

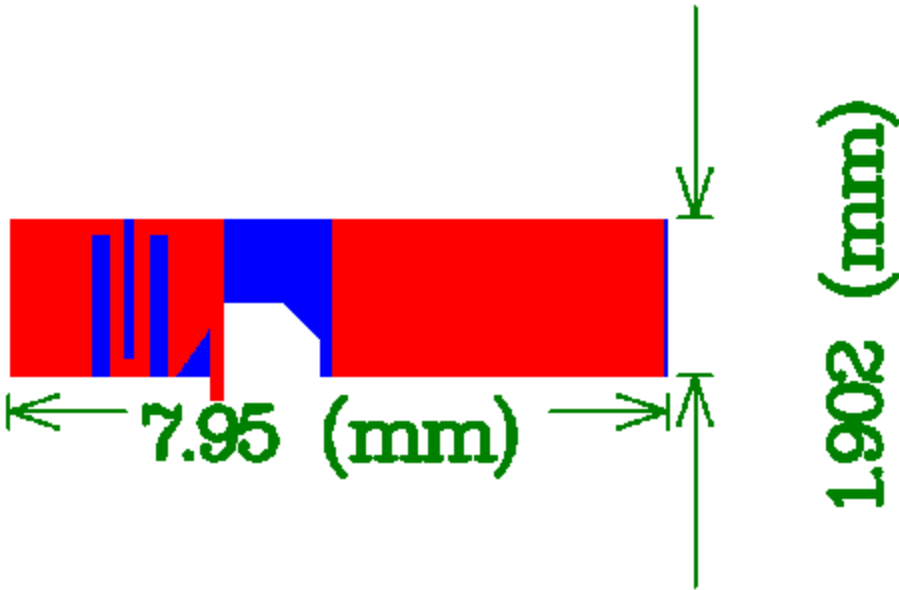
ANTENNA SPECIFICATION

PCB antenna

Summary

|                      |                                       |         |         |          |         |         |
|----------------------|---------------------------------------|---------|---------|----------|---------|---------|
| ITEM                 | ANT SPEC                              |         |         |          |         |         |
| Model Name           | 2.4G ANT                              |         |         |          |         |         |
| Center Frequency     | Horizontal                            |         |         | Vertical |         |         |
|                      | 2400MHz                               | 2400MHz | 2500MHz | 2400MHz  | 2400MHz | 2500MHz |
|                      | -1.73                                 | -0.84   | -0.68   | -6.15    | -3.70   | -2.32   |
| MAX. Gain            | -0.68 dbi                             |         |         |          |         |         |
| Polarization         | Horizontal and Vertical               |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                      |         |         |          |         |         |
| Impedance            | 50 Ohm                                |         |         |          |         |         |
| Antenna Length       | 38.88mm                               |         |         |          |         |         |
| Manufacture          | Shenzhen Doageas Technology Co., Ltd. |         |         |          |         |         |

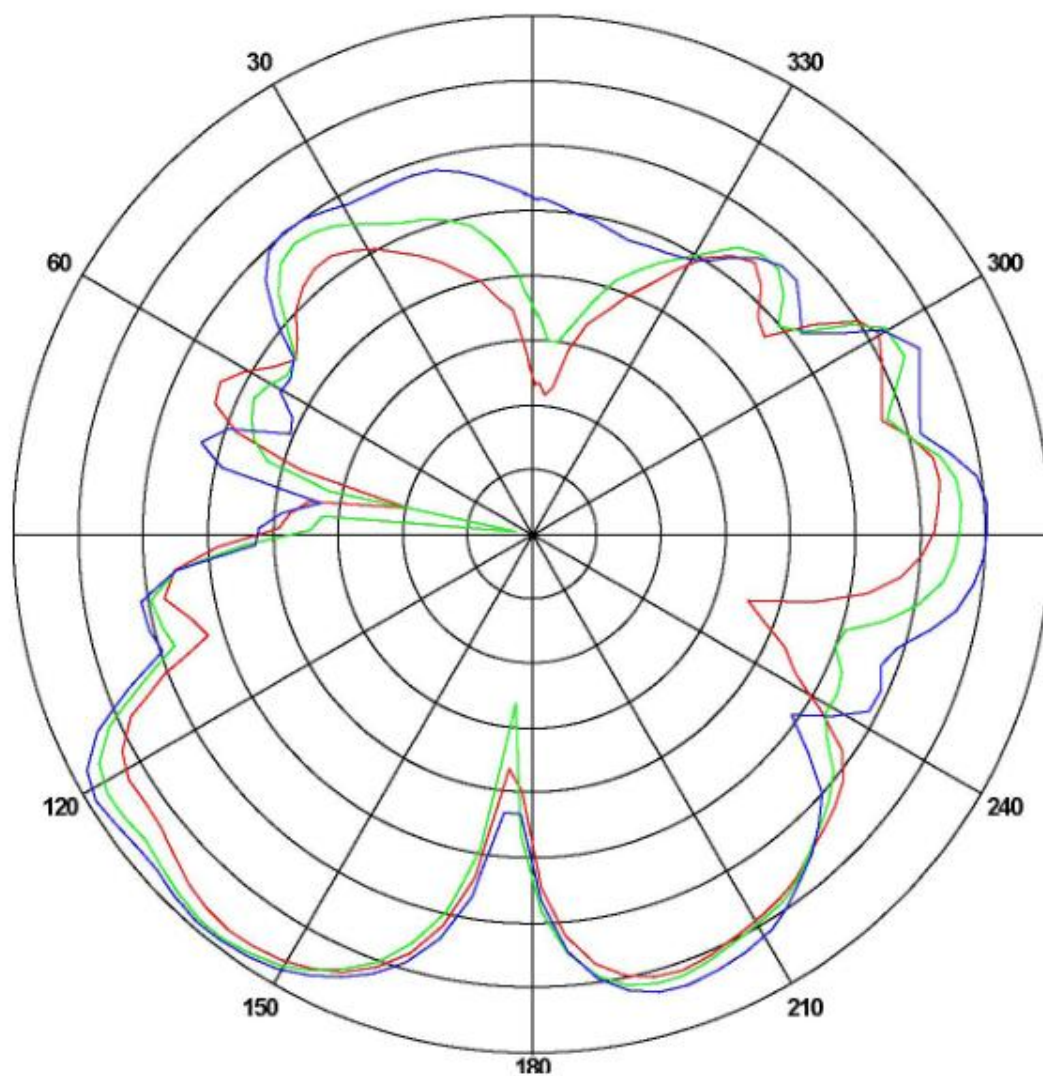
Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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

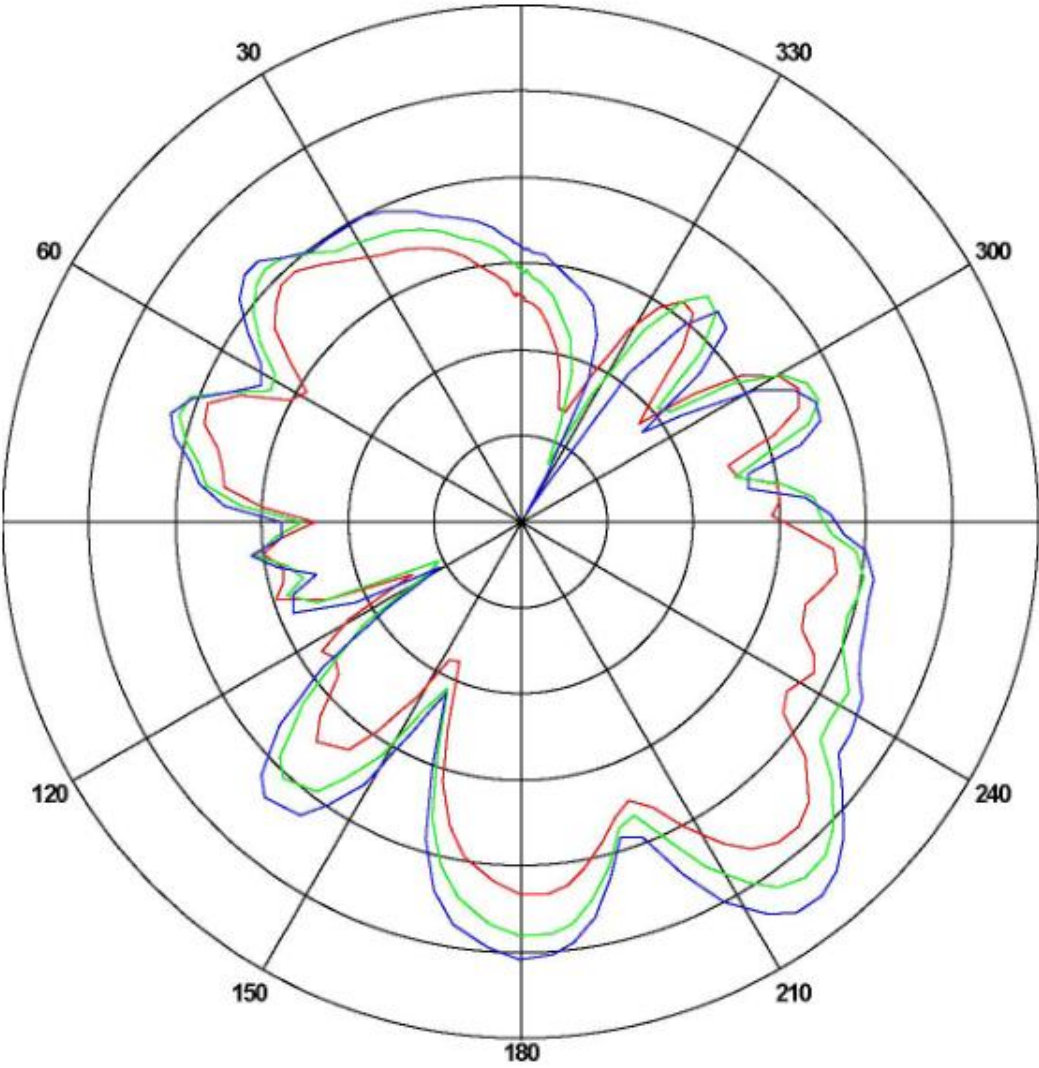


| Frequency<br>(MHz) | Gain(dbi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.73178  | -30.0815 | -8.48713 |
| 2450               | -0.845801 | -38.5605 | -7.88012 |
| 2500               | -0.685586 | -24.0318 | -6.79139 |

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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



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