

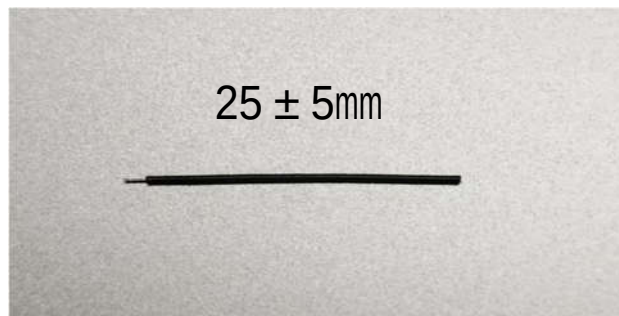
# Specification of Bluetooth antenna

## 1. Introduction of antenna

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The Bluetooth module antenna is directly welded on the PCB board.

## 2. Antenna Shape



## 3.

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

|                |                |
|----------------|----------------|
| Frequency(MHz) | 2400~2500MHz   |
| VSWR           | $\leq 1.92$    |
| Impedance      | 50 Ohm Nominal |
| Return Loss    | -10 dB Max     |

|                |                  |
|----------------|------------------|
| Radiation      | Omni-directional |
| Gain(Peak)     | 0dBi             |
| Polarization   | Linear,Vertical  |
| Admitted Power | 2w               |
| Connector      | Tin              |
|                |                  |
|                |                  |
|                |                  |
|                |                  |
|                |                  |
|                |                  |
|                |                  |
|                |                  |

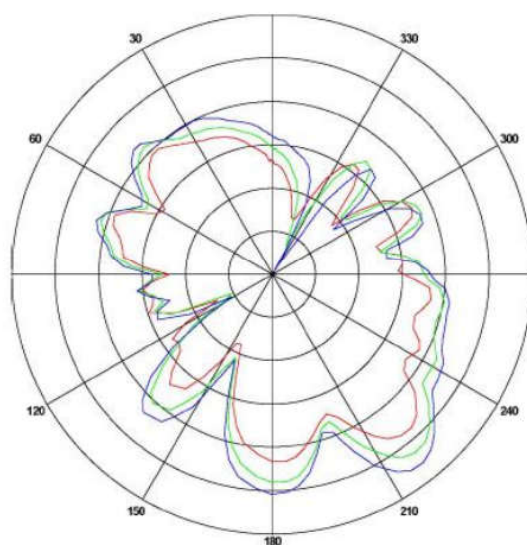
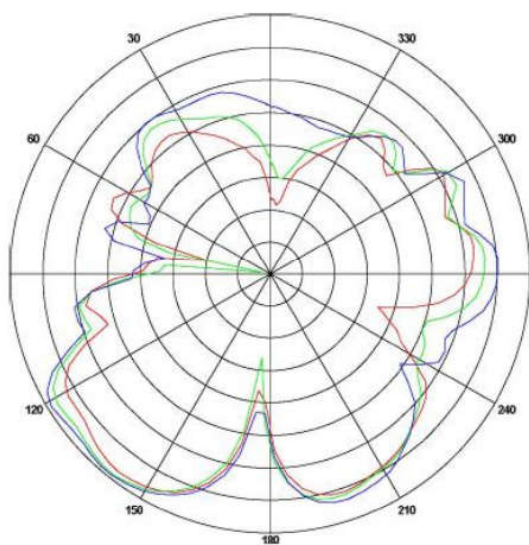
#### 4. gain and efficiency

| Frequency | Gain(dBi) | Efficiency(%) |
|-----------|-----------|---------------|
| 2400MHz   | 0         | 35            |
| 2420MHz   | -0.12     | 35            |
| 2440MHz   | -0.22     | 35            |
| 2460MHz   | -0.59     | 35            |
| 2480MHz   | -0.69     | 35            |
| 2450MHz   | -0.72     | 35            |

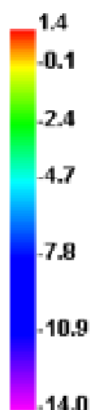
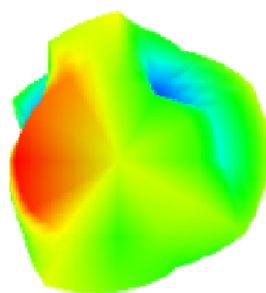
#### 5. Manufacturer and model

Shenzhen dongxintong electronic technology co., ltd

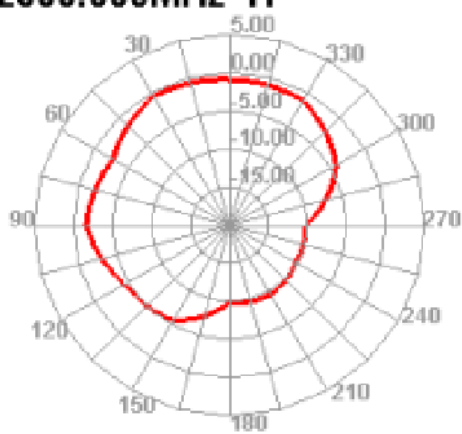
BT ANT



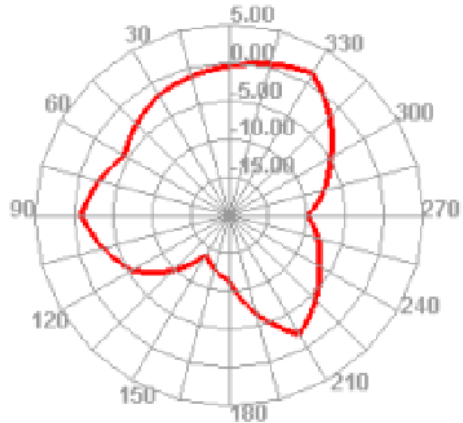
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

