
Antenna specification

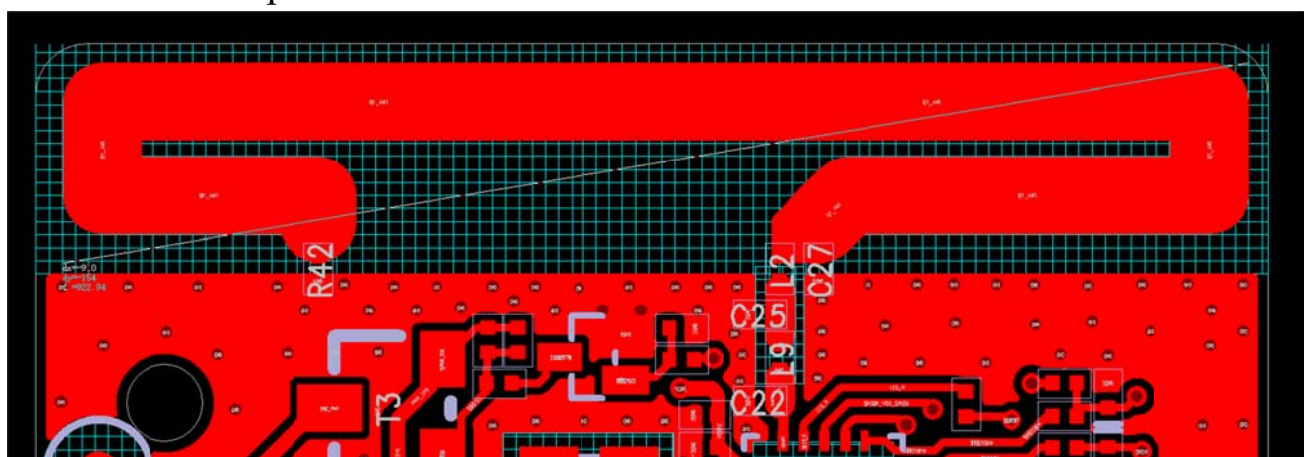
1、Antenna introduction

The Bluetooth module antenna is directly used on the PCB.

Manufacturer: Shenzhen Jimi IoT Co.,Ltd.

Address : Room 402, Building A, Shenzhen International Innovation Valley, No. 7, Dashiyi Road,
Xili Community, Xili Street, Nanshan District, Shenzhen (Floors 3-4, Building A)

2、Antenna shape



Antenna Size:23.11*3.91mm

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.

AntennaModel	PCB-PB720
Antenna type	LOOP
Frequency (MHz)	2400-2500MHz
VSWR	≤ 2.0

Radiation	Omni-directional
Impedance	50 Ohm
Gain (Peak)	3.94dBi
Polarization	Linear
Admitted Power	1W
Connector	integrated

4、Antenna Gain& Efficiency

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.57	3.36	44.00
2410.0	-3.69	3.26	42.79
2420.0	-3.56	3.43	44.07
2430.0	-3.58	3.46	43.89
2440.0	-3.65	3.47	43.14
2450.0	-3.51	3.70	44.59
2460.0	-3.55	3.72	44.19
2470.0	-3.52	3.79	44.45
2480.0	-3.59	3.74	43.73
2490.0	-3.43	3.94	45.38
2500.0	-3.57	3.92	43.93

Antenna radiation pattern:

