

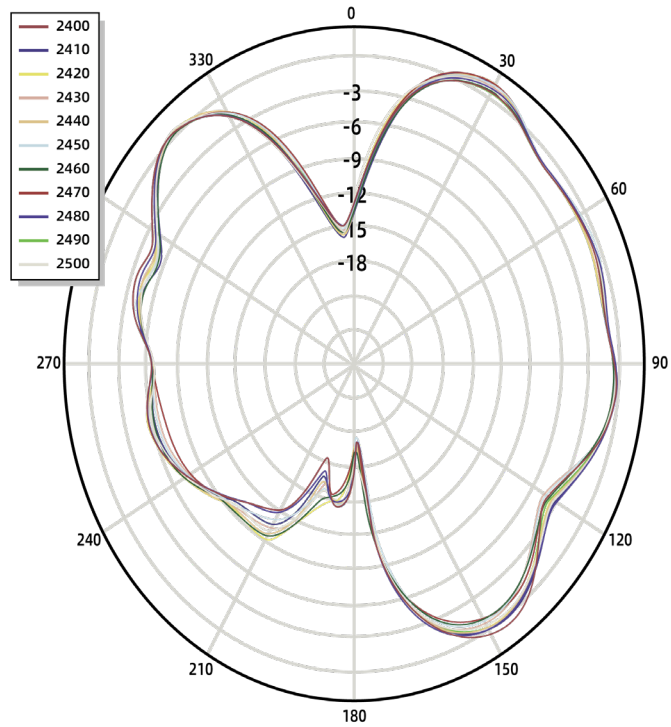
# Testing Report

## Gain and Efficiency

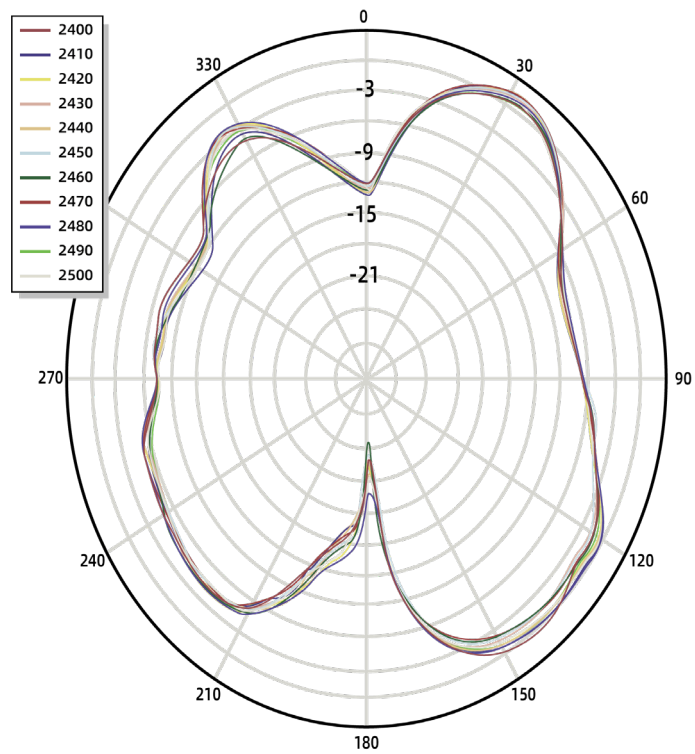
| Freq./MHz | Peak Gain/dBi | Efficiency/% | Freq./MHz | Peak Gain/dBi | Efficiency/% |
|-----------|---------------|--------------|-----------|---------------|--------------|
| 2400      | 3.10          | 61.2         | 5725      | 4.23          | 65.4         |
| 2410      | 3.20          | 61.5         | 5735      | 4.19          | 64.8         |
| 2420      | 3.23          | 62.0         | 5745      | 4.13          | 64.4         |
| 2430      | 2.90          | 60.3         | 5755      | 4.09          | 64.2         |
| 2440      | 2.88          | 60.0         | 5765      | 3.89          | 63.5         |
| 2450      | 2.77          | 59.5         | 5775      | 3.79          | 62.3         |
| 2460      | 2.72          | 59.1         | 5785      | 3.66          | 61.7         |
| 2470      | 2.67          | 58.5         | 5795      | 3.34          | 60.9         |
| 2480      | 2.64          | 58.2         | 5805      | 3.32          | 60.3         |
| 2490      | 2.61          | 57.9         | 5815      | 3.12          | 59.8         |
| 2500      | 2.57          | 57.6         | 5825      | 3.11          | 59.5         |
|           |               |              | 5835      | 3.04          | 59.2         |
|           |               |              | 5845      | 2.99          | 58.5         |

## Typical free space radiation pattern

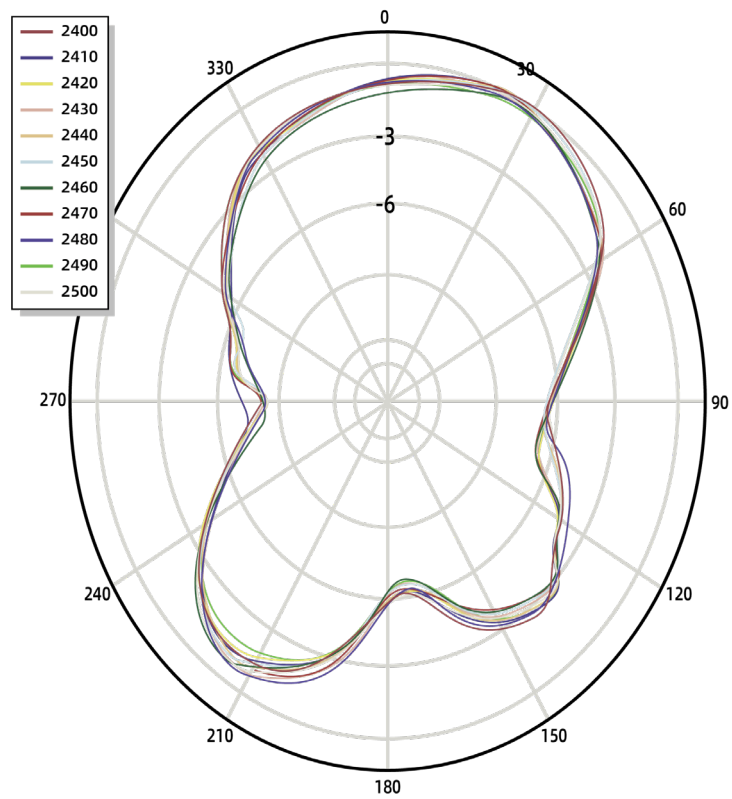
2.4G pattern:



(1) X-Z Plane:  $V \Phi=0$

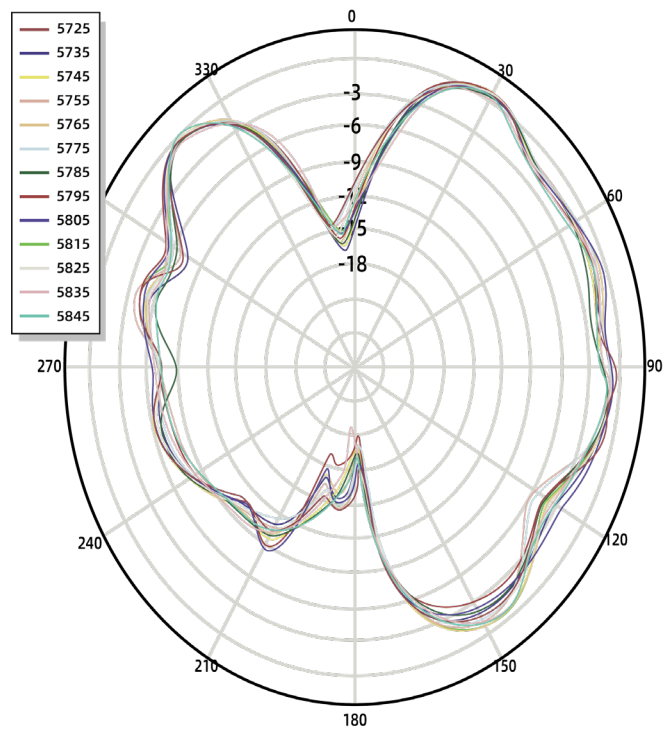


(2) Y-Z Plane:  $V \Phi=90$

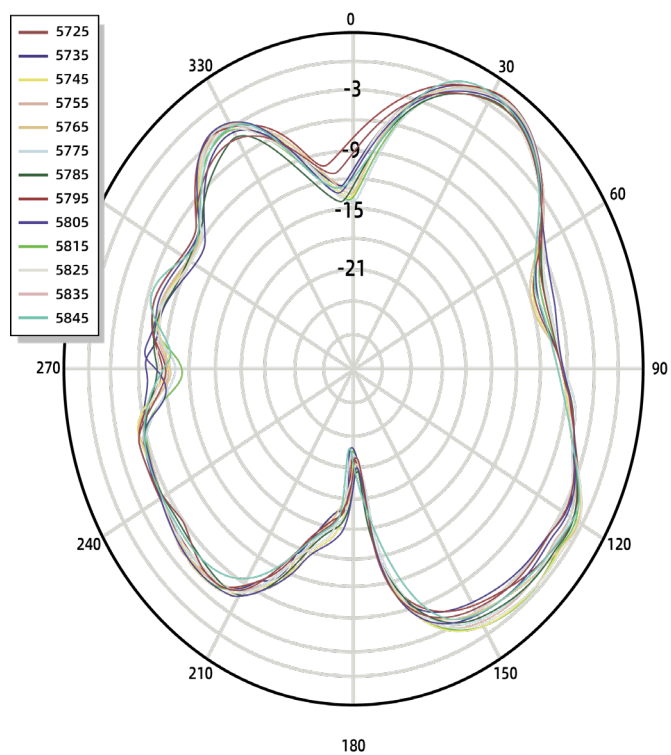


(3) X-Y Plane: H Theta=90

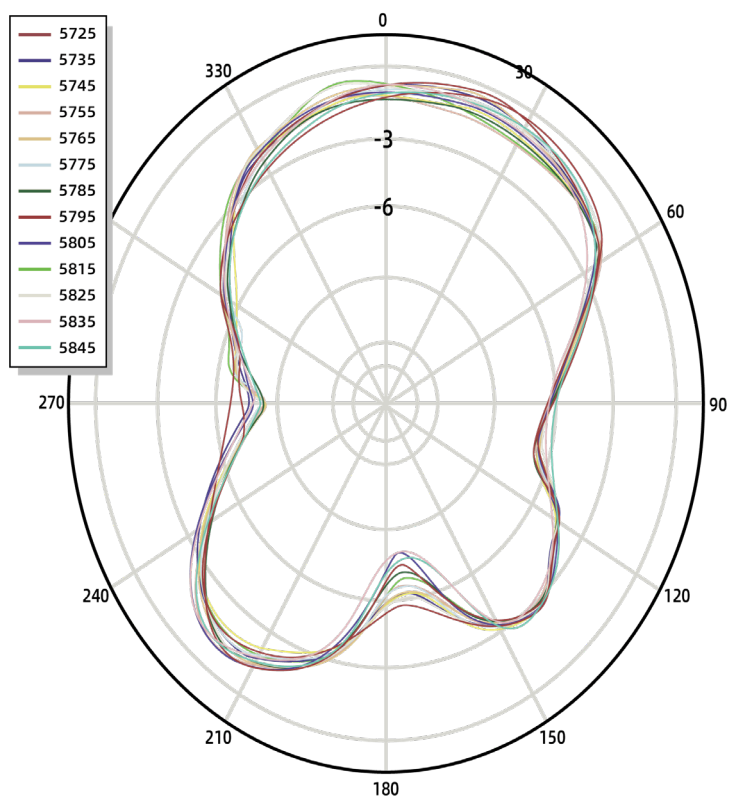
5G pattern:



(1) X-Z Plane: V Phi=0



(2) Y-Z Plane:  $V \Phi=90$



(3) X-Y Plane:  $H \Theta=90$

# Antenna

| Type                     | value                                |
|--------------------------|--------------------------------------|
| Antenna Types            | 2.4G/5.8G                            |
| Frequency range          | 2400-2500/4900-5900MHZ               |
| Antenna Gain             | 3.23dBI / 4.23dBI                    |
| Impedance                | 50Ω                                  |
| Standing wave ratio      | S.W.R≤1.5                            |
| Polarization mode        | Linear polarization                  |
| connector                | SMA                                  |
| Antenna size             | 95*13mm                              |
| Manufacturer Information | Shenzhen Poly Force into electronics |

## Antenna picture

### 8DBIPCB板95X13MM天线

