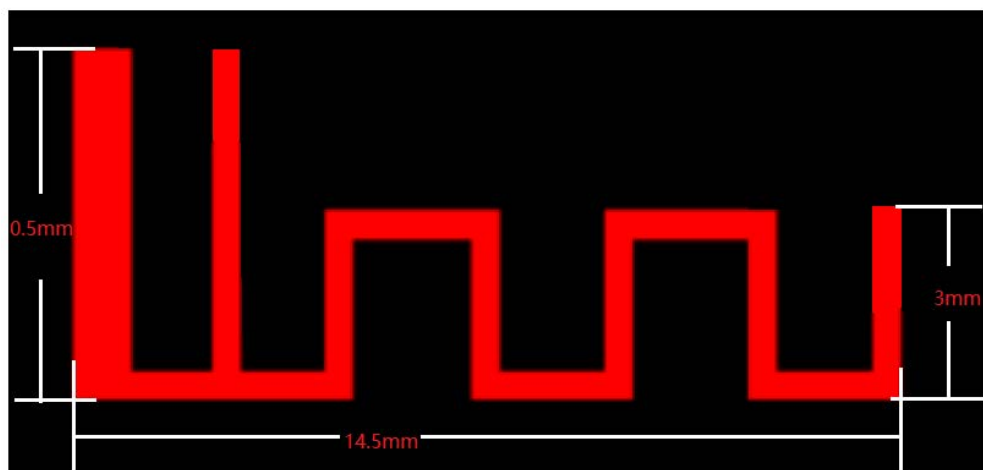


## Product specification

### Quick Reference

|                           |                                                                                                                        |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|--|
|                           | Antenna model information                                                                                              |  |
| Antenna Type              | PCB                                                                                                                    |  |
| Frequency                 | 2402-2480MHz                                                                                                           |  |
| Ant. Port Input Pwr.(dBm) | 0(Typ.BT class 2 output power)                                                                                         |  |
| Tot.Rad.Pwr.(dBm)         | -5.8(Input pwr-loss pwr)                                                                                               |  |
| Peak EIRP(dBm)            | -2.9                                                                                                                   |  |
| Directivity(dBi)          | 1(all direction antenna)                                                                                               |  |
| Efficiency(dB)            | -5.8(26.03%)                                                                                                           |  |
| Gain(dBi)                 | 1.2(Peak Gain XY-plane)                                                                                                |  |
| Maximum Power(dBm)        | -2.9(XY-plane)                                                                                                         |  |
| Minimum Power(dBm)        | -7.9(XY-plane)                                                                                                         |  |
| Average Power(dBm)        | -4.5(XY-plane)                                                                                                         |  |
| Max/Min Ratio(dB)         | 5(XY-plane)                                                                                                            |  |
| Max/Avg Ratio(dB)         | 1.6(XY-plane)                                                                                                          |  |
| Min/Avg Ratio(dB)         | -3.4(XY-plane)                                                                                                         |  |
| Average Gain(dB)          | -4.5(Avg Gain XY-plane)                                                                                                |  |
| Antenna Mode              | GFSK DQPSK                                                                                                             |  |
| Manufacture               | Shen Zhen Bluetrum Technology Co., Ltd.                                                                                |  |
| Address                   | Building A 1301-1, Smart Plaza, No. 4068 Qiao xiang Road,<br>Gaofa Community, Shahe Street, Nanshan District, Shenzhen |  |

### Antenna module & Size

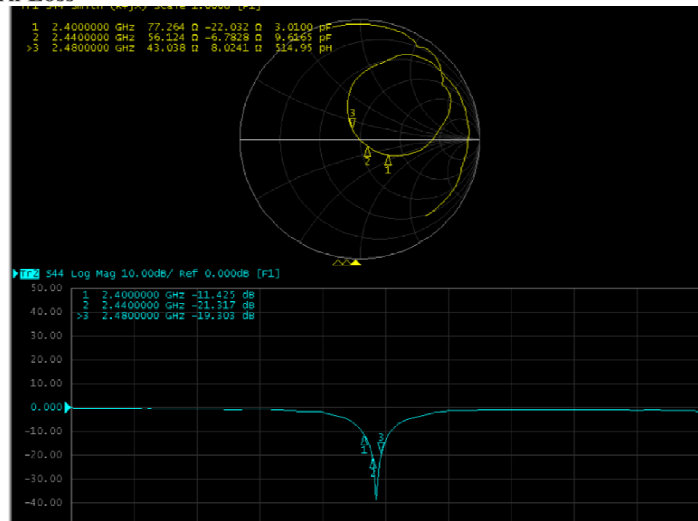


### Antenna Gain

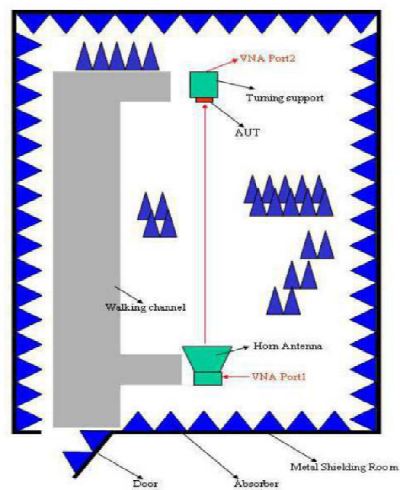
Gain Table

| Unit in dB@ 2440MHz | XY-plane |      | XZ-plane |      | YZ-plane |      | Efficiency |
|---------------------|----------|------|----------|------|----------|------|------------|
|                     | Peak     | Avg  | Peak     | Avg  | Peak     | Avg  |            |
|                     | 1.2      | -1.5 | -3.7     | -6.9 | -2.9     | -6.1 |            |

## Return Loss



## The Environment of Antenna Radiation Pattern



## 3D radiation pattern diagram

2440MHz

