SHENZHEN YINGJIACHUANG ELECTRONIC TECHNOLOGY CO.,LTD.

Product Antenna Tuning Report

TIME：2022/05/09

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Map of antenna position:

WIFI ANT& BT ANT

OTA数据

Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Max	Min	Total
1	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	18.01	-0.34	13.89
2	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	18.01	-3.69	13.74
3	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	17.16	-4.91	13.45
4	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	-64.37	-82.83	-78.61
5	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	-60.88	-82.08	-77.87
6	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	-61.83	-83.31	-79.17
7	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	1	2412	17.5	-1.81	13.16
8	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	6	2437	16.23	-4.95	12.07
9	TRP	Every30	Every30	WIFI (AP)	WIFI_G (54M)	11	2462	15.6	-6.34	11.51
10	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	1	2412	-49.81	-69.52	-65.14
11	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	6	2437	-47.07	-69.63	-65.46
12	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	11	2462	-48.01	-70.06	-65.86
13	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	1	2412	16.33	-3.6	12.11
14	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	6	2437	15.21	-7	11.15
15	TRP	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	11	2462	14.51	-9.92	10.41
16	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	1	2412	-46.75	-66.46	-62.31
17	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	6	2437	-44.36	-65.99	-61.91
18	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_N_ISM (65M)	11	2462	-42.54	-67.25	-62.98

Subnet Test Standing Wave Map

WIFI Antenna Gain Test Data

Frequency	Efficiency (%)	Gain.(dBi)
2400	48.87	1.56
2410	52	2.00
2420	47.42	1.43
2430	46.99	1.75
2440	48.08	1.77
2450	53.09	1.95
2460	50.82	1.03
2470	47.42	1.37
2480	49.09	1.64
2490	52.72	1.65
2500	52.72	1.23

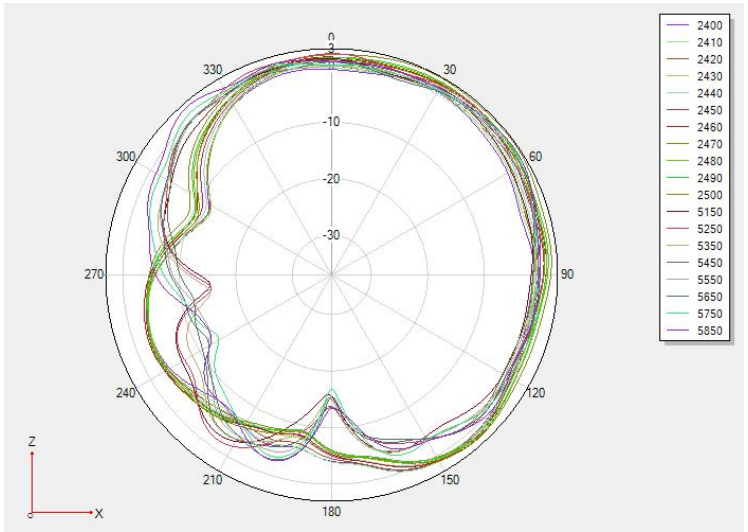
Subnet Test Standing Wave Map

BT Antenna Gain Test Data

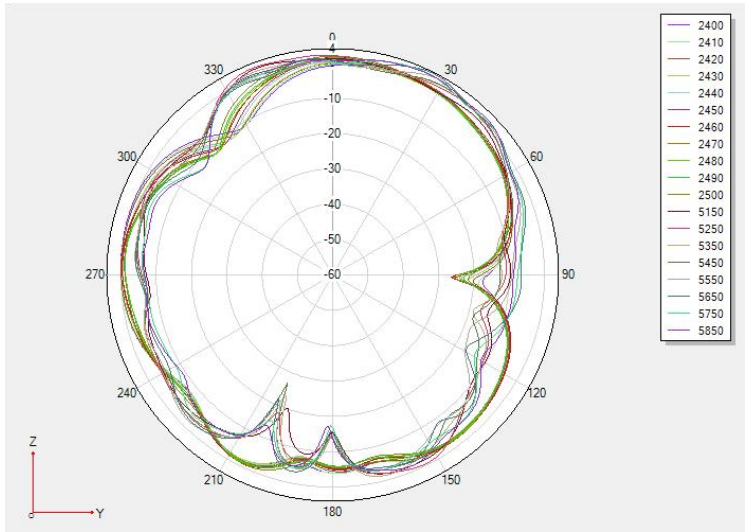
Frequency	Efficiency (%)	Gain.(dBi)
2400	47.65	1.57
2410	62.54	1.56
2420	48.65	1.24
2430	47.54	1.38
2440	52.68	1.47
2450	52.69	1.36
2460	53.94	2.00
2470	49.57	1.58
2480	47.85	1.36
2490	53.24	1.57
2500	60.45	1.64

Test 2D Diagram

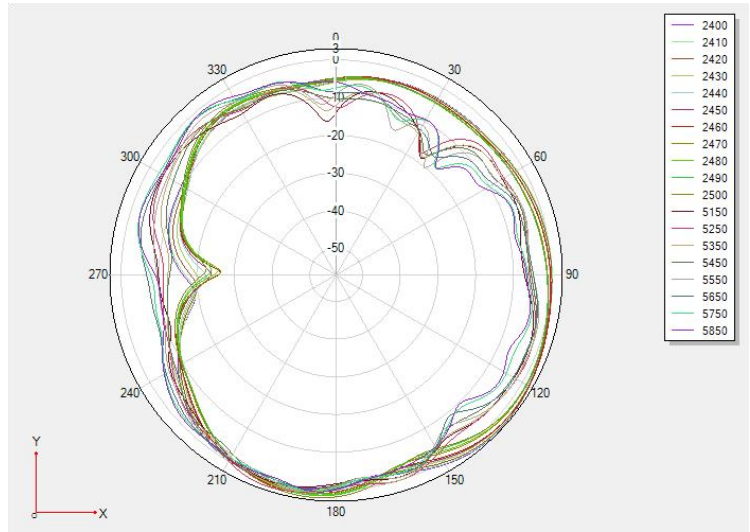
Phi 0



Phi 90

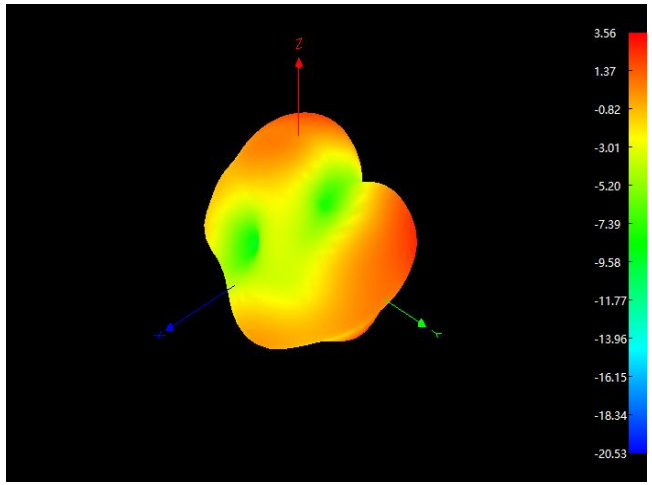


Theta 90



Test 3D Diagram

2400



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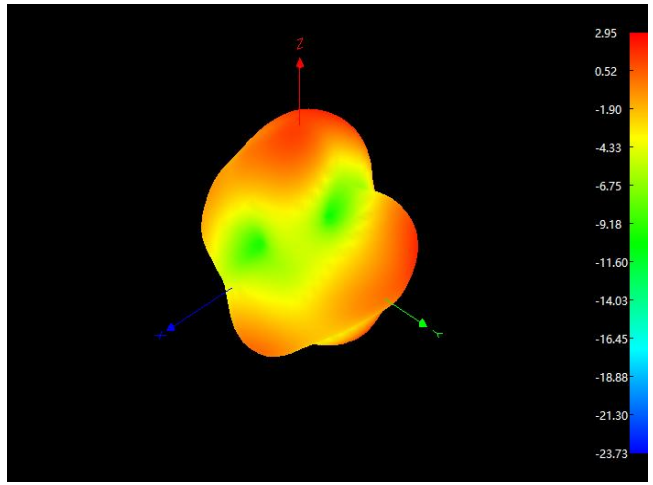
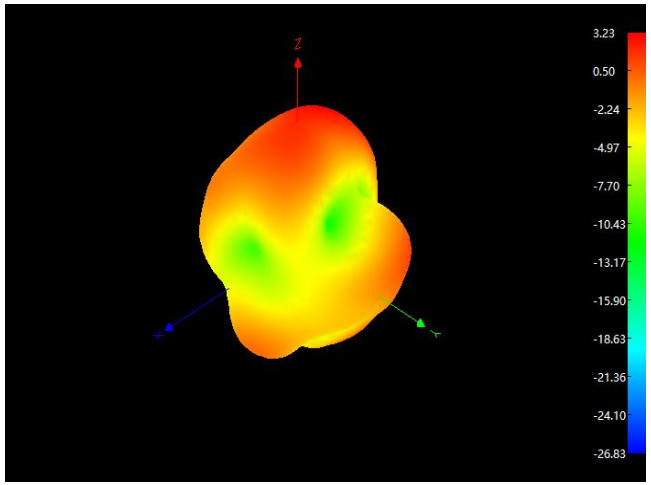
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