

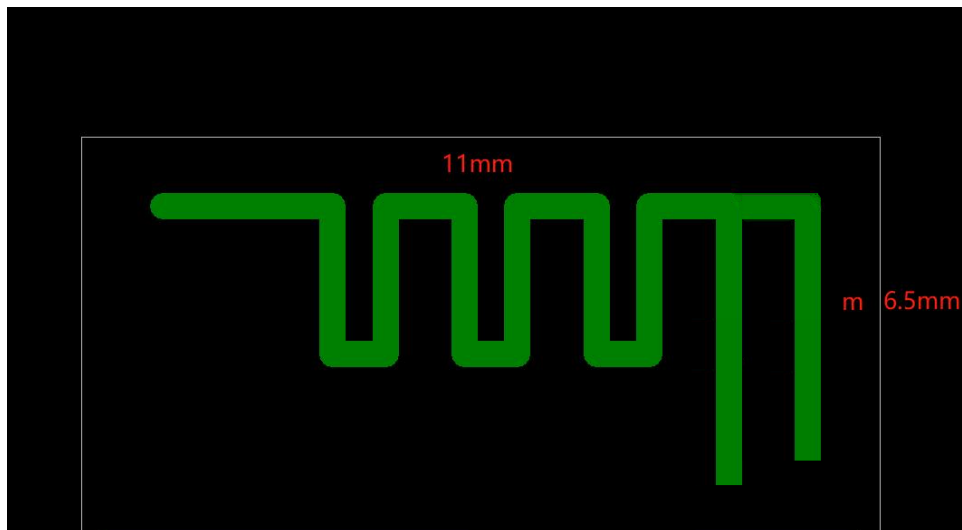
## **Product specification**

### **Quick Reference Date**

|                            |                                  |  |
|----------------------------|----------------------------------|--|
| Antenna Type               | PCB                              |  |
| Frequenc Range             | 2400 ~ 2500GHz                   |  |
| Ant. Port Input Pwr. (dBm) | 0 (Typ. BT class 2 output power) |  |
| Peak EIRP(dBm)             | -1.2                             |  |
| Directivity (dBi)          | 1 (all direction antenna)        |  |
| Input Impedence(ohm)       | 50                               |  |
| Polarization Type          | V ertical & Horizontal           |  |
| V . S . W . R              | < 3                              |  |

All the technical data and information contained herein are subject to change without prior notice

### **Antenna Layout & module on the system board**



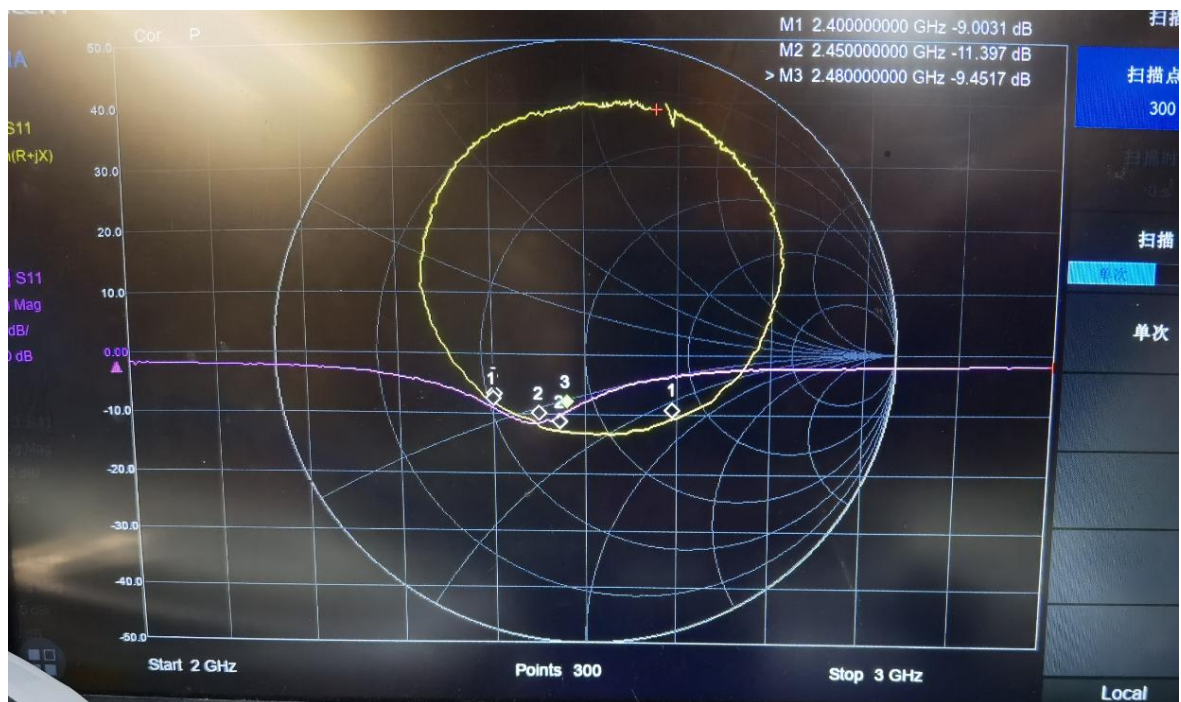
### **Antenna Gain**

| Freq(Mhz) | Max(dB) | Min(dB) | Gain(dBi) | Effi(%) |
|-----------|---------|---------|-----------|---------|
| 2402      | -0.24   | -16.8   | -0.24     | 31      |
| 2440      | 0.1     | -15.6   | 0.1       | 33      |
| 2480      | -0.41   | -19.7   | -0.41     | 29      |

## ERP

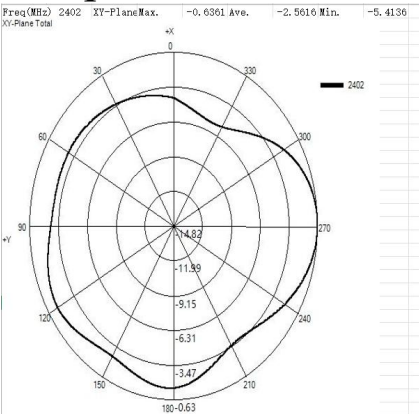
| Freq(Mhz) | TRP (dBm)    | NHPRP±45/NHPIS±45 (dBm) | NHPRP±30/NHPIS±30 (dBm) |
|-----------|--------------|-------------------------|-------------------------|
| 2402      | -4.439329833 | -5.472563248            | -6.58401478             |
| 2440      | -4.833811857 | -5.845939228            | -6.932441487            |
| 2480      | -1.277852118 | -2.230627413            | -3.625901541            |

## Return Loss

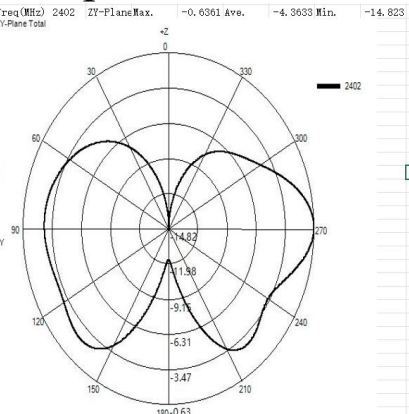


2D radiation pattern diagram

XY-plane



XZ-plane



YZ-plane

