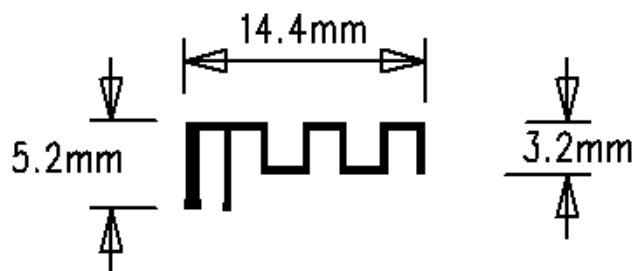


# ANTENNA SPECIFICATION

## Summary

| ITEM                    | ANT SPEC                                                                                       |         |         |          |         |         |
|-------------------------|------------------------------------------------------------------------------------------------|---------|---------|----------|---------|---------|
| Model Name              | 2.4G ANT                                                                                       |         |         |          |         |         |
| Center Frequency        | Horizontal                                                                                     |         |         | Vertical |         |         |
|                         | 2400MHz                                                                                        | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                         | -1.73                                                                                          | -0.84   | -0.68   | -6.15    | -3.7    | -2.32   |
| MAX. Gain               | -0.68 dBi                                                                                      |         |         |          |         |         |
| Polarization            | Horizontal and Vertical                                                                        |         |         |          |         |         |
| Azimuth Beam Pattern    | Omni-directional                                                                               |         |         |          |         |         |
| Impedance               | 50 Ohm                                                                                         |         |         |          |         |         |
| Antenna Length          | 41.48mm                                                                                        |         |         |          |         |         |
| Manufacture             | SOBETTER BINH DUONG TRADING MANUFACTURE COMPANY LIMITED                                        |         |         |          |         |         |
| Address of Manufacturer | LOT E-10B2-CN, NA 3 STREET, MY PHUOC 2 INDUSTRIAL PARK, BEN CAT WARD, HO CHI MINH CITY,Vietnam |         |         |          |         |         |

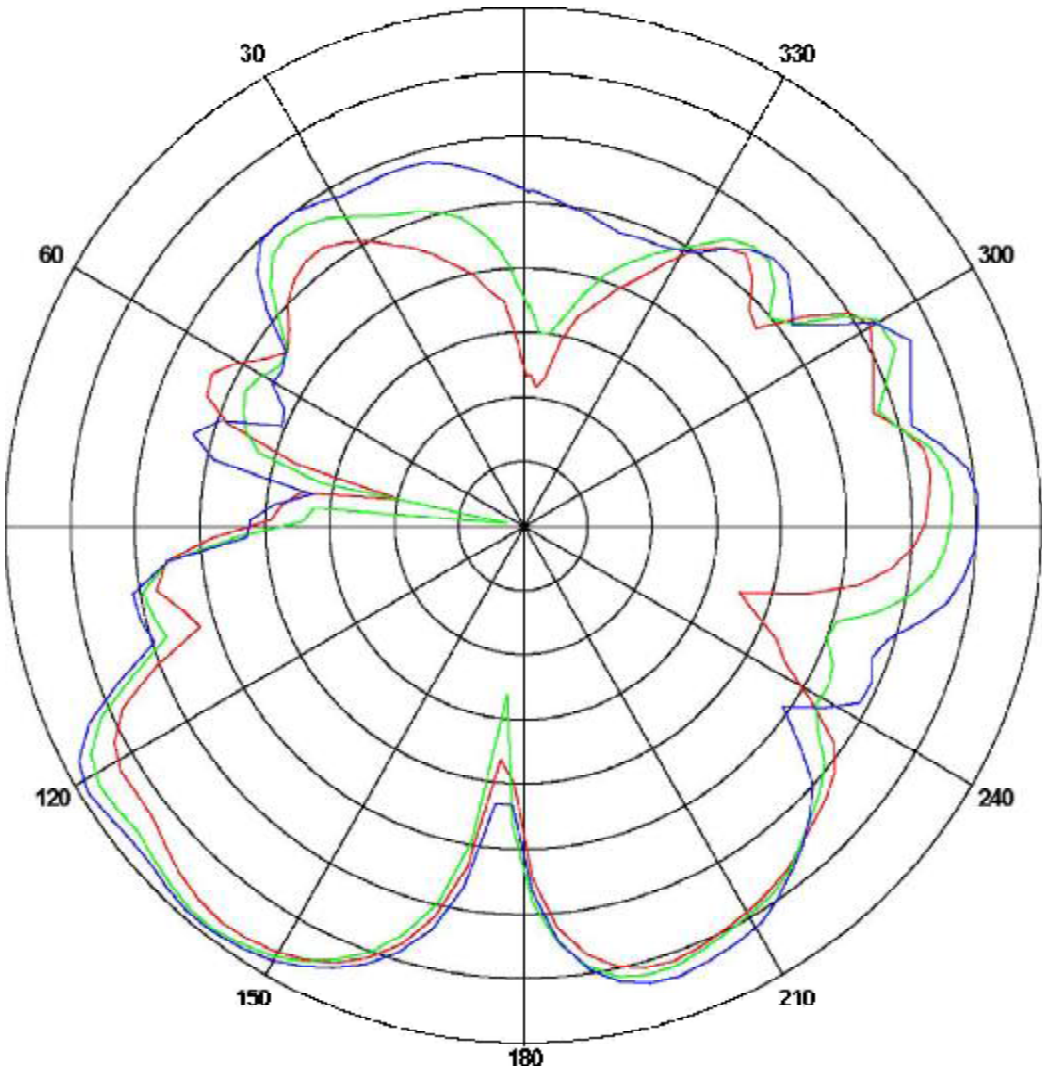
## Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

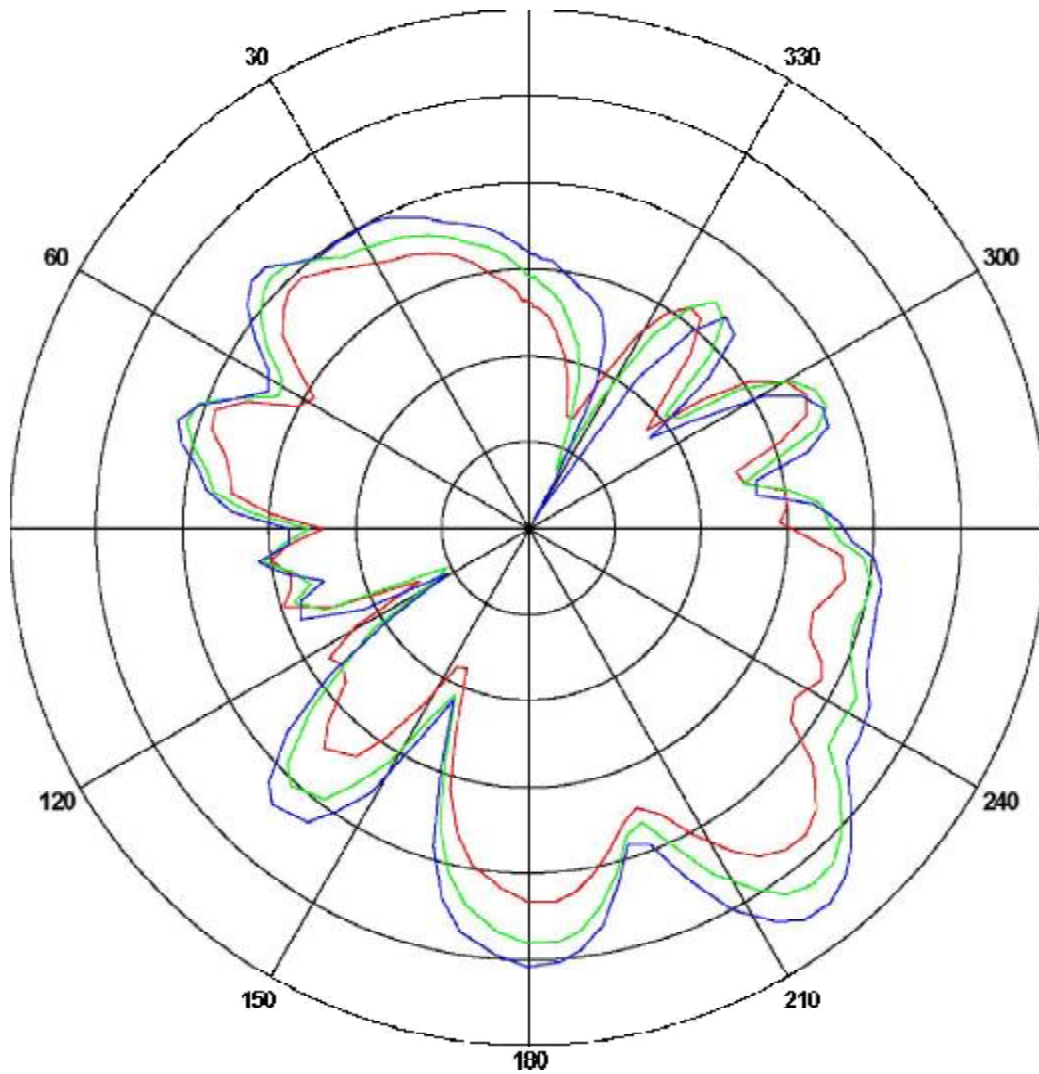
Power (dBm)

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               | -0.685586 | -24.0318 | -6.79139 |

Vertical: 2400 MHz 2450 MHz 2500 MHz  
 Power (dBm)  
 Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(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 |