

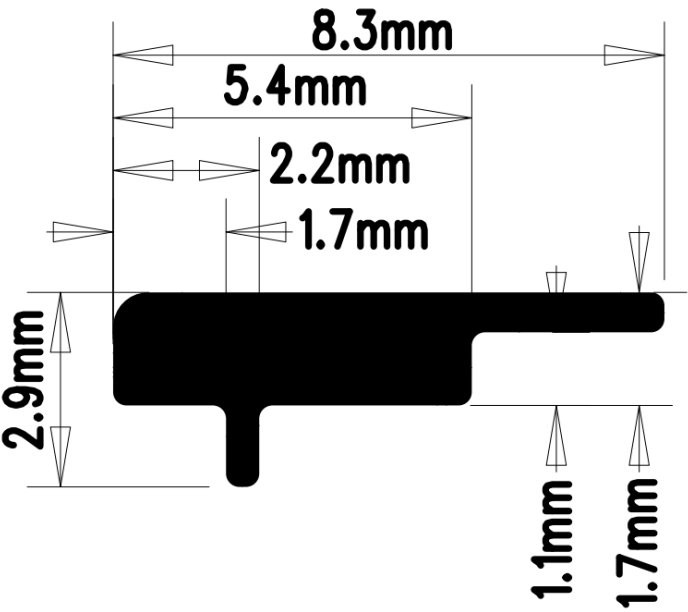
Antenna Specifications

1. Antenna Specifications

| | |
|----------------------|---|
| Manufacturer | Shenzhen Luhengda Electronics Co., Ltd |
| Address | 201, No. 7, Dawang Industrial Zone, Dakang Community, Yuanshan Street, Longgang District, Shenzhen, China |
| Model Name | WIFI_5G_ANT |
| Antenna Type | PCB Antenna |
| Frequency | 5000 – 5850 MHz |
| Maximum Gain | 1.16 dBi |
| Polarization | Horizontal and Vertical |
| Azimuth Beam Pattern | Omni-directional |
| Impedance | 50 Ohm |
| VSWR | <1.2 |

2. Antenna Dimensions

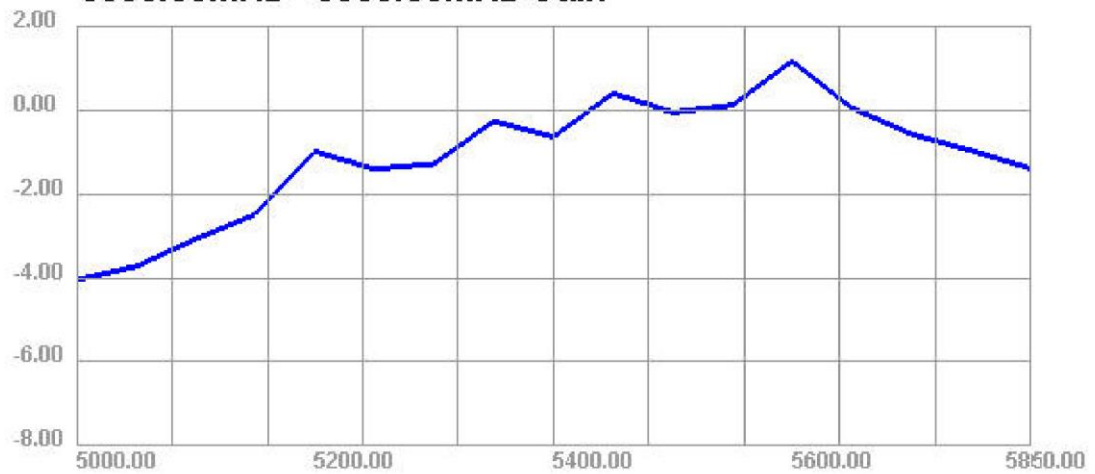
WIFI_5G_ANT

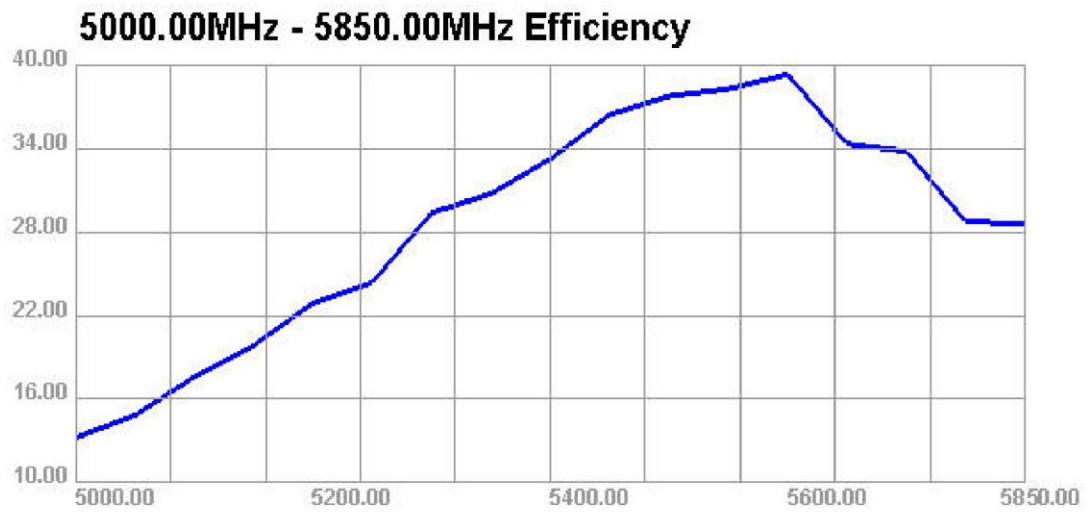


3. Antenna Gain & Efficiency

| Passive Test For 5.8 | | | | | | | | | | |
|----------------------|-------------|--------------|---------------|---------------|------------|------------|-------------|-------------|-----------------|-----------------|
| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHS (%) | DHS (%) | Max (dB) | Min (dB) | Attenuat Hor | Attenuat Ver |
| 5000 | 13.24 | -8.78 | -4.05 | -6.2 | 6.376 | 6.864 | -4.05 | -17.61 | 61.78 | 60.89 |
| 5050 | 14.85 | -8.28 | -3.73 | -5.88 | 7.502 | 7.347 | -3.73 | -16.26 | 62.26 | 61.36 |
| 5100 | 17.59 | -7.55 | -3.07 | -5.22 | 9.151 | 8.436 | -3.07 | -17.29 | 61.83 | 61 |
| 5150 | 19.85 | -7.02 | -2.48 | -4.63 | 10.666 | 9.188 | -2.48 | -14.77 | 62.28 | 61.26 |
| 5200 | 22.91 | -6.4 | -0.99 | -3.14 | 12.186 | 10.72 | -0.99 | -14.51 | 62.8 | 61.9 |
| 5250 | 24.38 | -6.13 | -1.4 | -3.55 | 12.618 | 11.76 | -1.4 | -17.34 | 62.96 | 62.39 |
| 5300 | 29.39 | -5.32 | -1.28 | -3.43 | 15.167 | 14.22 | -1.28 | -17.9 | 62.8 | 62.04 |
| 5350 | 30.76 | -5.12 | -0.26 | -2.41 | 15.558 | 15.2 | -0.26 | -13.69 | 63.35 | 62.04 |
| 5400 | 33.26 | -4.78 | -0.64 | -2.79 | 16.687 | 16.57 | -0.64 | -16.99 | 63.21 | 62.18 |
| 5450 | 36.43 | -4.39 | 0.4 | -1.75 | 18.161 | 18.27 | 0.4 | -15.6 | 64.06 | 63.28 |
| 5500 | 37.76 | -4.23 | -0.05 | -2.2 | 19.458 | 18.31 | -0.05 | -21.77 | 64.32 | 63.01 |
| 5550 | 38.28 | -4.17 | 0.11 | -2.04 | 20.941 | 17.34 | 0.11 | -17.07 | 65.06 | 63.95 |
| 5600 | 39.34 | -4.05 | 1.16 | -0.99 | 21.781 | 17.56 | 1.16 | -20.99 | 65.91 | 65.06 |
| 5650 | 34.34 | -4.64 | 0.05 | -2.1 | 20.456 | 13.88 | 0.05 | -20.91 | 65.59 | 65.05 |
| 5700 | 33.8 | -4.71 | -0.57 | -2.72 | 19.256 | 14.54 | -0.57 | -18.3 | 65.3 | 64.92 |
| 5750 | 28.75 | -5.41 | -0.96 | -3.11 | 16.606 | 12.15 | -0.96 | -19.37 | 65.19 | 64.75 |
| 5850 | 28.6 | -5.44 | -1.39 | -3.54 | 16.447 | 12.15 | -1.39 | -17.2 | 65.79 | 65.14 |

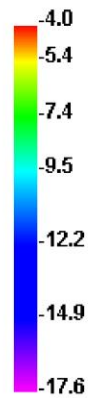
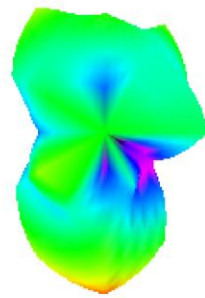
5000.00MHz - 5850.00MHz Gain



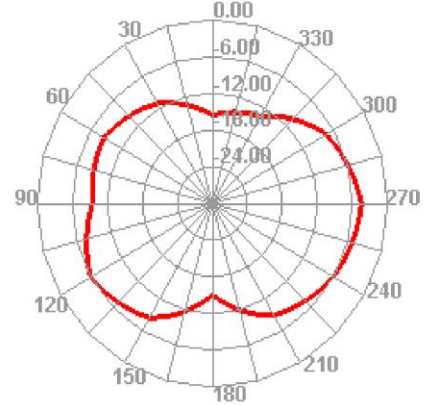


4. 2D/3D Radiated Pattern

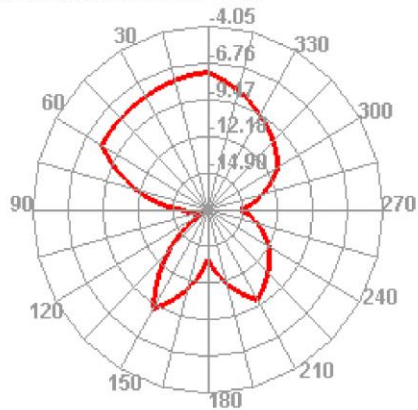
5000.000MHz



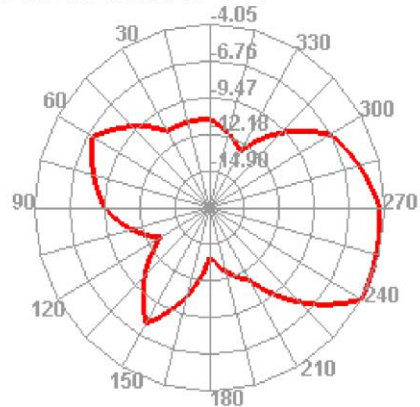
5000.000MHz H



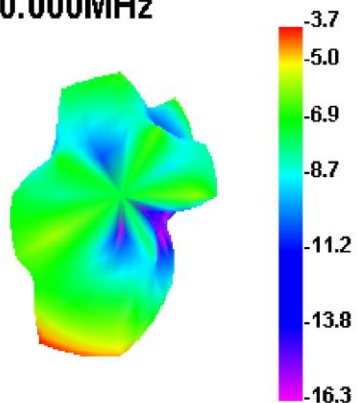
5000.000MHz E1



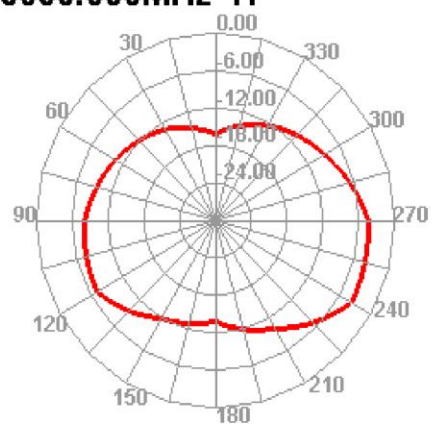
5000.000MHz E2



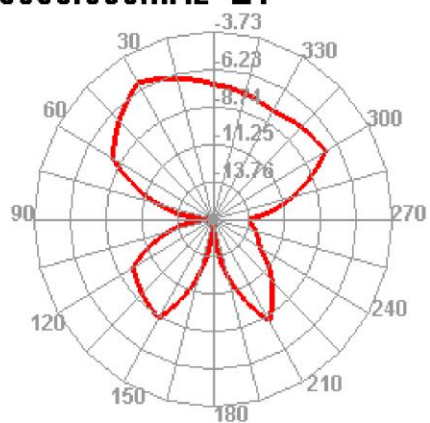
5050.000MHz



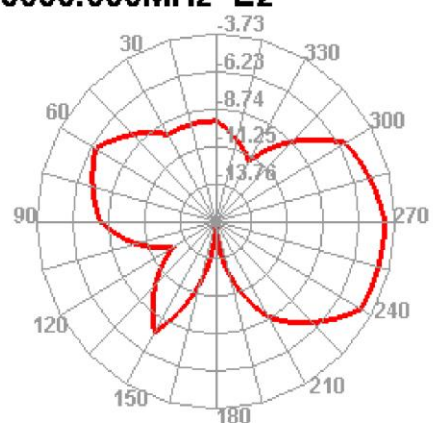
5050.000MHz H



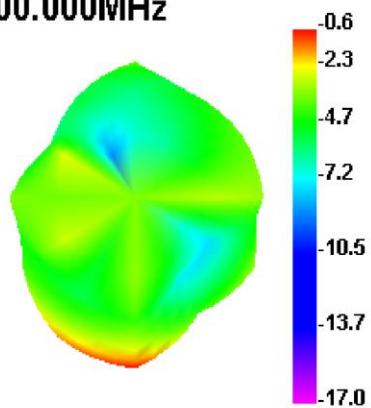
5050.000MHz E1



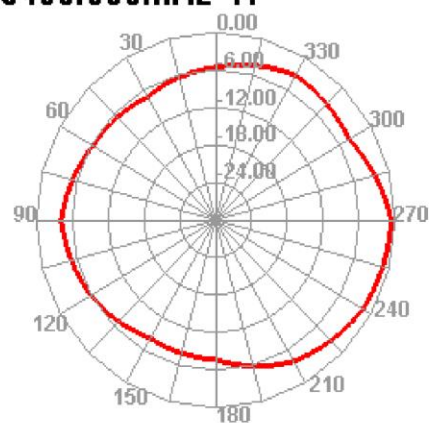
5050.000MHz E2



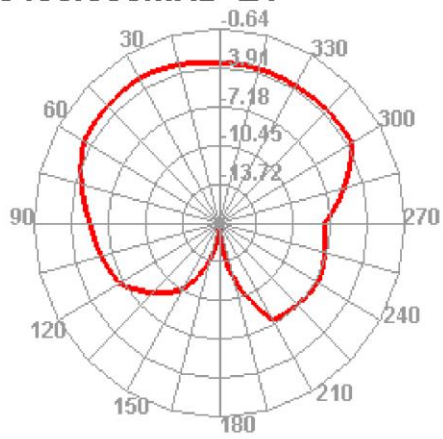
5400.000MHz



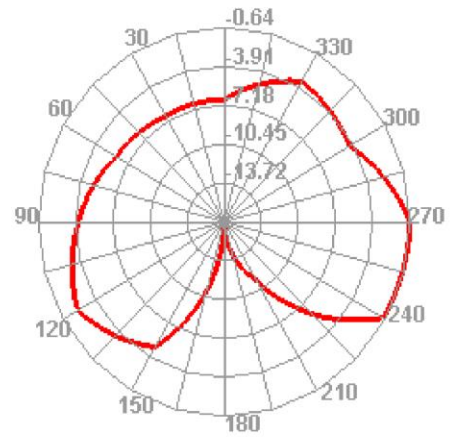
5400.000MHz H



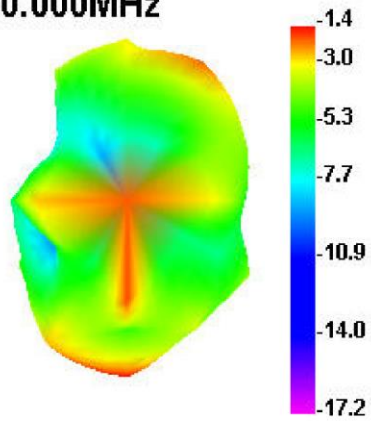
5400.000MHz E1



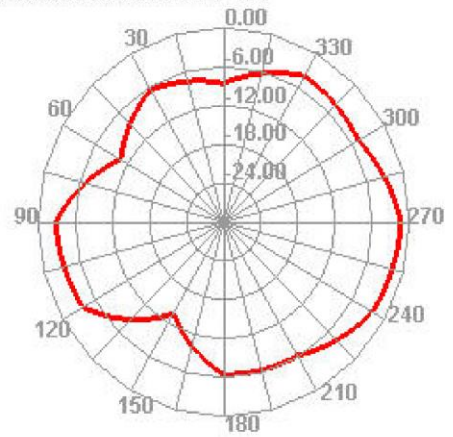
5400.000MHz E2



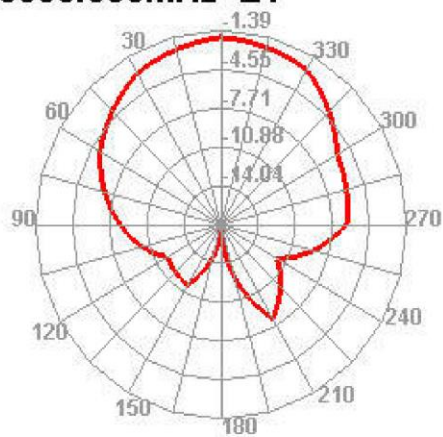
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

