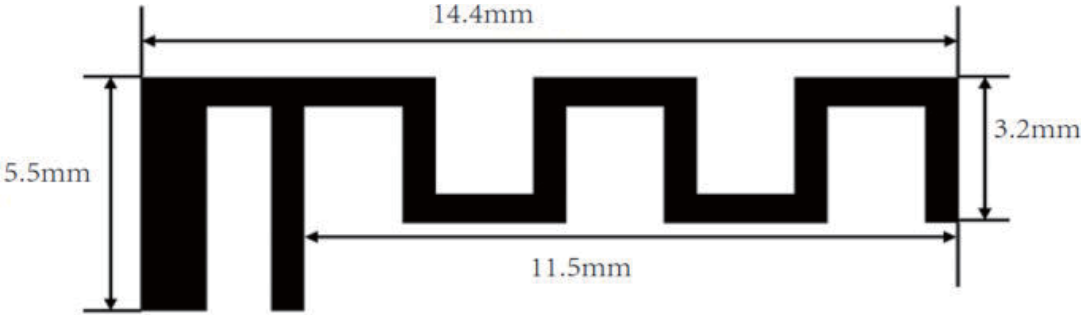


# ANTENNA SPECIFICATION

## Summary

| ITEM                 | ANT SPEC                                                                       |         |         |          |         |         |
|----------------------|--------------------------------------------------------------------------------|---------|---------|----------|---------|---------|
| Model Name           | 2.4G ANT                                                                       |         |         |          |         |         |
| Center Frequency     | Horizontal                                                                     |         |         | Vertical |         |         |
|                      | 2400MHz                                                                        | 2400MHz | 2500MHz | 2400MHz  | 2400MHz | 2500MHz |
|                      | -1.73                                                                          | -0.84   | -0.58   | -6.1     | -3.70   | -2.32   |
| MAX. Gain            | -0.58                                                                          |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                                                        |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                                                               |         |         |          |         |         |
| Impedance            | 50 Ohm                                                                         |         |         |          |         |         |
| Antenna Length       | 38.88mm                                                                        |         |         |          |         |         |
| Manufacture          | Dongguan Xing Yue Electronic co., Ltd                                          |         |         |          |         |         |
| Address              | #98 LiWu Swan Industrial District, Qiao Tou Town, Dong Guan, Guang Dong, China |         |         |          |         |         |

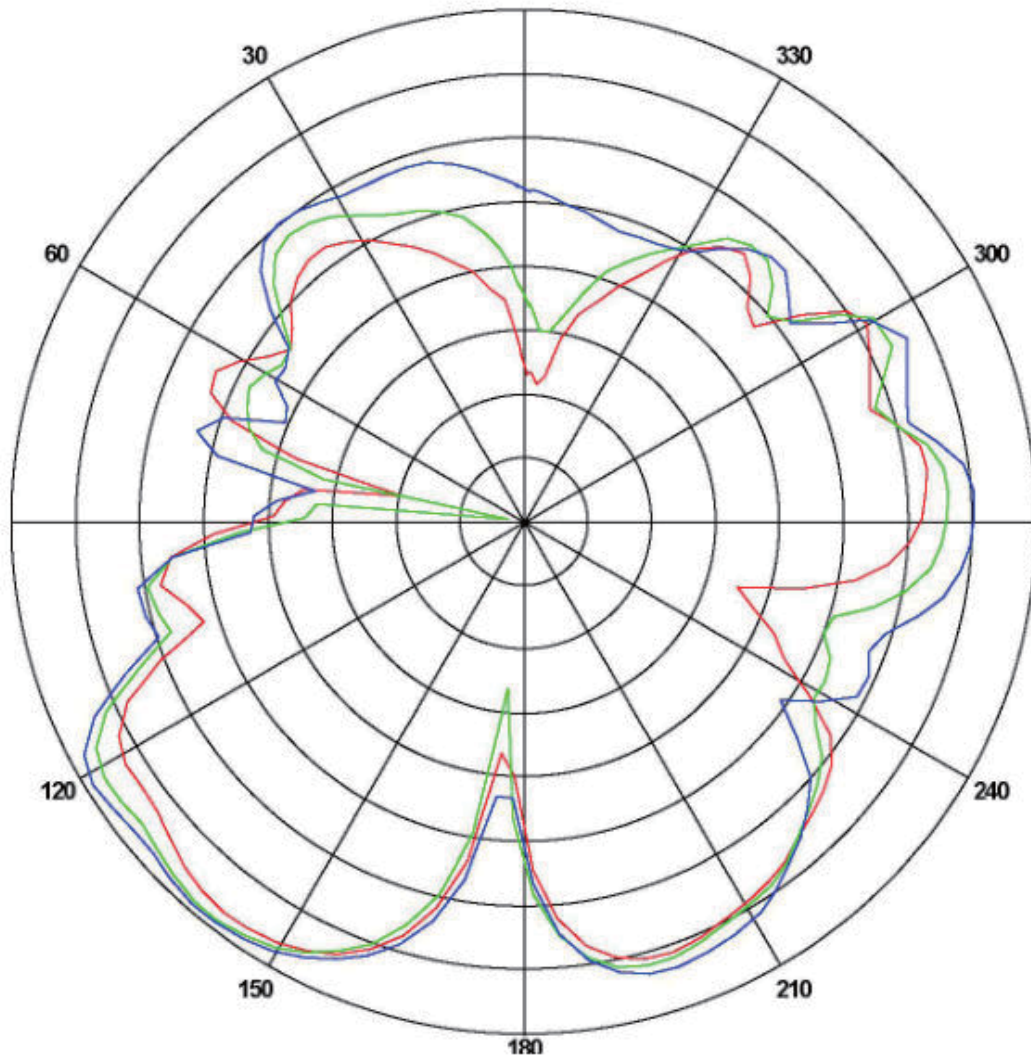
Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -40 Scale: 5/div

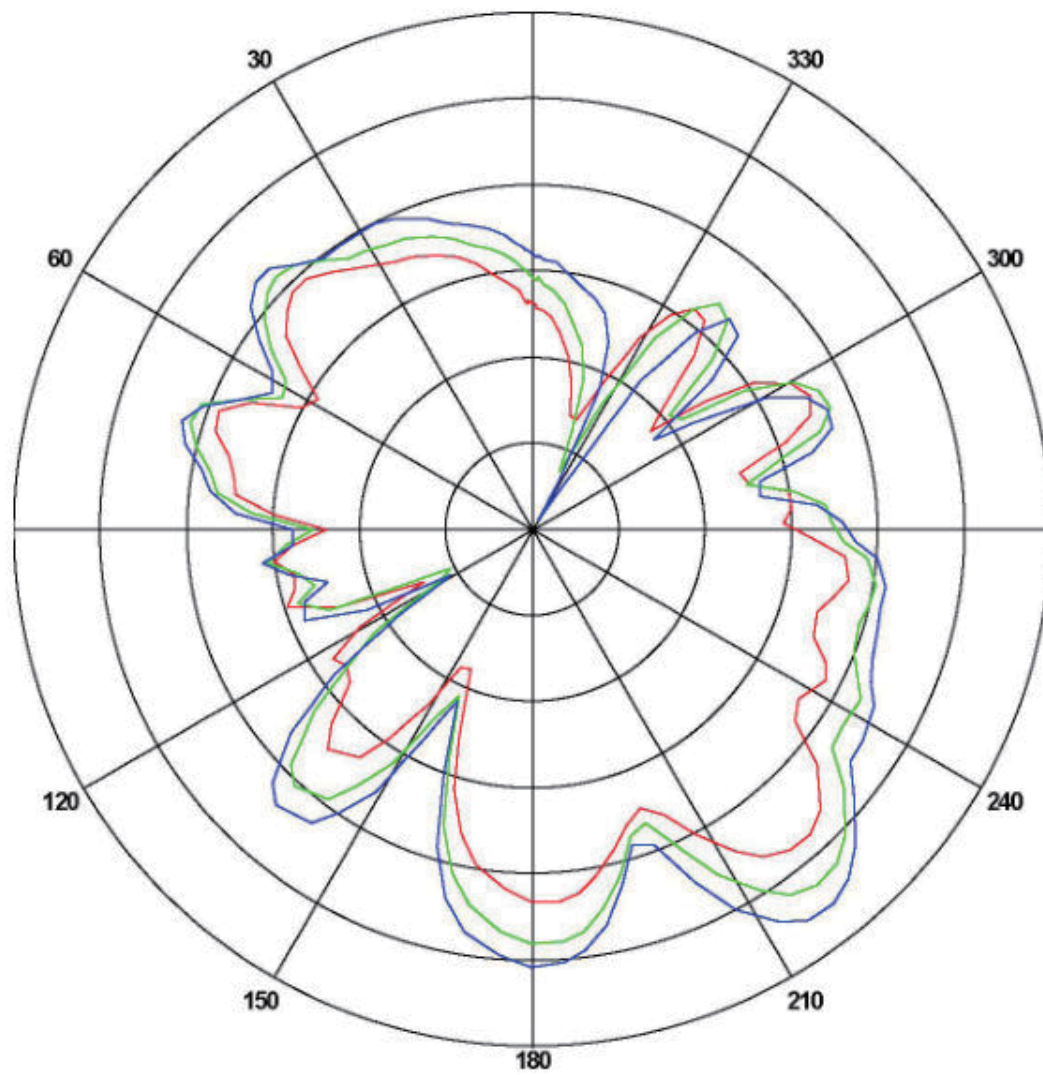


| Frequency<br>(MHz) | Gain(dB)  |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.73178  | -30.0815 | -8.48713 |
| 2450               | -0.845801 | -38.5605 | -7.88012 |
| 2500               | -0.585586 | -24.0318 | -6.79139 |

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dB) |          |          |
|--------------------|----------|----------|----------|
|                    | Max      | Min      | Avg      |
| 2400               | -6.1530  | -24.1420 | -13.0295 |
| 2450               | -3.7054  | -26.5836 | -10.6700 |
| 2500               | -2.32122 | -30.4301 | -9.70536 |