
Antenna specification

1、Antenna introduction

The Bluetooth module antenna is directly used on the PCB.

Manufacturer: ZHUHAI JIELI TECHNOLOGY CO.,LTD

Address : 2, No. 47 Qiaolin Street, Tianhe North Road, Tianhe District, Guangzhou City

Model: BT ANT

2、Antenna shape



3、Antenna parameter

The Bluetooth antenna operates at 2402-2480 MHz and generates resonance in this band. The table below shows the main parameters of the antenna.

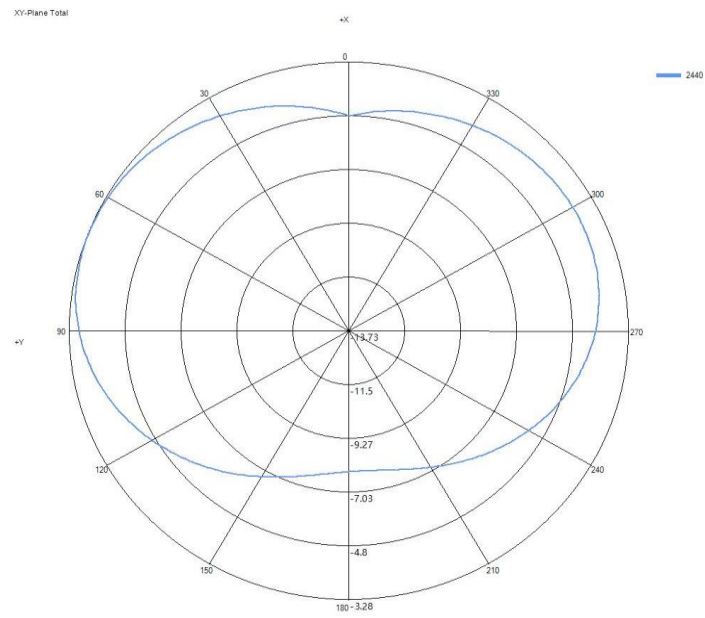
Frequency (MHz)	2402 ~ 2480 MHz
VSWR	≤ 1.95
Impedance	50 Ohm Nominal
Return Loss	-15 dB Max
Radiation	Omni-directional
Gain (Peak)	-3 dBi
Polarization	Linear, Vertical
Admitted Power	1MW
Connector	Tin

4、Antenna gain

Frequency (MHz)	Gain (dBi)
2400MHz	-3.15
2410MHz	-3.27
2420MHz	-3.19
2430MHz	-3.06
2440MHz	-3.00
2450MHz	-3.34
2460MHz	-3.27
2470MHz	-3.39
2480MHz	-3.45
2490MHz	-3.41
2500MHz	-3.30

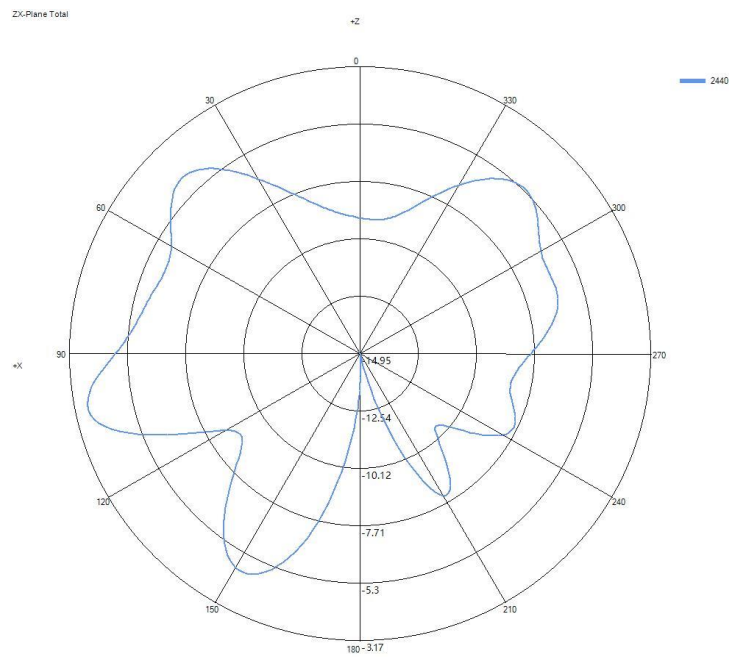
5、Antenna pattern

XY-plane



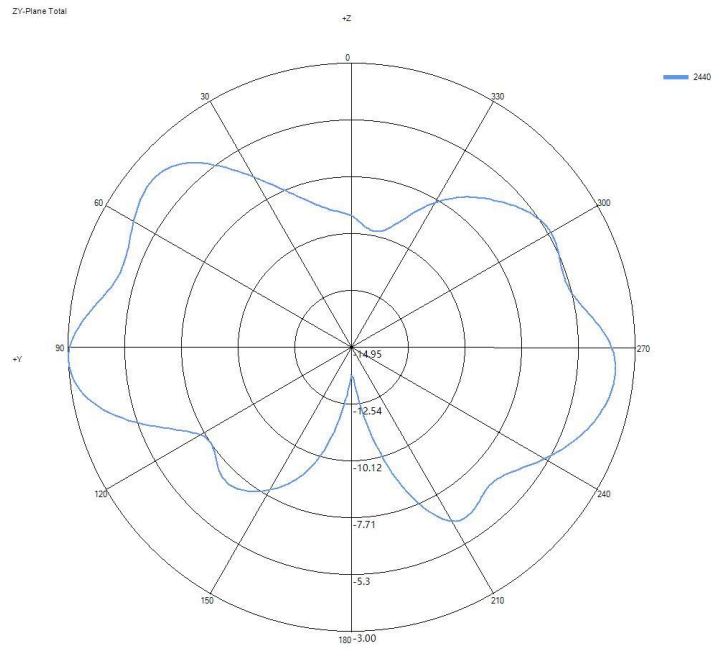
2440MHz

XZ-plane



2440MHz

YZ-plane



2440MHz