



深圳市英佳创电子科技有限公司

产品天线调测报告

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一、项目概况

| 客户名称 | 项目名称 | 天线实现方式 |
|------------|---------------|----------|
| JD | S5-009 | 2.4G板载天线 |
| 工作频段 (MHz) | | |
| 2.4G | 2400-2500 MHz | |

Unit : mm

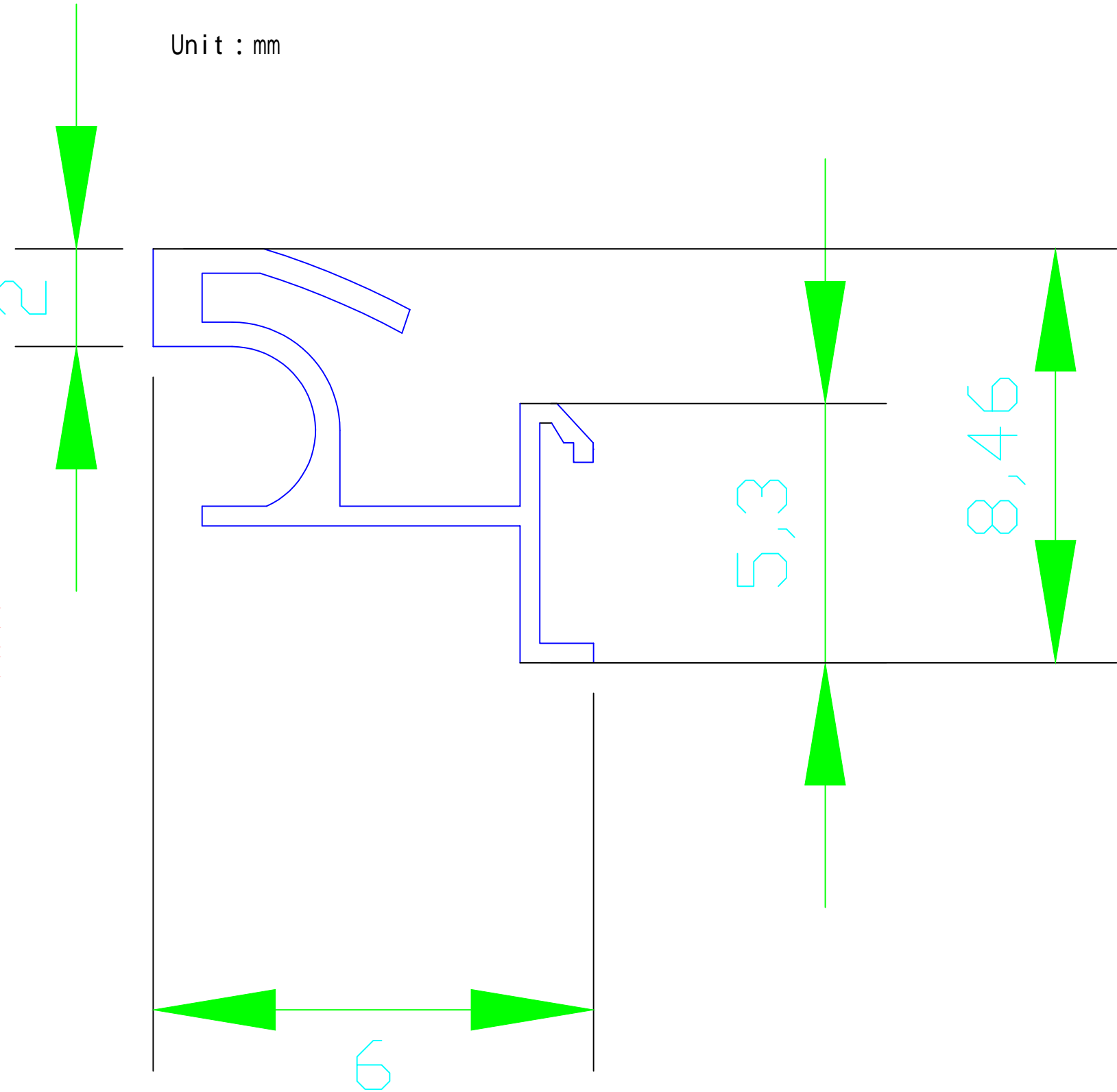
ANT

2

5,3

8,46

6



新天线网分测试图



新天线OTA数据

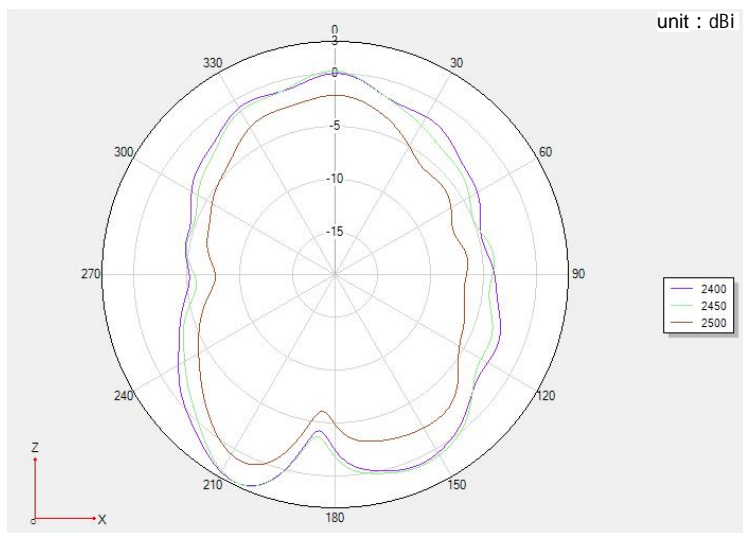
| Measurement | Standard | Band | Channel | Frequency | Max | Min | Total |
|-------------|-----------|------------------|---------|-----------|--------|--------|--------|
| TRP | WIFI (AP) | WIFI_B (11M) | 1 | 2412 | 17.98 | 2.43 | 11.73 |
| TRP | WIFI (AP) | WIFI_B (11M) | 6 | 2437 | 14.73 | -0.19 | 10.47 |
| TRP | WIFI (AP) | WIFI_B (11M) | 11 | 2462 | 14.57 | -2.66 | 10.39 |
| TIS(EIRP) | WIFI (AP) | WIFI_B (11M) | 1 | 2412 | -48.08 | -63.59 | -59.38 |
| TIS(EIRP) | WIFI (AP) | WIFI_B (11M) | 6 | 2437 | -55.8 | -69.36 | -65.39 |
| TIS(EIRP) | WIFI (AP) | WIFI_B (11M) | 11 | 2462 | -56.82 | -69.86 | -65.93 |
| TRP | WIFI (AP) | WIFI_G (54M) | 1 | 2412 | 14.52 | 1.62 | 10.14 |
| TRP | WIFI (AP) | WIFI_G (54M) | 6 | 2437 | 13.2 | -18.65 | 8.86 |
| TRP | WIFI (AP) | WIFI_G (54M) | 11 | 2462 | 13.13 | 0.86 | 9.07 |
| TIS(EIRP) | WIFI (AP) | WIFI_G (54M) | 1 | 2412 | -46.56 | -61.46 | -57 |
| TIS(EIRP) | WIFI (AP) | WIFI_G (54M) | 6 | 2437 | -46.23 | -68.95 | -64.66 |
| TIS(EIRP) | WIFI (AP) | WIFI_G (54M) | 11 | 2462 | -48.67 | -67.19 | -63.11 |
| TRP | WIFI (AP) | WIFI_N_ISM (6:1 | 1 | 2412 | 13.59 | -12.02 | 7.19 |
| TRP | WIFI (AP) | WIFI_N_ISM (6:6 | 6 | 2437 | 10.38 | 1.69 | 6.83 |
| TRP | WIFI (AP) | WIFI_N_ISM (6:11 | 11 | 2462 | 7.59 | -2.04 | 5.36 |

新天线无源测试数据

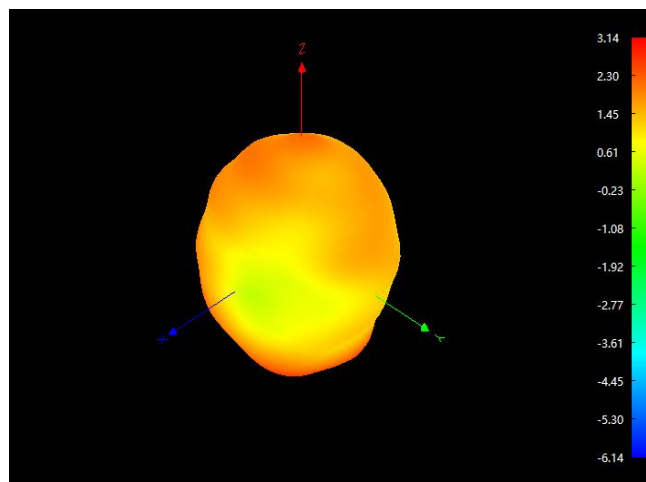
| Frequency | Efficiency (%) | Gain. (dBi) |
|-----------|----------------|-------------|
| 2400 | 54.2 | 2.98 |
| 2410 | 60.67 | 2.81 |
| 2420 | 54.58 | 2.82 |
| 2430 | 55.08 | 2.74 |
| 2440 | 52.48 | 2.71 |
| 2450 | 55.08 | 3.00 |
| 2460 | 46.99 | 2.85 |
| 2470 | 41.69 | 2.24 |
| 2480 | 38.55 | 2.09 |
| 2490 | 36.56 | 1.41 |
| 2500 | 31.05 | 0.99 |

天线测试3D图

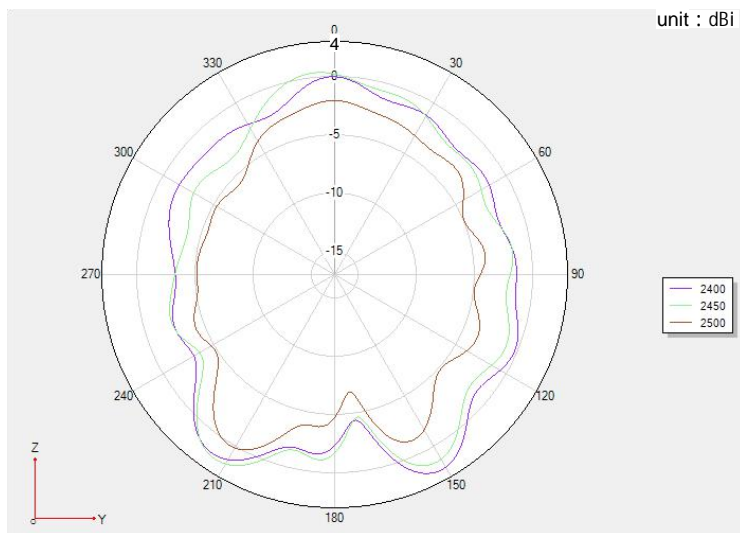
Phi 0 2D图



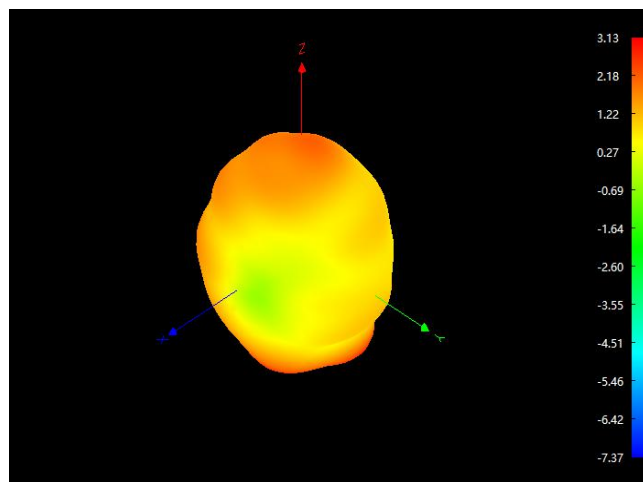
2400



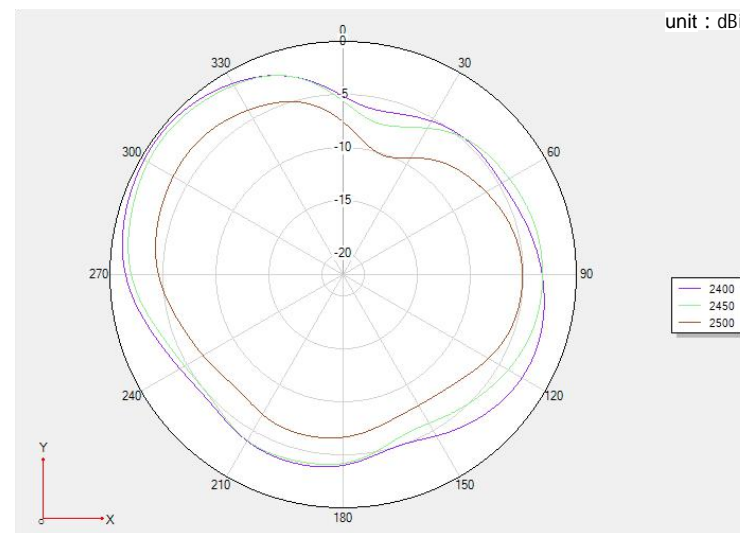
Phi 90 2D图



2450



Theta 90 2D图



2500

