
Antenna specification

1、Antenna introduction

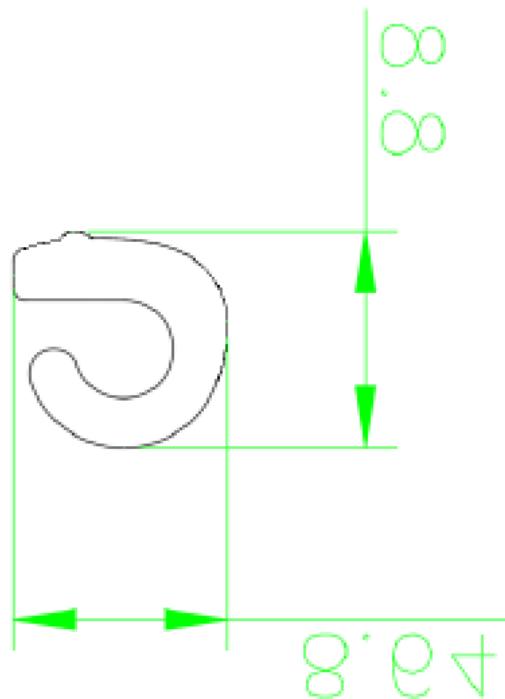
The Bluetooth module antenna is directly used on the FPC.

Manufacturer: Shenzhen HongPin Technology Co , Ltd.

Address : 73rd Floor, No. 5 Yongxin Street, Yingrenshi Community, Shiyan Street, Bao'an District, Shenzhen

2、Antenna shape

unit: mm



3、Antenna parameter

The Bluetooth antenna operates at 2400-2500 MHz and generates resonance in this band. The table below shows the main parameters of the antenna.

Frequency (MHz)	2400 ~ 2500 MHz
VSWR	≤ 0.06
Impedance	/
Return Loss	/
Radiation	Omni-directional
Gain (Peak)	-10.59dBi
Polarization	Linear, Vertical
Admitted Power	/
Connector	/
Antenna type	FPCB ANT

4、Antenna gain report

Spectrum Detector:
Test By:
Test Result:
Modulation:

PK
Mark
PASS
GFSK

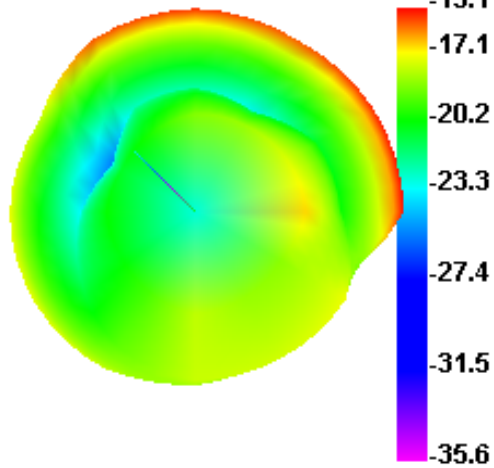
Test Date :
Temperature :
Humidity :

FJuly 24, 2026携
25℃
52 %

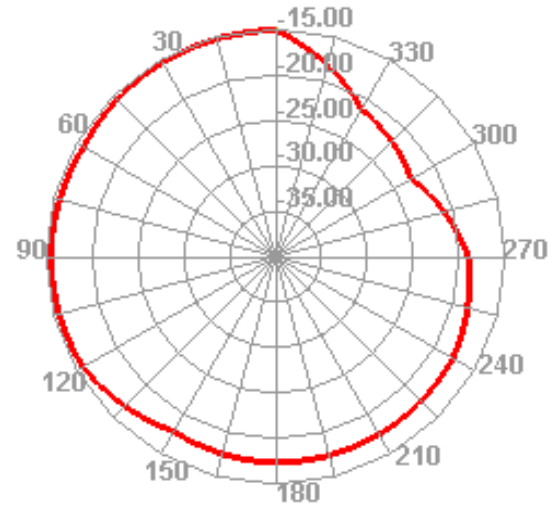
Passive Test For WII2.4		
Frequency (Mhz)	Efficiency (%)	Gain(dB)
2400	1.37	-15.09
2410	1.54	-14.69
2420	2.55	-12.45
2430	1.88	-13.68
2440	1.83	-13.76
2450	2.73	-12.15
2460	2.21	-13.01
2470	2.46	-12.4
2480	3.55	-10.59
2490	3.18	-10.98
2500	2.37	-12.07

3D/2D Pattern

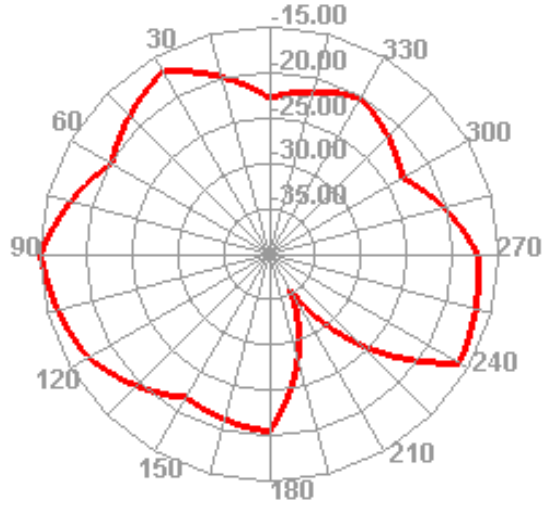
2400.000MHz



2400.000MHz H



2400.000MHz E1



2400.000MHz E2

