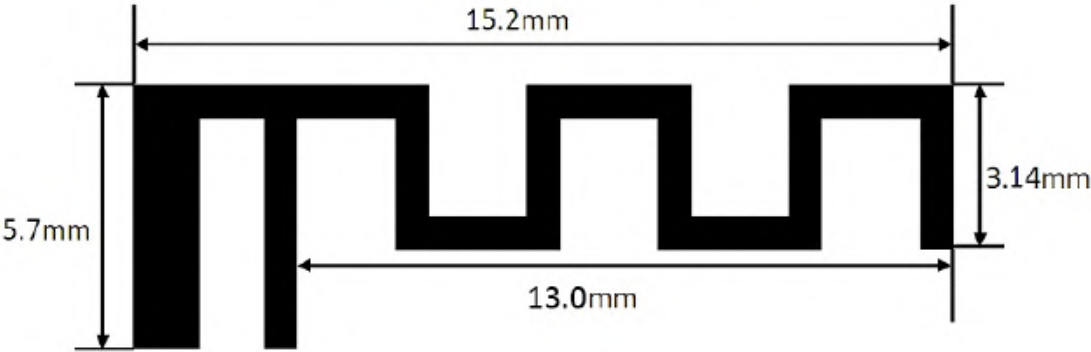


# Antenna Specification

## Summary

|                      |                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ITEM                 | ANT SPEC                                                                                                                                                      |
| Model Name           | PCB ANT                                                                                                                                                       |
|                      |                                                                                                                                                               |
| MAX. Gain            | 1.09dBi                                                                                                                                                       |
| Polarization         | Horizontal and Vertical                                                                                                                                       |
| Azimuth Beam Pattern | Omni-directional                                                                                                                                              |
| Impedance            | 50 Ohm                                                                                                                                                        |
|                      |                                                                                                                                                               |
| Manufacture          | Shenzhen Dingshenghe Technology Co., LTD<br>Room 409-413, Langshan Pavilion, Nanshan Cloud Valley Innovation Industrial Park, Nanshan District, Shenzhen City |

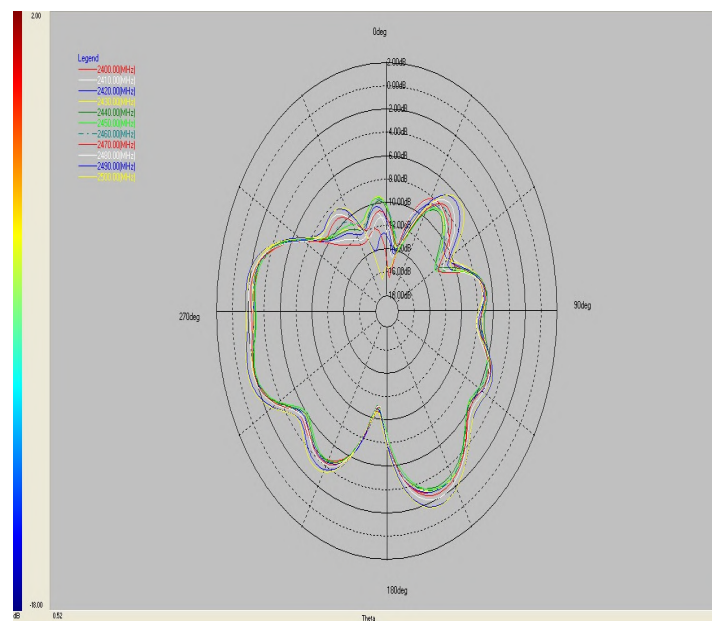
Antenna Photo & Length (mm)



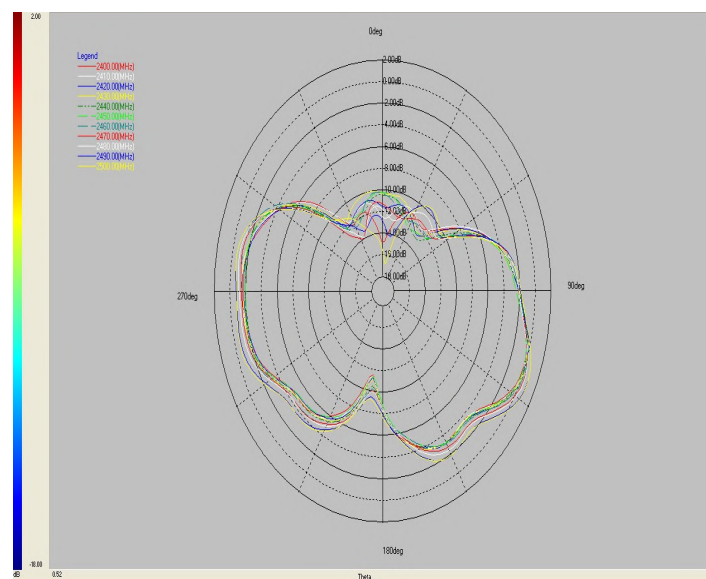
## 4. 2D Radiation characteristics of antenna

### 4.1 characteristics of antenna(VEC 03)

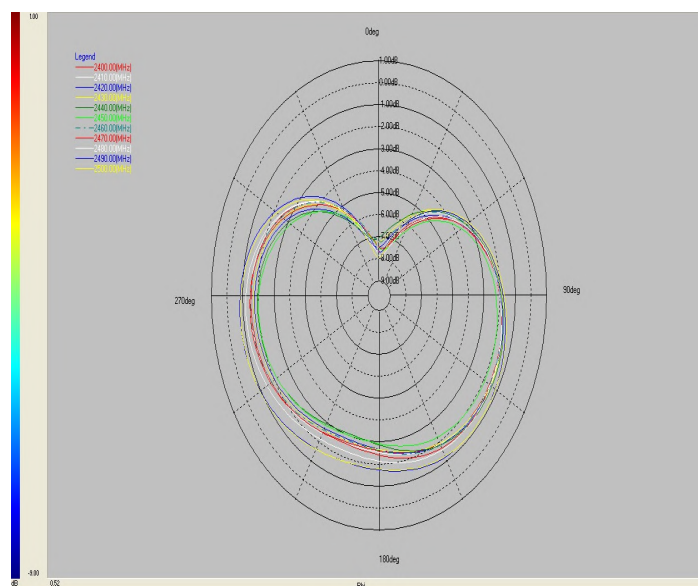
PHI 0°



PHI90°



THETA90°



| Frequency VNA<br>(MHz) | Gain (Peak)<br>(dBi) |
|------------------------|----------------------|
| 2400MHz                | 0.06                 |
| 2410MHz                | 0.01                 |
| 2420MHz                | 0.23                 |
| 2430MHz                | 0.14                 |
| 2440MHz                | 0.22                 |
| 2450MHz                | 0.05                 |
| 2460MHz                | 0.33                 |
| 2470MHz                | 0.54                 |
| 2480MHz                | 0.62                 |
| 2490MHz                | 1.09                 |
| 2500MHz                | 1.04                 |
|                        |                      |
|                        |                      |