

# Antenna specification

Antenna type : Monopole PCB Antenna

Antenna model : TR4304/40、TR4314/40、TR4324/40、TR4334/40

Antenna brand : DESAY SV

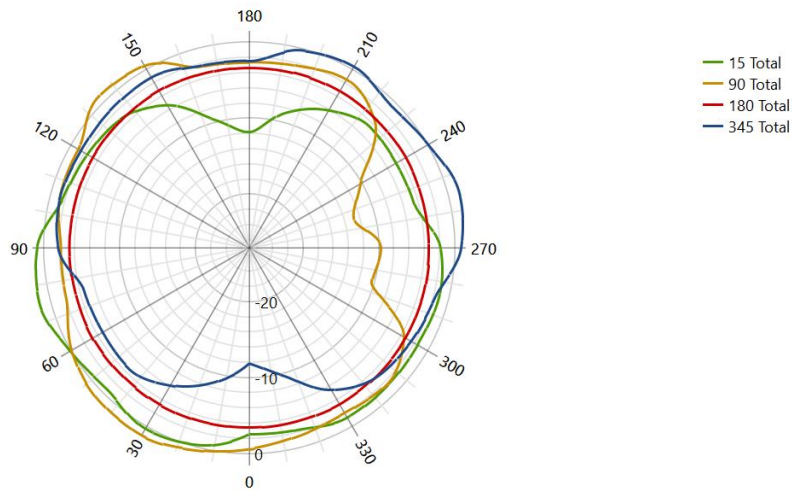
Address: No 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, 516006 Guangdong, P.R. China

## **BT Antenna data:**

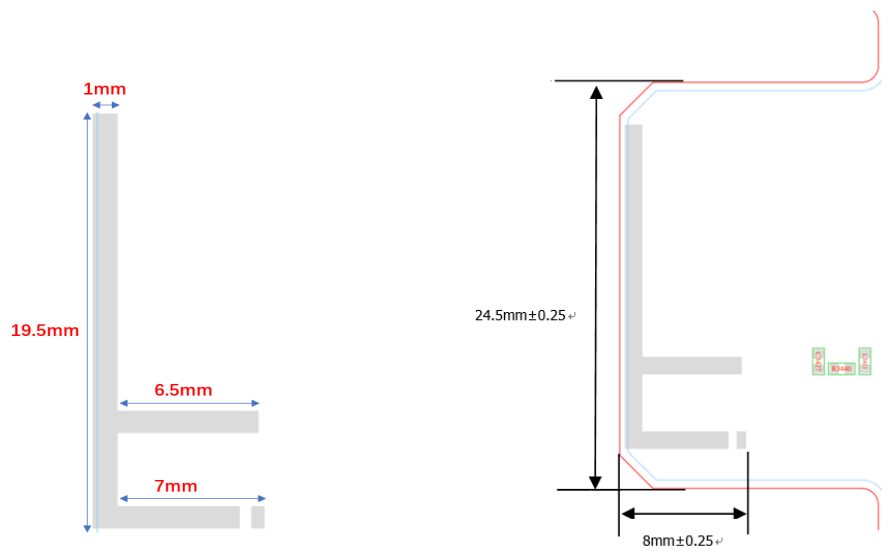
Antenna gain value: 1.3dBi

| Frequency(MHz) | Gain(dBi) | Efficiency(%) |
|----------------|-----------|---------------|
| 2400           | 1.335     | 53.78%        |
| 2415           | 1.099     | 52.96%        |
| 2430           | 0.853     | 51.67%        |
| 2445           | 0.966     | 53.35%        |
| 2460           | 0.801     | 50.13%        |
| 2475           | 0.63      | 46.85%        |
| 2484           | 0.287     | 43.88%        |

Radiation Pattern for BT Antenna (2400MHz)



BT antenna size:



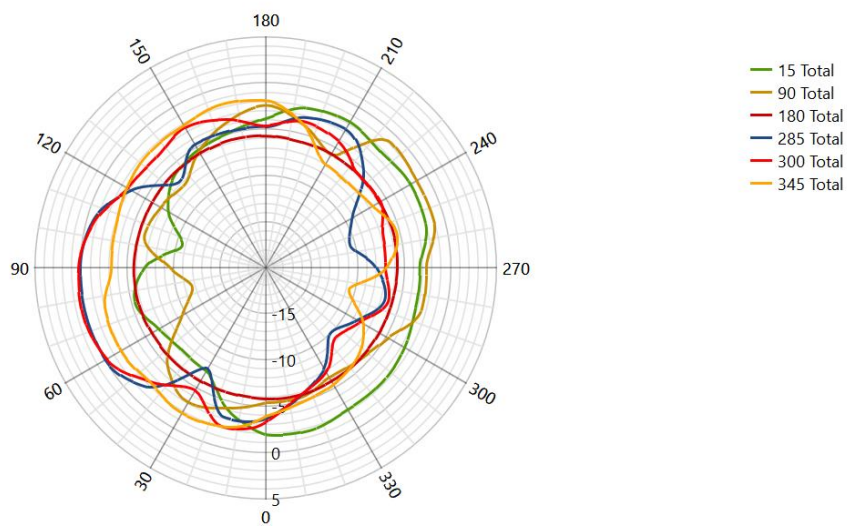
## WIFI Antenna data:

Antenna gain value: 2.4G: 0.5dBi , 5G: 1.6dBi

2.4G Antenna data:

| Frequency(MHz) | Gain(dBi) | Efficiency(%) |
|----------------|-----------|---------------|
| 2400           | -0.354    | 35.41%        |
| 2415           | -0.027    | 36.09%        |
| 2430           | -0.077    | 37.12%        |
| 2445           | 0.503     | 40.01%        |
| 2460           | 0.432     | 38.64%        |
| 2475           | 0.42      | 37.53%        |
| 2484           | 0.361     | 36.60%        |

Radiation Pattern for 2.4G Antenna (2445MHz)

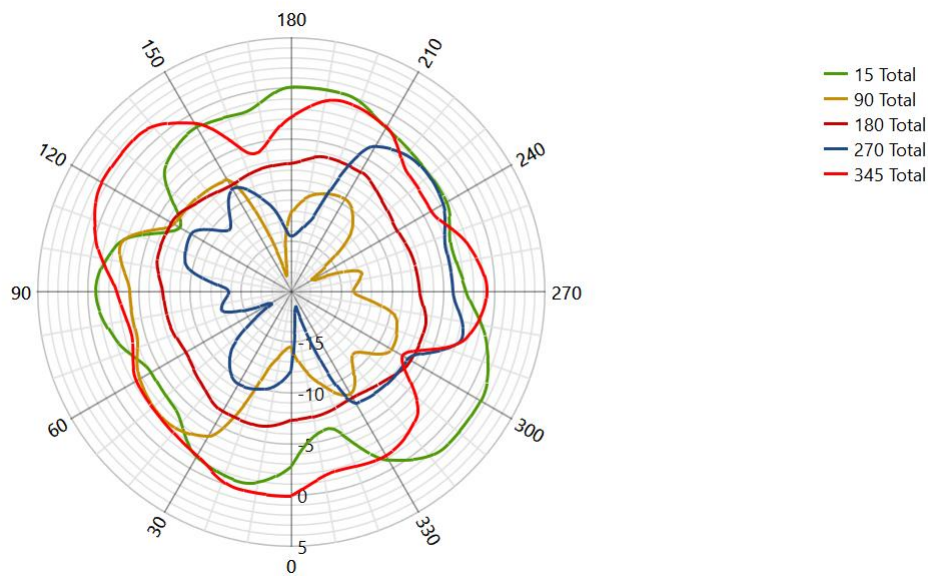


5G Antenna data:

| Frequency(MHz) | Gain(dBi) | Efficiency(%) |
|----------------|-----------|---------------|
| 5150           | 1.296     | 36.11%        |
| 5170           | 0.534     | 30.98%        |
| 5190           | 0.965     | 32.85%        |
| 5210           | 1.603     | 34.75%        |
| 5230           | 1.521     | 34.10%        |
| 5250           | 1.535     | 32.56%        |
| 5270           | 1.427     | 31.92%        |
| 5290           | 1.359     | 32.26%        |
| 5310           | 1.181     | 32.17%        |
| 5330           | 0.748     | 31.17%        |
| 5350           | 0.517     | 31.34%        |
| 5370           | 0.307     | 29.72%        |
| 5390           | -0.016    | 27.86%        |
| 5410           | 0.286     | 27.25%        |
| 5430           | 0.721     | 27.64%        |
| 5450           | 0.697     | 26.92%        |
| 5470           | 1.122     | 28.93%        |
| 5490           | 1.282     | 26.98%        |
| 5510           | 1.477     | 26.72%        |
| 5530           | 1.362     | 26.98%        |
| 5550           | 0.922     | 25.04%        |

|      |       |        |
|------|-------|--------|
| 5570 | 0.525 | 23.20% |
| 5590 | 0.239 | 23.29% |
| 5610 | 0.31  | 24.64% |
| 5630 | 0.259 | 24.85% |
| 5650 | 0.309 | 26.71% |
| 5670 | 0.473 | 26.09% |
| 5690 | 0.975 | 27.43% |
| 5710 | 1.15  | 28.77% |
| 5730 | 1.092 | 28.85% |
| 5750 | 0.654 | 28.50% |
| 5770 | 0.436 | 27.40% |
| 5790 | 0.195 | 25.92% |
| 5810 | 0.29  | 26.43% |
| 5830 | 0.307 | 26.03% |
| 5850 | 0.97  | 30.01% |

Radiation Pattern for 5G Antenna (5210MHz)



antenna size

