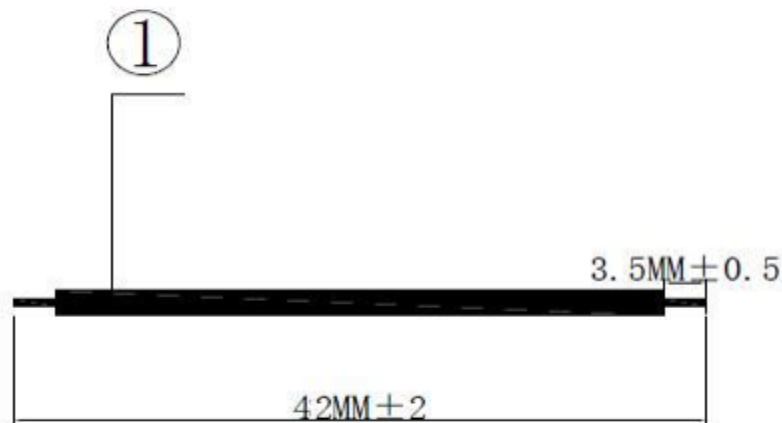


# Antenna Specifications

## 1. Summary

|                |                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------|
| Manufacturer   | Shenzhen Panlong Communication Technology Co., Ltd.                                                                        |
| Address        | 2nd Floor, 8, North Third Lane, Li Guang Water Plant, Guantian Community, Shiyuan Street, Bao'an District, Shenzhen, China |
| Antena Tye     | Monopole Antenna                                                                                                           |
| Antenna Model  | 2.4GHz ANT                                                                                                                 |
| Frequency Rang | 2400 – 2500 MHz                                                                                                            |
| VSWR           | $\leq 1.92$                                                                                                                |
| Impedance      | 50 ohms                                                                                                                    |
| Return Loss    | -10 dB Max                                                                                                                 |
| Radiation      | Omni-directional                                                                                                           |
| Gain (Peak)    | 0dBi                                                                                                                       |
| Polarization   | Linear, Vertical                                                                                                           |
| Admitted Power | 2W                                                                                                                         |
| Connector      | Tin                                                                                                                        |

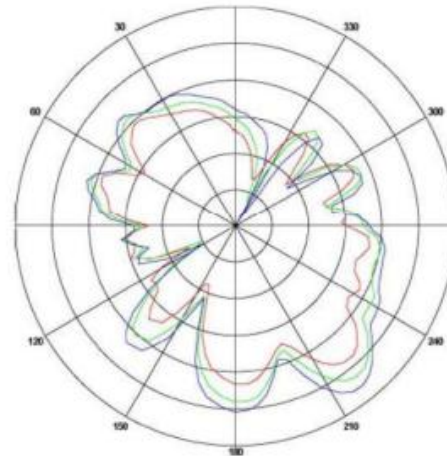
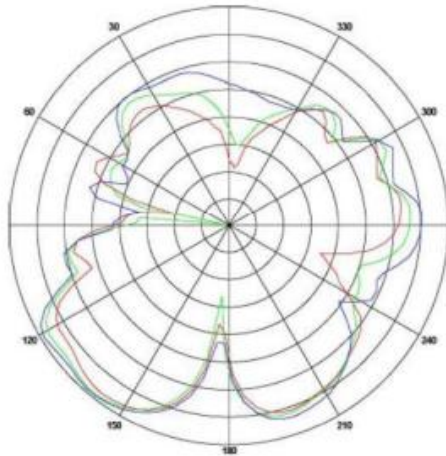
## 2. Antenna Dimension



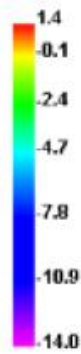
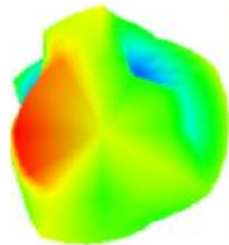
## 3. Gain and Efficiency

| Frequency (MHz) | Gain (dBi) | Efficiency (%) |
|-----------------|------------|----------------|
| 2400            | -0.77      | 33             |
| 2410            | -0.61      | 34             |
| 2420            | -0.42      | 34             |
| 2430            | -0.22      | 35             |
| 2440            | -0.12      | 37             |
| 2450            | 0          | 39             |
| 2460            | -0.16      | 38             |
| 2470            | -0.21      | 36             |
| 2480            | -0.38      | 36             |
| 2490            | -0.55      | 34             |
| 2500            | -0.69      | 33             |

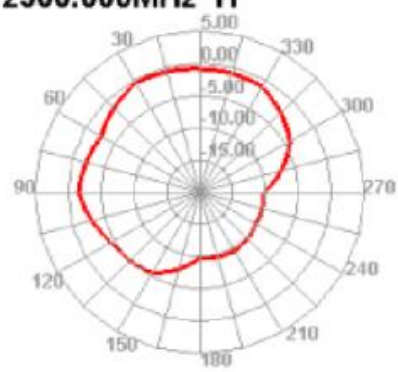
#### 4. Radiation Pattern



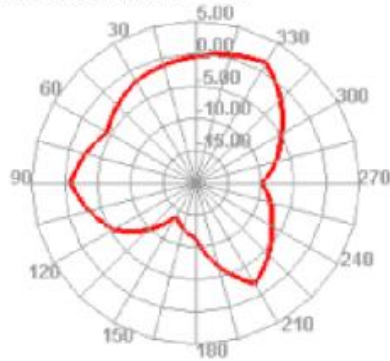
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

