



# 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

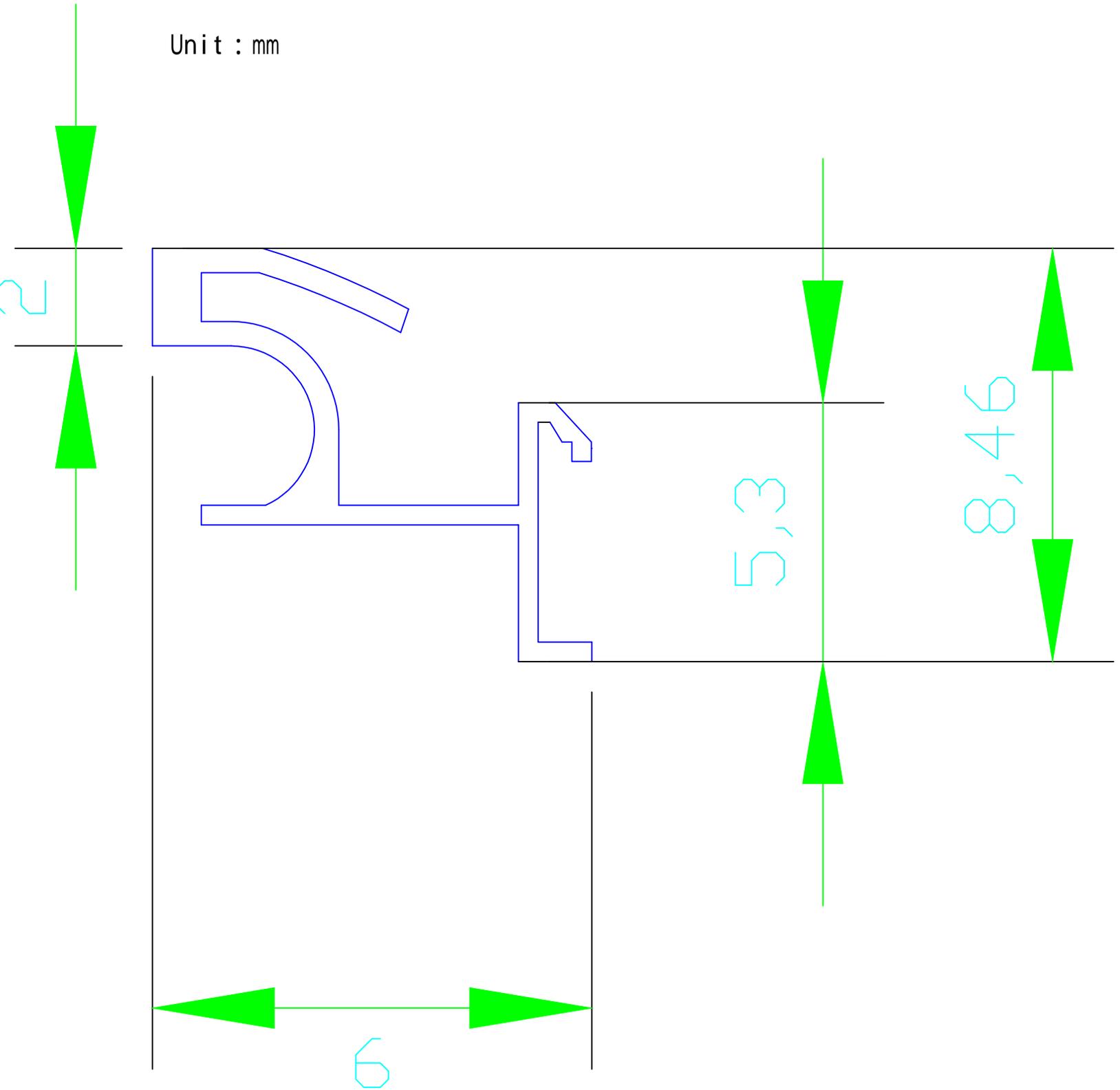
ANT

2

5,3

8,46

6





# 新天线网分测试图



## 新天线OTA数据

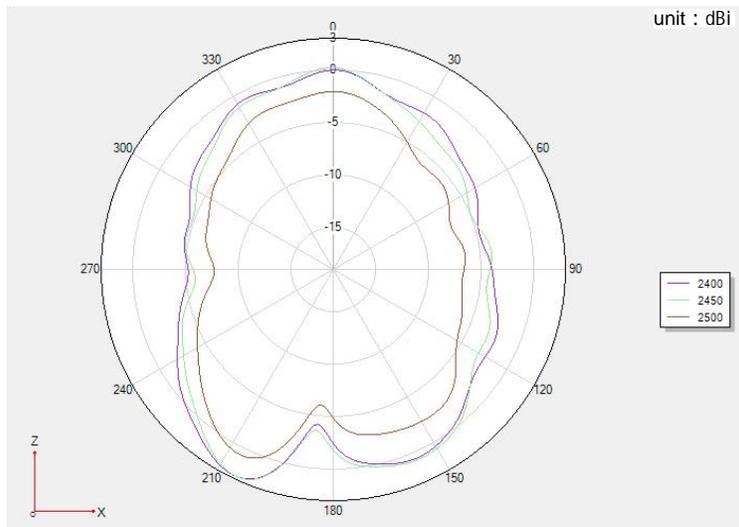
Measurement	Standard	Band	Channel	Frequency	Max	Min	Total
TRP	WIFI (AP)	WIFI_B (11M)	1	2412	17.98	2.43	11.73
TRP	WIFI (AP)	WIFI_B (11M)	6	2437	14.73	-0.19	10.47
TRP	WIFI (AP)	WIFI_B (11M)	11	2462	14.57	-2.66	10.39
TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	1	2412	-48.08	-63.59	-59.38
TIS(EIRP)	WIFI (AP)	WIFI_B (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

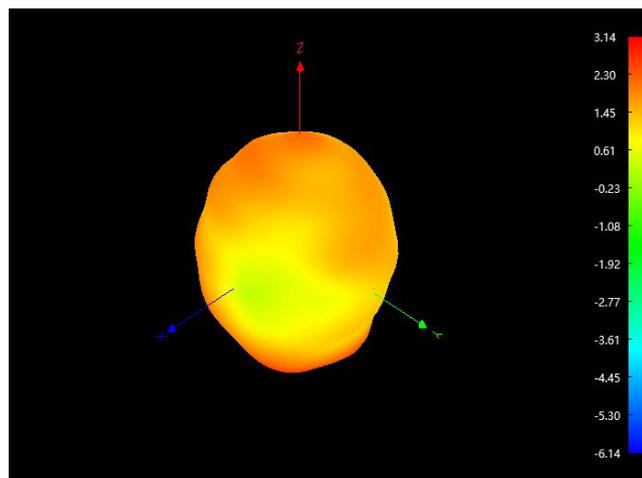
Frequency	Efficiency (%)	Gain. (dBi)
2400	<b>54.2</b>	<b>2.98</b>
2410	<b>60.67</b>	<b>2.81</b>
2420	<b>54.58</b>	<b>2.82</b>
2430	<b>55.08</b>	<b>2.74</b>
2440	<b>52.48</b>	<b>2.71</b>
2450	<b>55.08</b>	<b>3.00</b>
2460	<b>46.99</b>	<b>2.85</b>
2470	<b>41.69</b>	<b>2.24</b>
2480	<b>38.55</b>	<b>2.09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

# 天线测试3D图

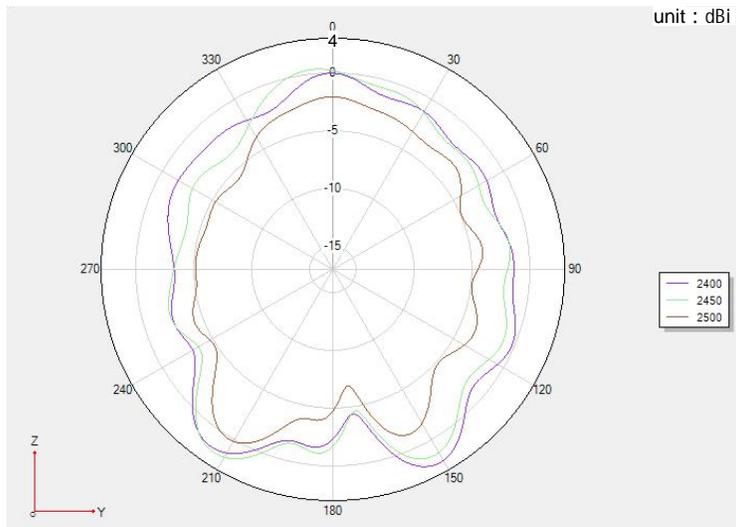
## Phi 0 2D图



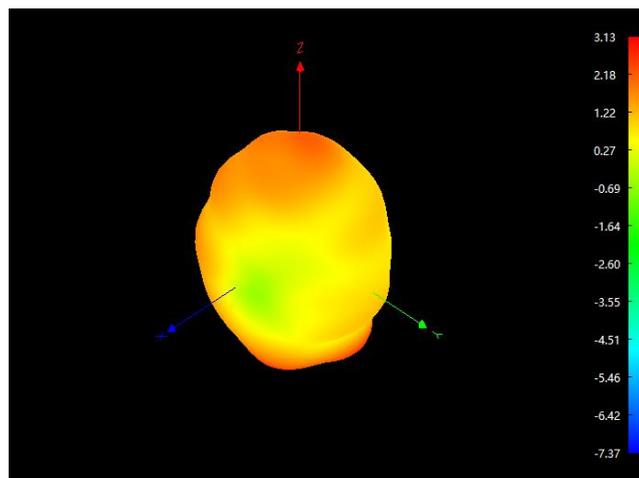
### 2400



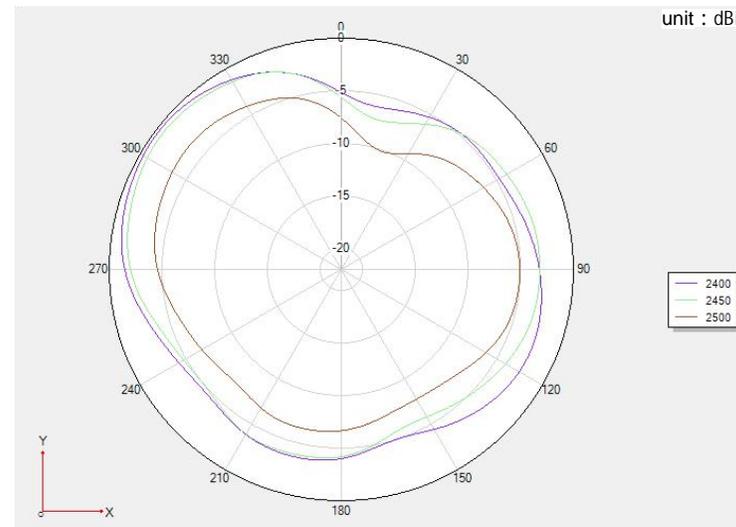
## Phi 90 2D图



### 2450



## Theta 90 2D图



### 2500

