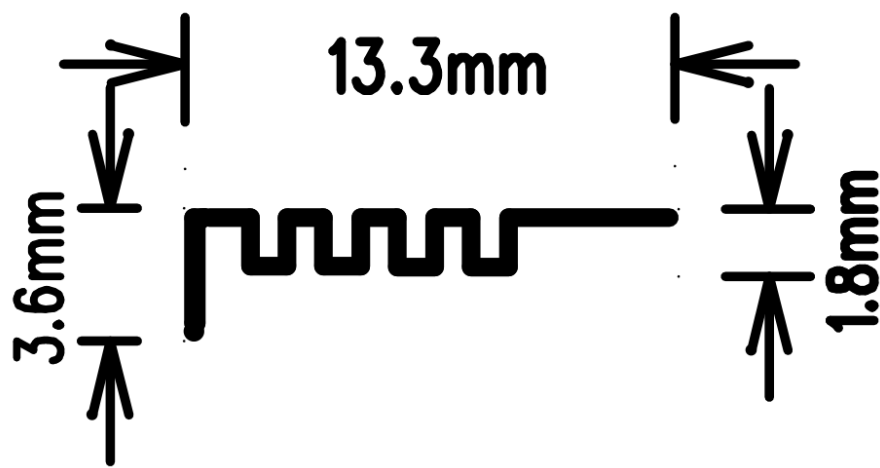


# ANTENNA SPECIFICATION

## Summary

|                      |                         |         |         |          |         |         |
|----------------------|-------------------------|---------|---------|----------|---------|---------|
| ITEM                 | ANT SPEC                |         |         |          |         |         |
| Model Name           | 2.4G ANT                |         |         |          |         |         |
| Center Frequency     | Horizontal              |         |         | Vertical |         |         |
|                      | 2400MHz                 | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                      | -1.73                   | -0.84   | -0.58   | -6.15    | -3.7    | -2.32   |
| MAX. Gain            | -0.58dBi                |         |         |          |         |         |
| Polarization         | Horizontal and Vertical |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional        |         |         |          |         |         |
| Impedance            | 50 Ohm                  |         |         |          |         |         |
| Antenna Length       | 36.82mm                 |         |         |          |         |         |
| Manufacture          |                         |         |         |          |         |         |

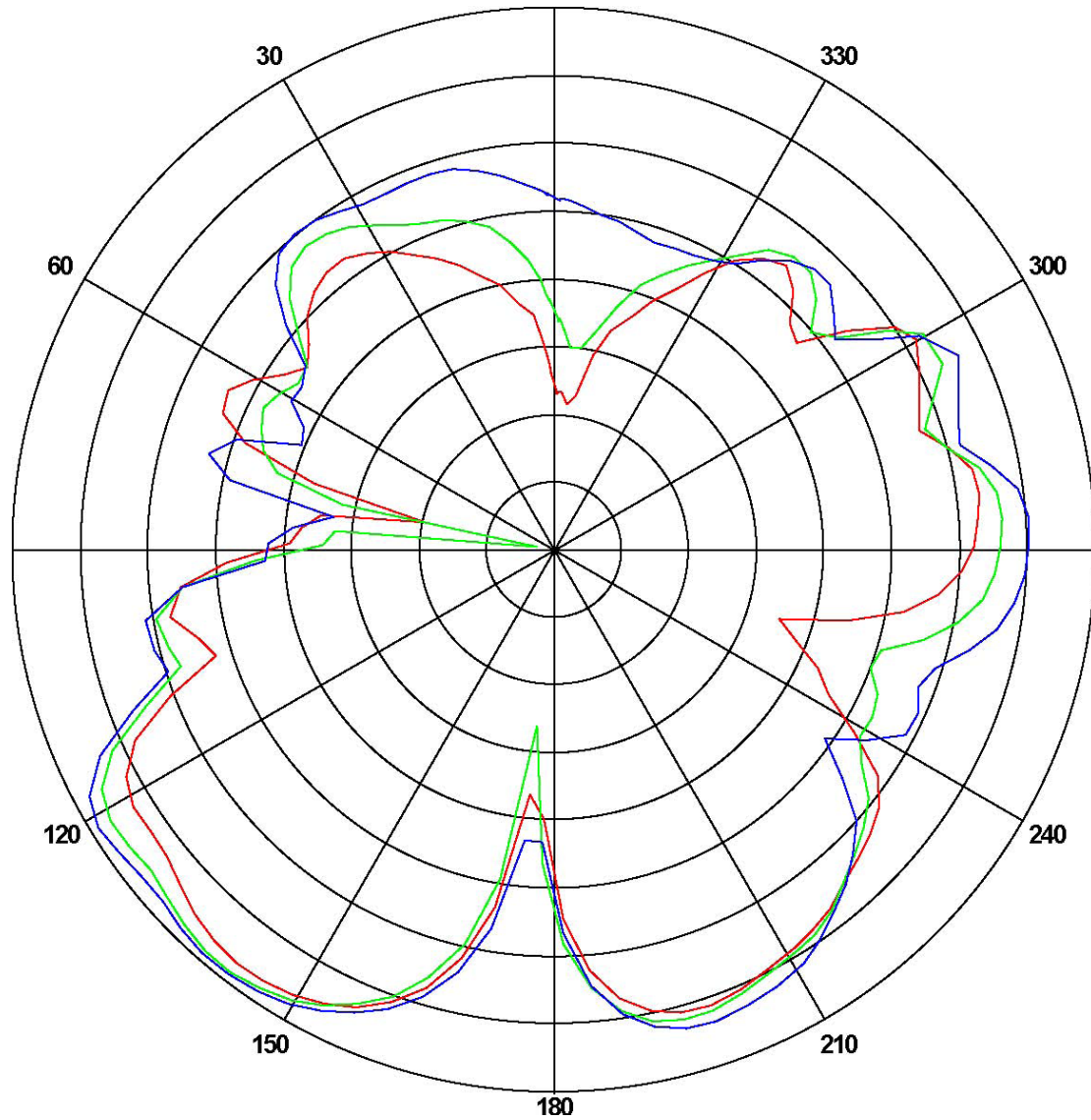
Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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

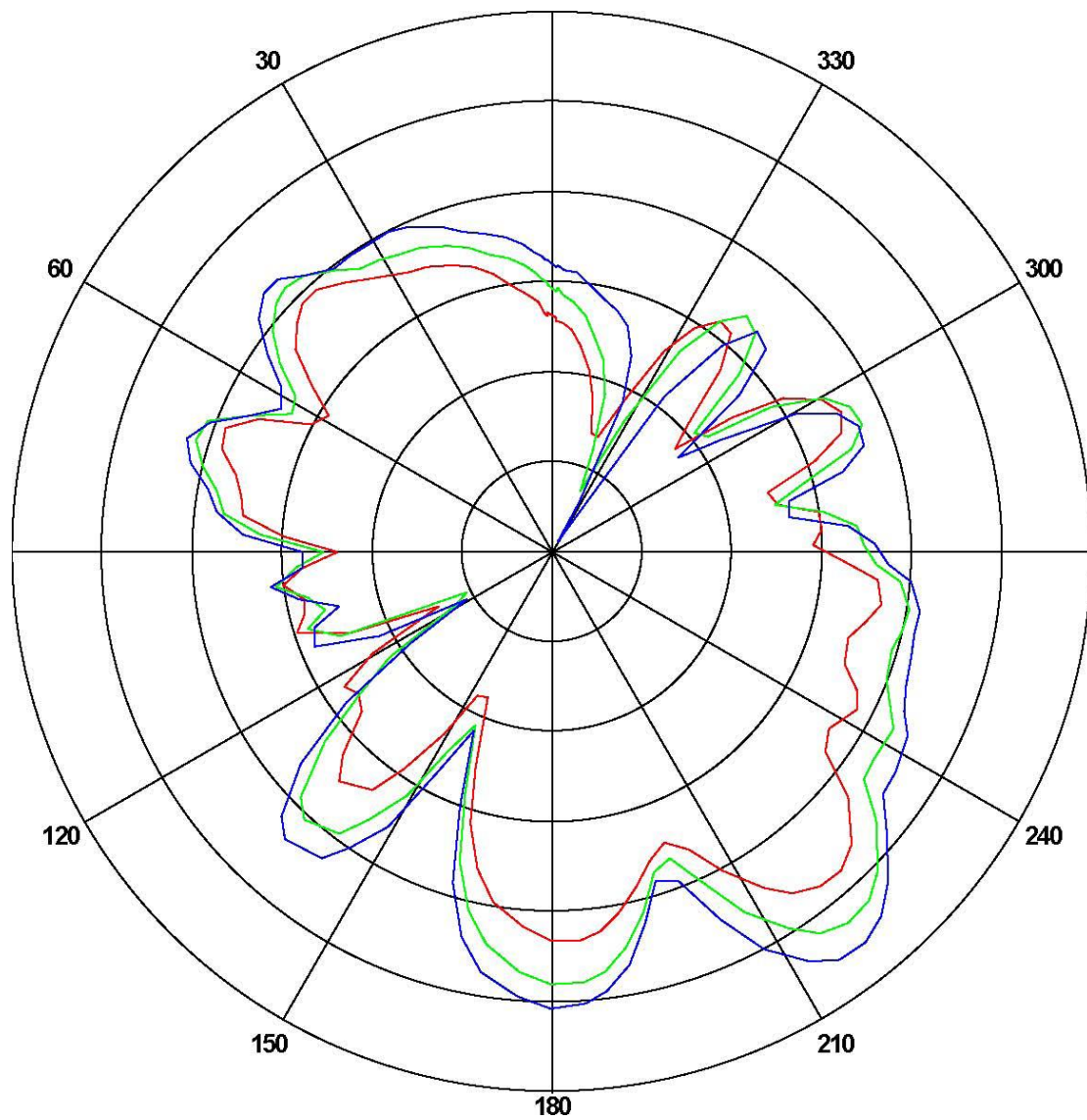


| Frequency<br>(MHz) | Gain (dB) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.73178  | -30.0815 | -8.48713 |
| 2450               | -0.845801 | -38.5605 | -7.88012 |
| 2500               | -0.584586 | -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               | -6.153    | -24.142  | -13.0295 |
| 2450               | -3.7054   | -26.5836 | -10.67   |
| 2500               | -2.32122  | -30.4301 | -9.70536 |