



SHENZHEN YINGJIACHUANG ELECTRONIC TECHNOLOGY CO.,LTD.

Product Antenna Tuning Report

TIME: 2022/05/09

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Map of antenna position:



Length: 8.5CM

WIFI ANT& BT ANT

OTA

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

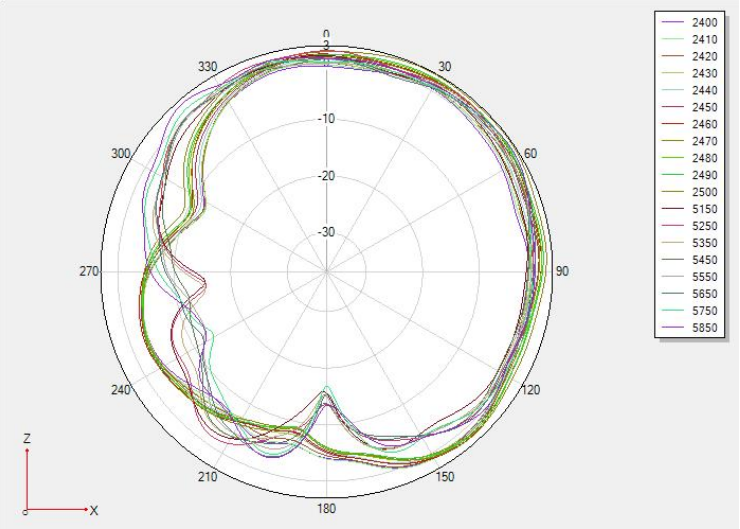


WIFI Passive Test Data

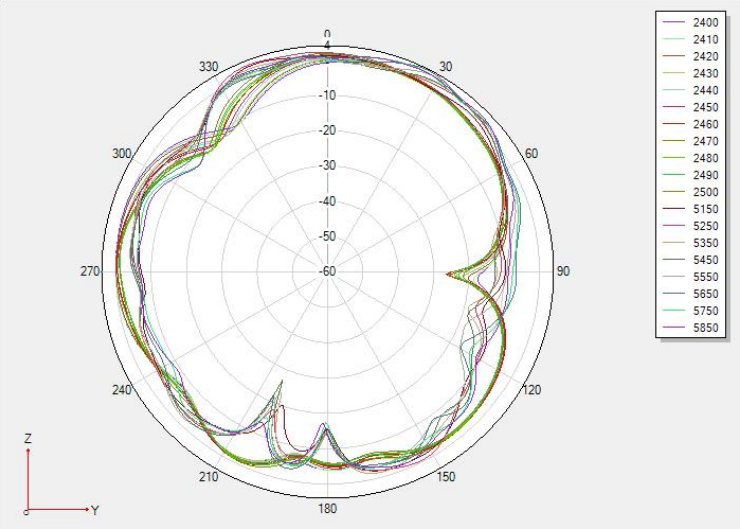
Frequency	Efficiency (%)	Gain. (dBi)
2400	48.87	-0.14
2410	52	-0.47
2420	47.42	-0.54
2430	46.99	1.50
2440	48.08	-0.14
2450	53.09	-0.24
2460	50.82	-0.24
2470	47.42	-0.24
2480	49.09	-1.25
2490	52.72	-0.24
2500	52.72	-0.24

WIFI Test 2D Diagram

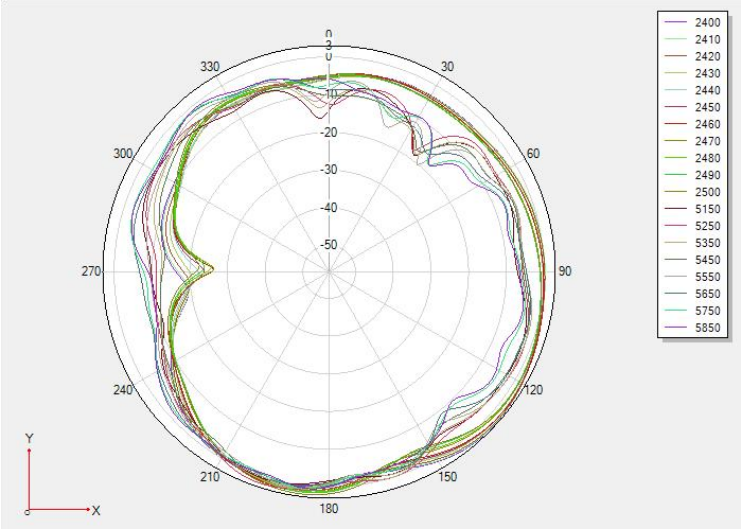
Phi 0



Phi 90

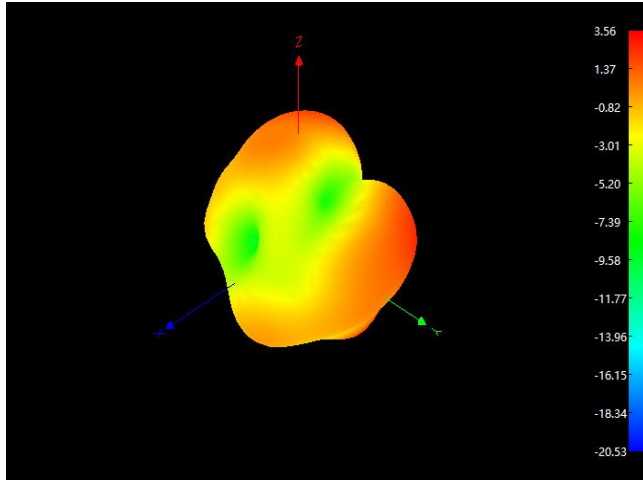


Theta 90

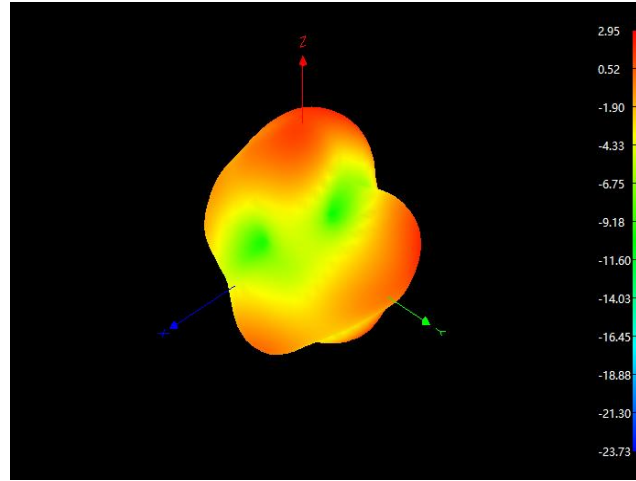


WIFI Test 3D Diagram

2400



2450



2500

