



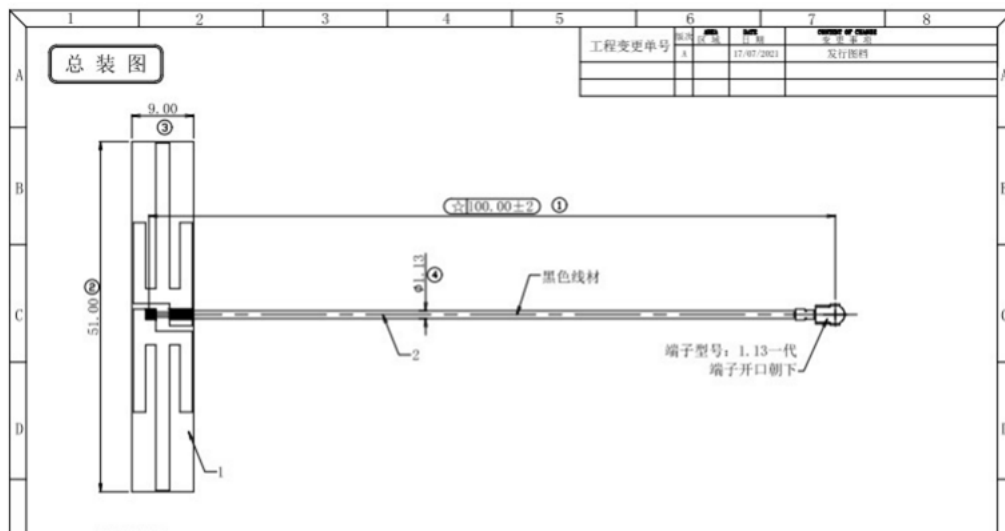
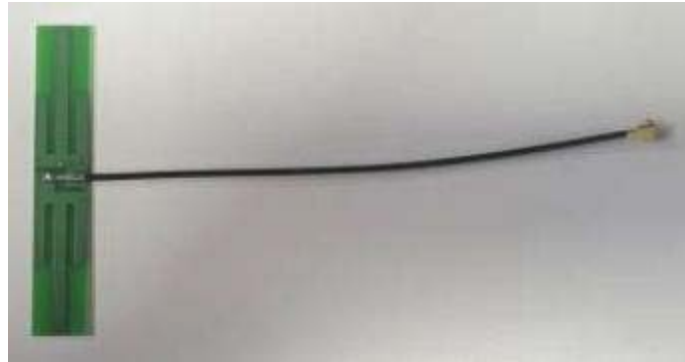
Specification  
For  
2.4G/5Ghz Dual band PCB Antenna  
Rev. 1.0

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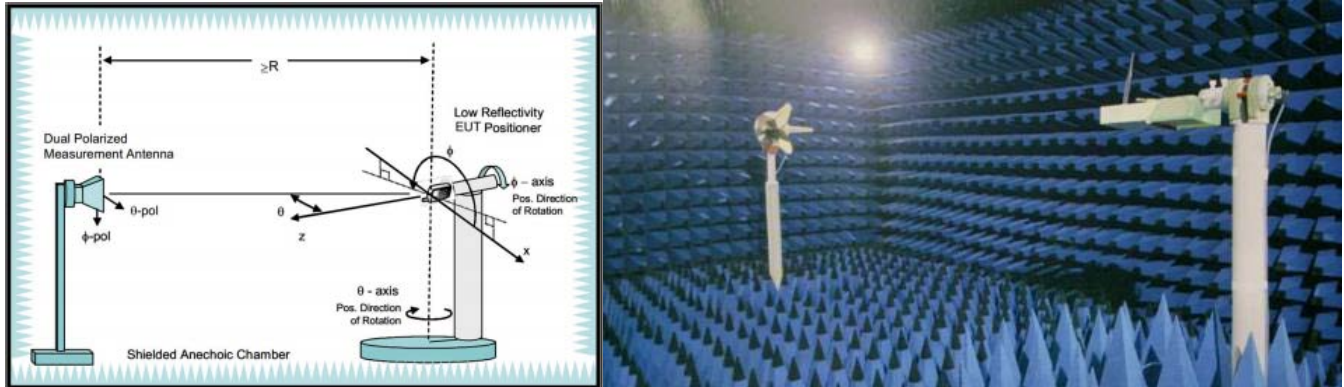
Specification are subject to change without notice

## Antenna out looking:

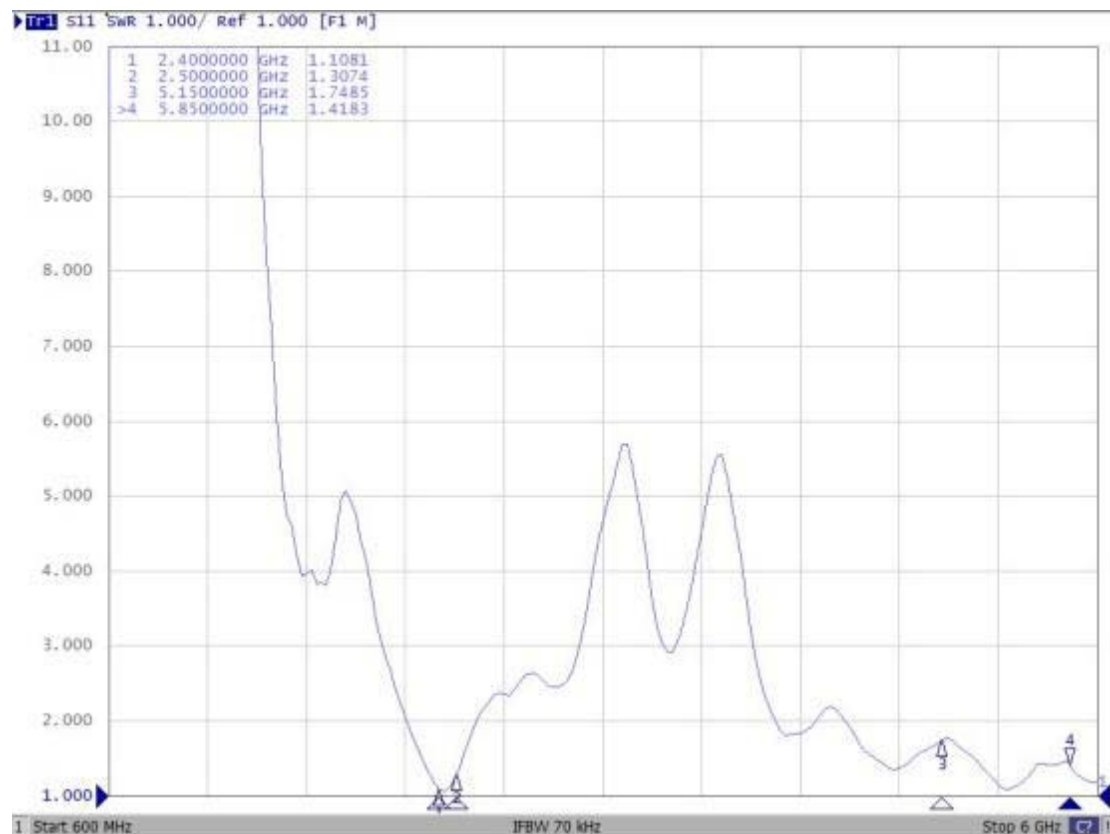


|                |                                 |
|----------------|---------------------------------|
| Frequency      | 2400MHz-2500MHz,5150MHz-5850MHz |
| VSWR           | ≤2.0                            |
| Antenna Gain   | 3.57dBi                         |
| Impedance      | 50 ohm                          |
| Polarization   | vertical                        |
| Connector loss | 0.5db                           |
| PCB Dimension  | 51*9mm                          |
| RF Cable       | φ 1.13mm normal                 |

## Testing Efficiency / Gain Data



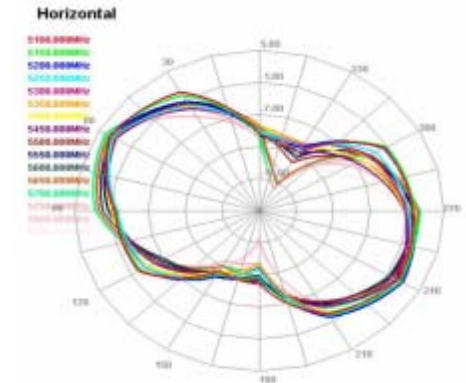
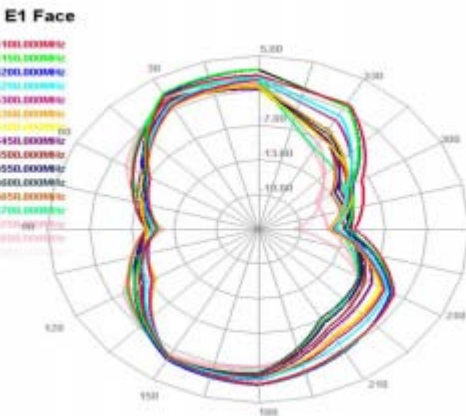
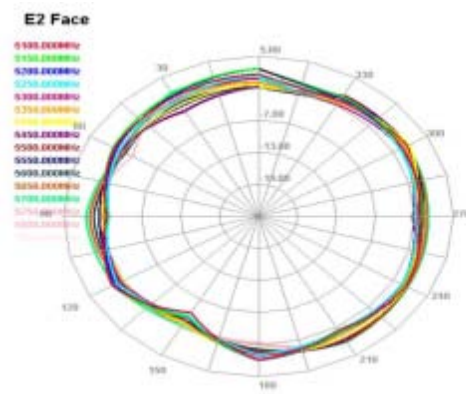
## VSWR:



## Efficiency / Gain Data :

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|---------------|-------------|--------------|---------------|
| 2400          | 95.31       | -0.21        | 3.55          | 5100          | 74.09       | -1.3         | 2.98          |
| 2410          | 95.01       | -0.22        | 3.44          | 5150          | 77.14       | -1.13        | 3.26          |
| 2420          | 96.37       | -0.16        | 3.39          | 5200          | 77.27       | -1.12        | 3.21          |
| 2430          | 93.88       | -0.27        | 3.31          | 5250          | 65.6        | -1.83        | 2.5           |
| 2440          | 90.91       | -0.41        | 3.29          | 5300          | 64.44       | -1.91        | 3.15          |
| 2450          | 96.45       | -0.16        | 3.57          | 5350          | 66.89       | -1.75        | 3.4           |
| 2460          | 92.39       | -0.34        | 3.47          | 5400          | 68.89       | -1.62        | 3.79          |
| 2470          | 91.66       | -0.38        | 3.48          | 5450          | 66.65       | -1.76        | 3.49          |
| 2480          | 92.6        | -0.33        | 3.67          | 5500          | 69.81       | -1.56        | 3.75          |
| 2490          | 84.6        | -0.73        | 3.43          | 5550          | 70.68       | -1.51        | 3.59          |
| 2500          | 80.6        | -0.94        | 3.28          | 5600          | 66.98       | -1.74        | 3.62          |
|               |             |              |               | 5650          | 71.1        | -1.48        | 3.63          |
|               |             |              |               | 5700          | 76.75       | -1.15        | 4.05          |
|               |             |              |               | 5750          | 74.37       | -1.29        | 3.85          |
|               |             |              |               | 5800          | 71.61       | -1.45        | 3.7           |
|               |             |              |               | 5850          | 72.69       | -1.39        | 3.56          |

Test Results – Radiation Pattern :

| Radiation Pattern      |          |                                                                                      |
|------------------------|----------|--------------------------------------------------------------------------------------|
| Fre(MHz)               |          |                                                                                      |
| 2400-2500<br>5100-5850 | XY Plane |    |
|                        | XZ Plane |   |
|                        | YZ Plane |  |