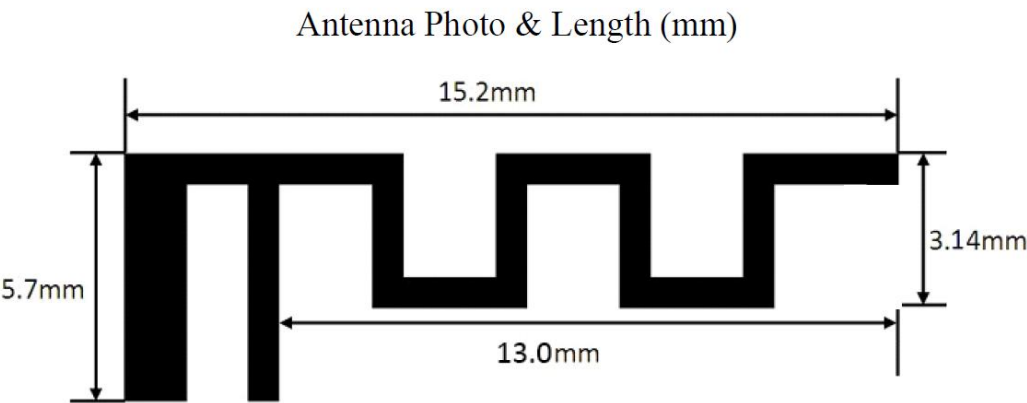


Antenna Specification

1. Antenna describe:

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Antenna gain       | -1.37 dBi                                                                                                          |
| Bluetooth solution | AC6951C                                                                                                            |
| Frequency range    | 2.402GHZ-2.480GHZ                                                                                                  |
| Connector type     | Direct                                                                                                             |
| Model Name         | 2.4G F ANT                                                                                                         |
| Impedance          | 50 Ohm                                                                                                             |
| Antenna type       | PCB ANT                                                                                                            |
| Manufacture        | SHENZHEN ALANTE TECHNOLOGY CO LTD<br>No. 4, Lane 1, Changkeng Village, Bantian Street, Longgang District, Shenzhen |

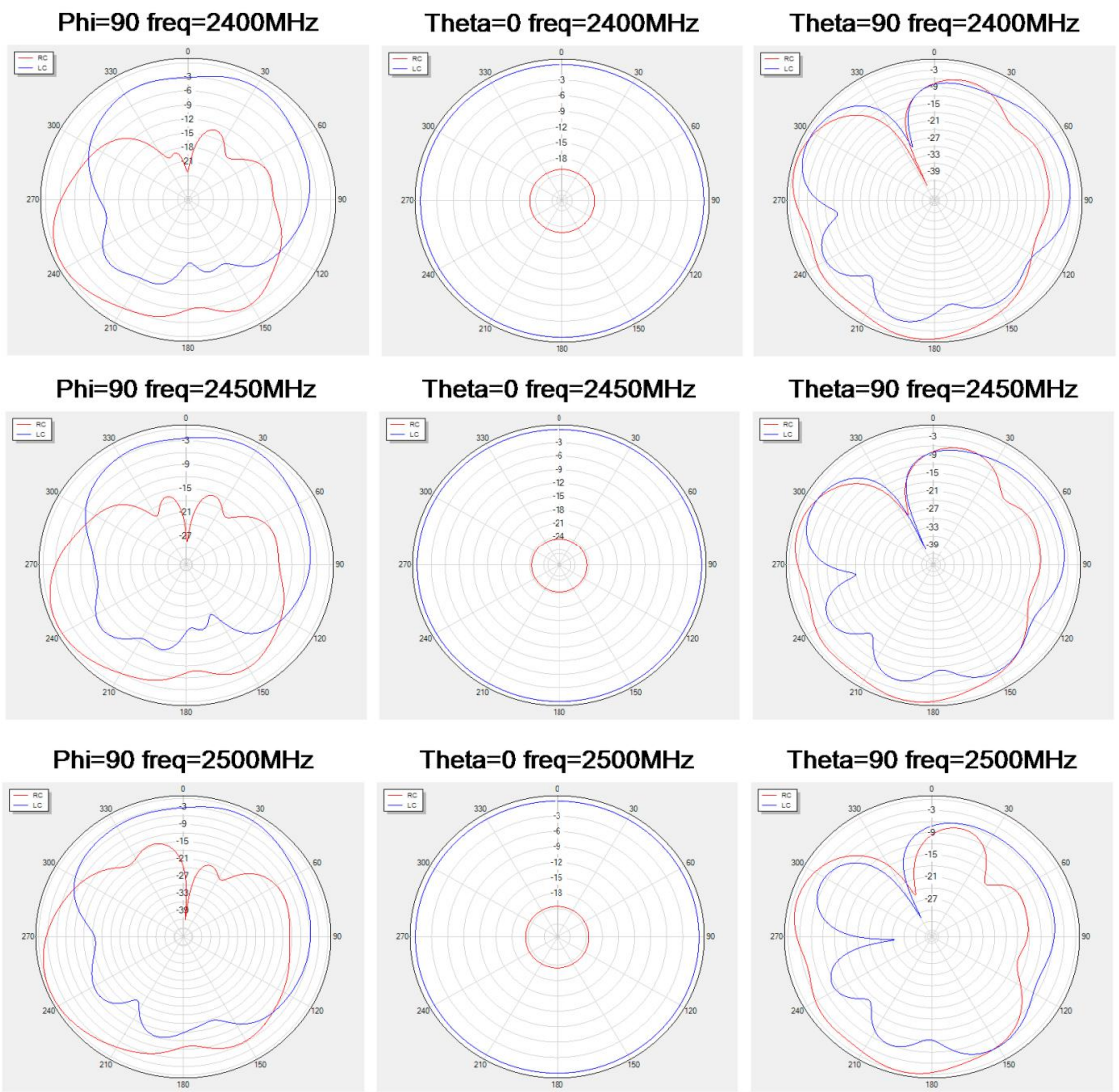
PCB Antenna size:



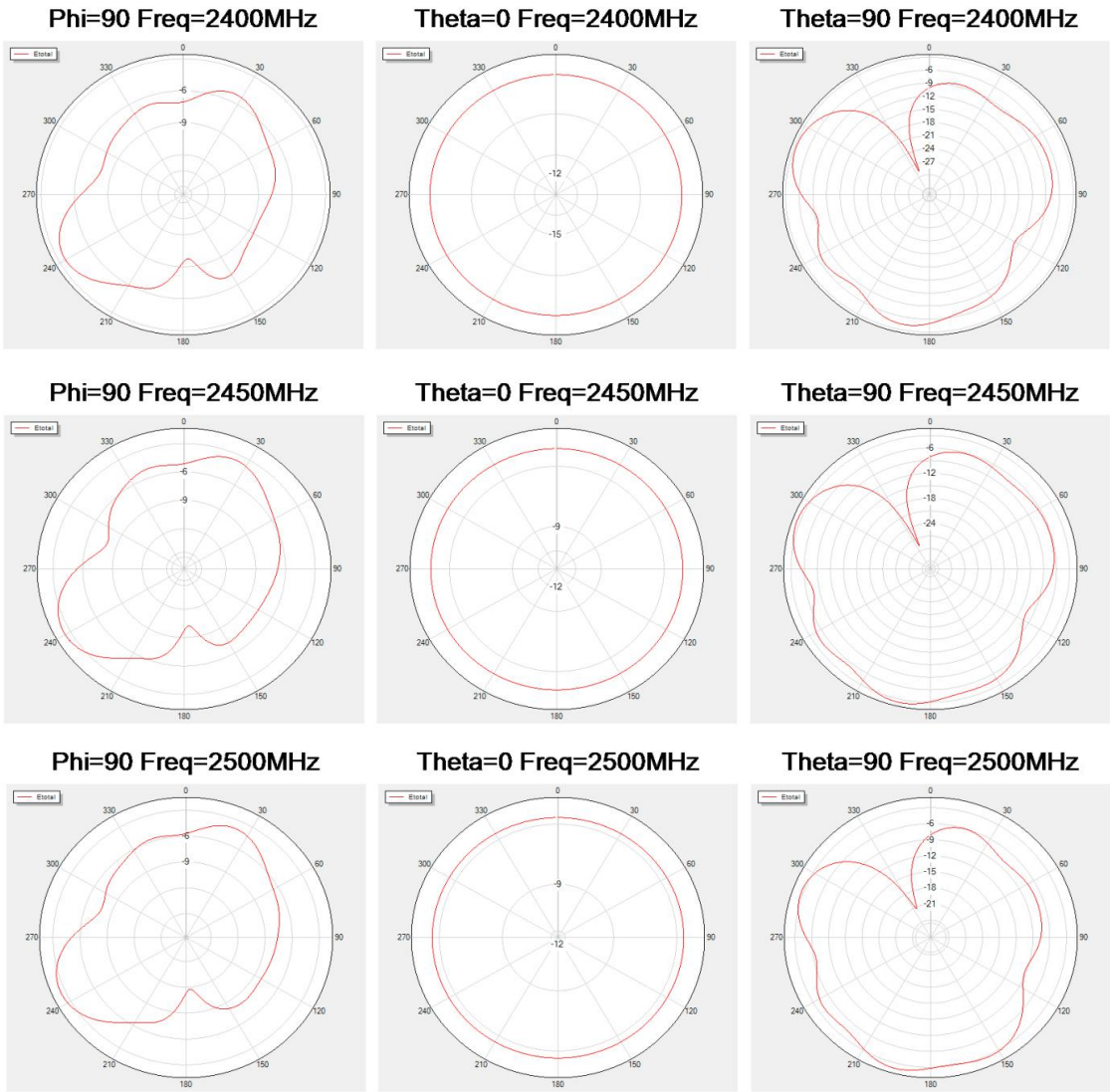
2. Antenna Radiation Pattern

| frequency<br>频率(MHz) | gain<br>增益(dBi) | gain<br>增益对应角度(°)     | CO Gain<br>主极化最大<br>增益(dBi) | CP Gain<br>交叉极化最大<br>增益(dBi) | efficiency<br>效率(dB) | efficiency<br>效率(%) |
|----------------------|-----------------|-----------------------|-----------------------------|------------------------------|----------------------|---------------------|
| 2400                 | -2.93           | $\psi=330,\theta=140$ | 0                           | 0                            | -6.68                | 21.48               |
| 2450                 | -1.37           | $\psi=309,\theta=56$  | 0                           | 0                            | -5.25                | 29.88               |
| 2500                 | -1.94           | $\psi=306,\theta=58$  | 0                           | 0                            | -5.27                | 29.68               |

PolarGraphs:



EttotalGraphs:



3D\_Graphs:

