



SHENZHEN YINGJIACHUANG ELECTRONIC TECHNOLOGY CO.,LTD.

Product Antenna Tuning Report

TIME: 2022/05/09

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Map of antenna position:



WIFI ANT2 & BT ANT



WIFI ANT1

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
19	TRP	Every30	Every30	WIFI (AP)	WIFI_A (54M)	36	5180	20.7	-3.94	14.66
20	TRP	Every30	Every30	WIFI (AP)	WIFI_A (54M)	100	5500	22.8	-3.53	15.64
21	TRP	Every30	Every30	WIFI (AP)	WIFI_A (54M)	165	5825	25.52	-0.55	17.82
22	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_A (54M)	36	5180	-51.63	-77.03	-70.95
23	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_A (54M)	100	5500	-52.03	-78.74	-71.55
24	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_A (54M)	165	5825	-51.51	-77.56	-69.91

WIFI Subnet Test Standing Wave Map

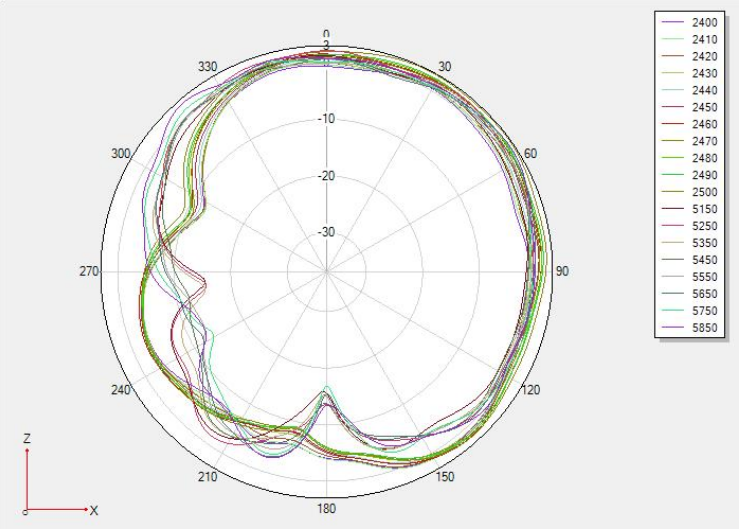


WIFI Passive Test Data

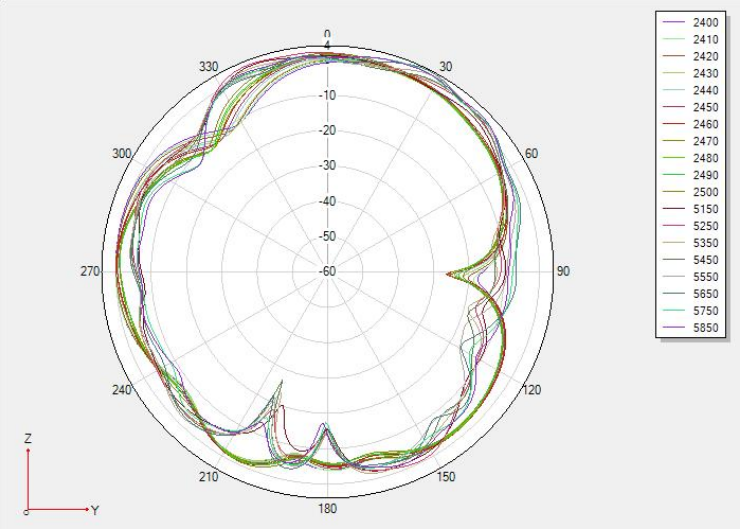
Frequency	Efficiency (%)	Gain. (dBi)
2400	48.87	3.56
2410	52	3.64
2420	47.42	3.43
2430	46.99	2.75
2440	48.08	2.77
2450	53.09	2.95
2460	50.82	3.03
2470	47.42	2.37
2480	49.09	2.64
2490	52.72	2.65
2500	52.72	3.23
5150	59.29	2.56
5250	57.02	3.02
5350	66.07	2.37
5450	54.95	2.3
5550	61.8	3.1
5650	62.23	4
5750	63.83	4.15
5850	63.1	3.84

WIFI Test 2D Diagram

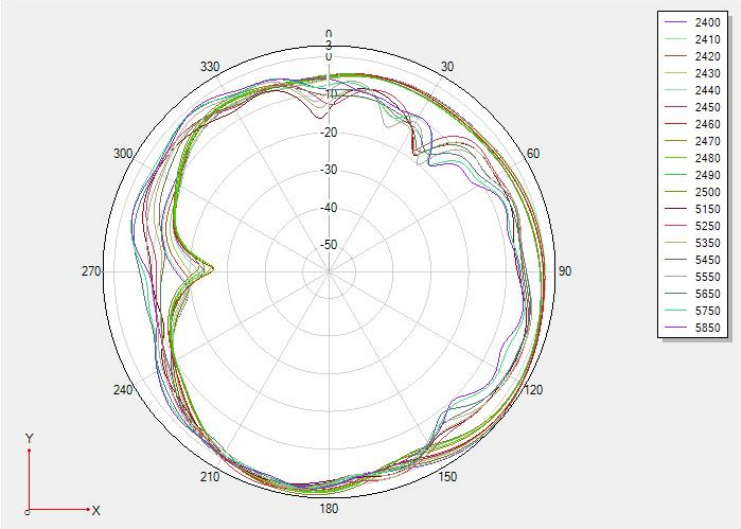
Phi 0



Phi 90

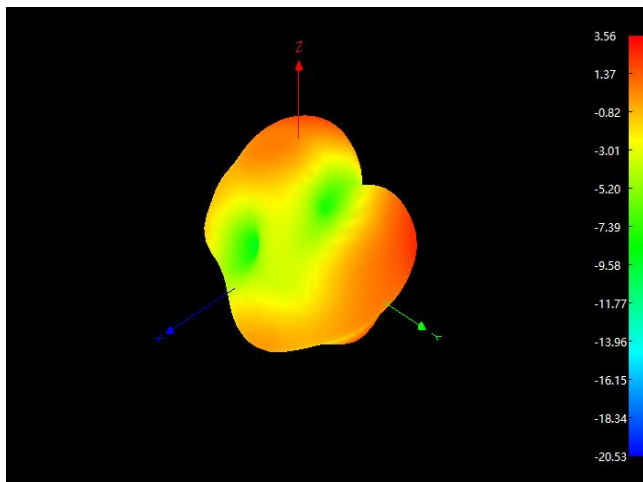


Theta 90

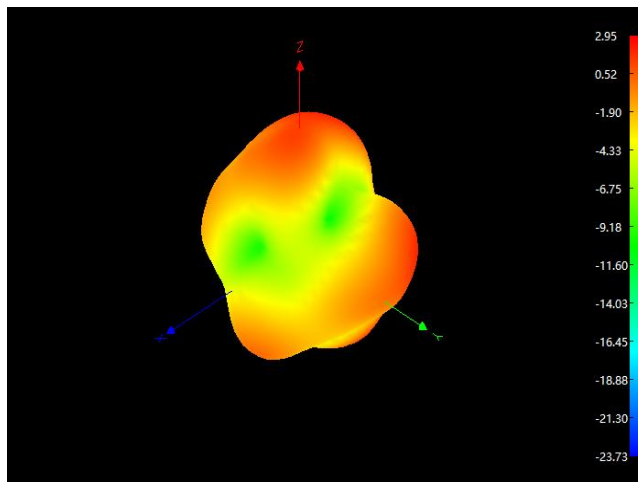


WIFI Test 3D Diagram

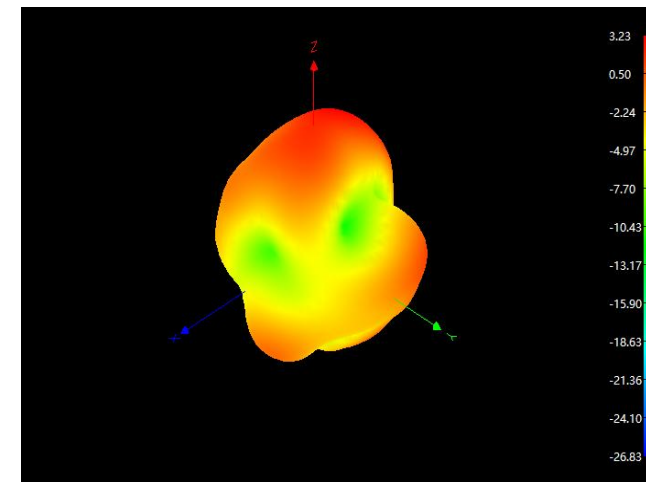
2400



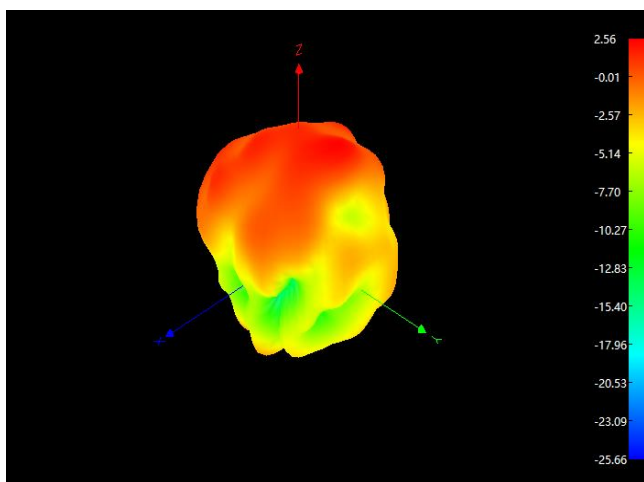
2450



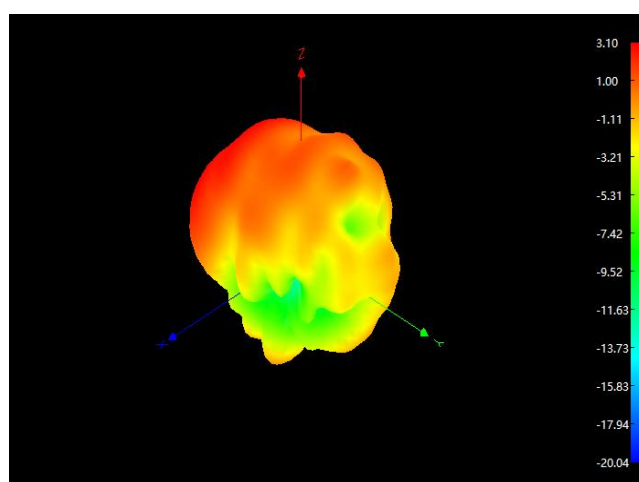
2500



5150



5550



5850

