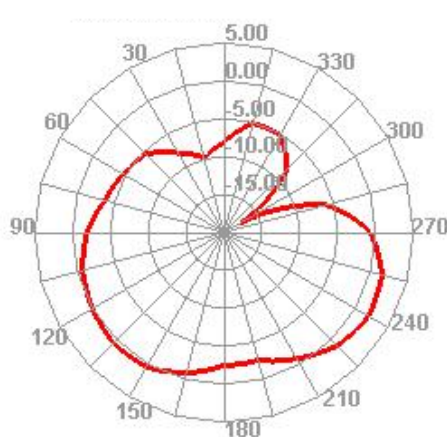
Theta axis test



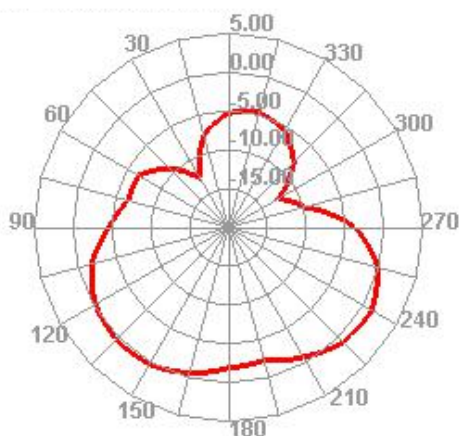
Horizontal: 2.4G/5.2G



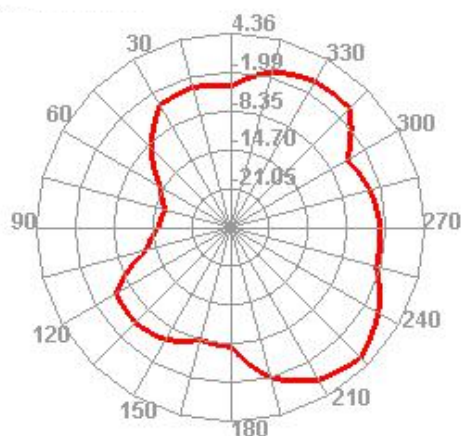
2.412GHz



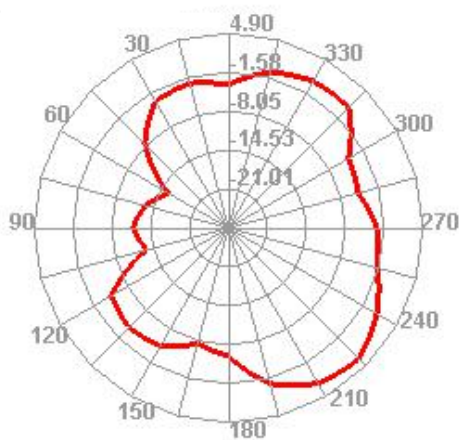
2.437GHz



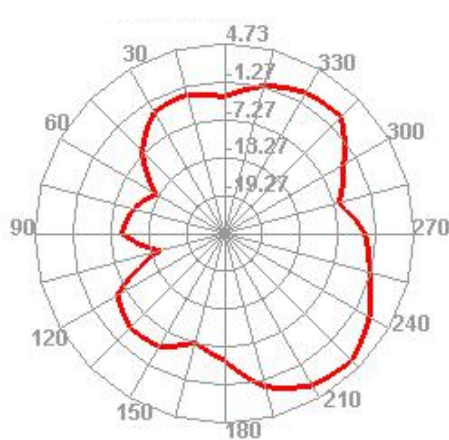
2.462GHz



5.180GHz



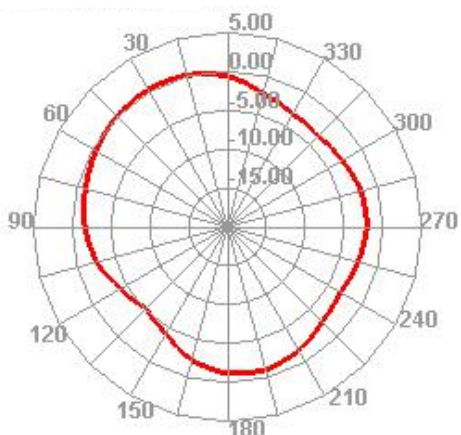
5.230GHz



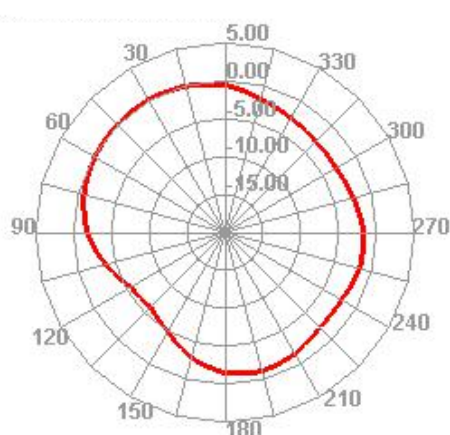
5.240GHz



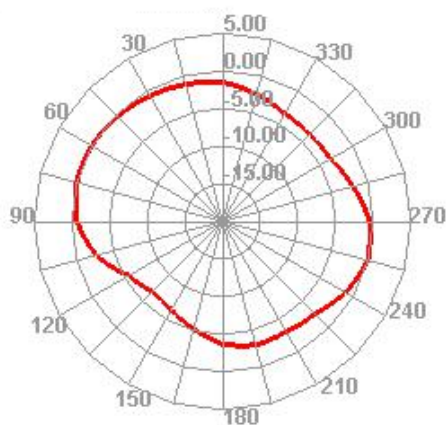
Horizontal: 5.8G



5.745GHz



5.785GHz



5.825GHz



The Feed Cable Parameter

Electrical characteristics

Item	Standard value	Item	Frequency	standard Value Unit:dB/m
Capacitance(pF/m)	98	Attenuation	1GHz	≤2.2
Velocity(%)	70		2GHz	≤3.1
Impedance(Ω)	50±2		3GHz	≤3.8
Standing wave ratio	≤1.3@0~6GHz		4GHz	≤4.4
Max.operating voltage(V)	1000		5GHz	≤4.9
Max.operating frequency(GHz)	6		6GHz	≤5.4

Dependability

ITEM	Unit	Standard value
Min.bending radius static	mm	/
Operating temperature	°C	-40°C ~ +85°C