



Shenzhen Yunding Communication Electronics
Co.,Ltd.

A018 V1.0- Antenna Test Report

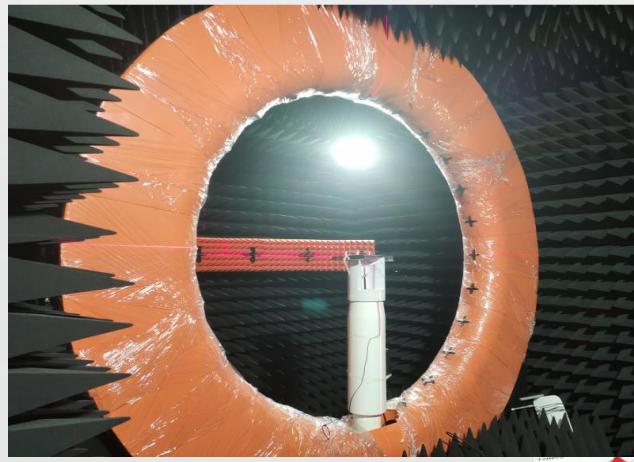
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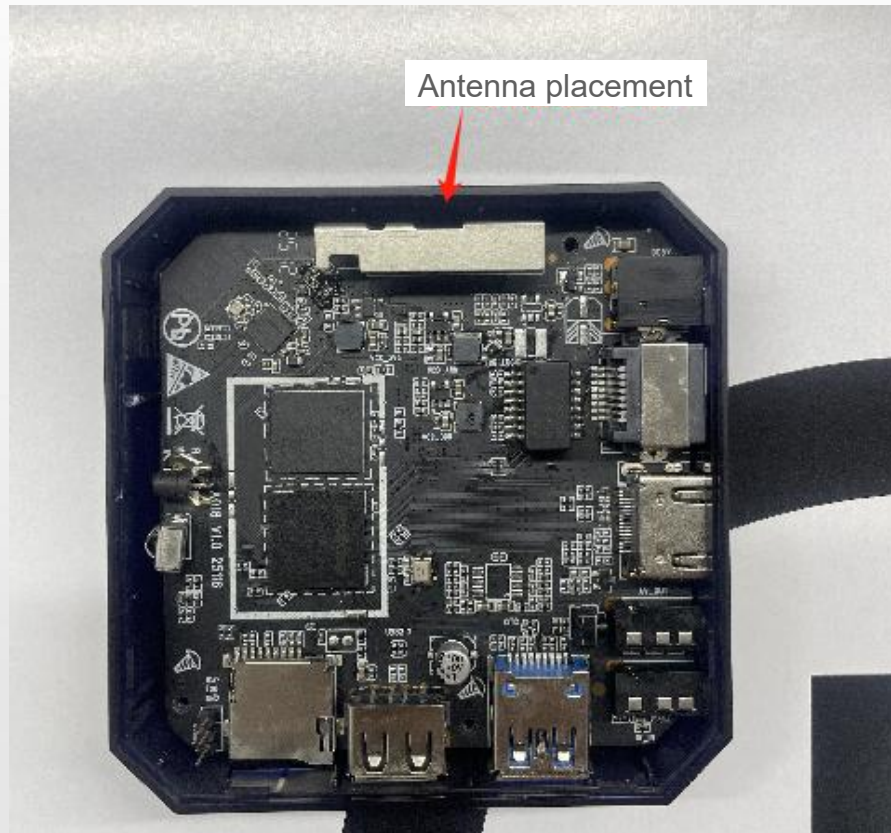
1、Test Environment





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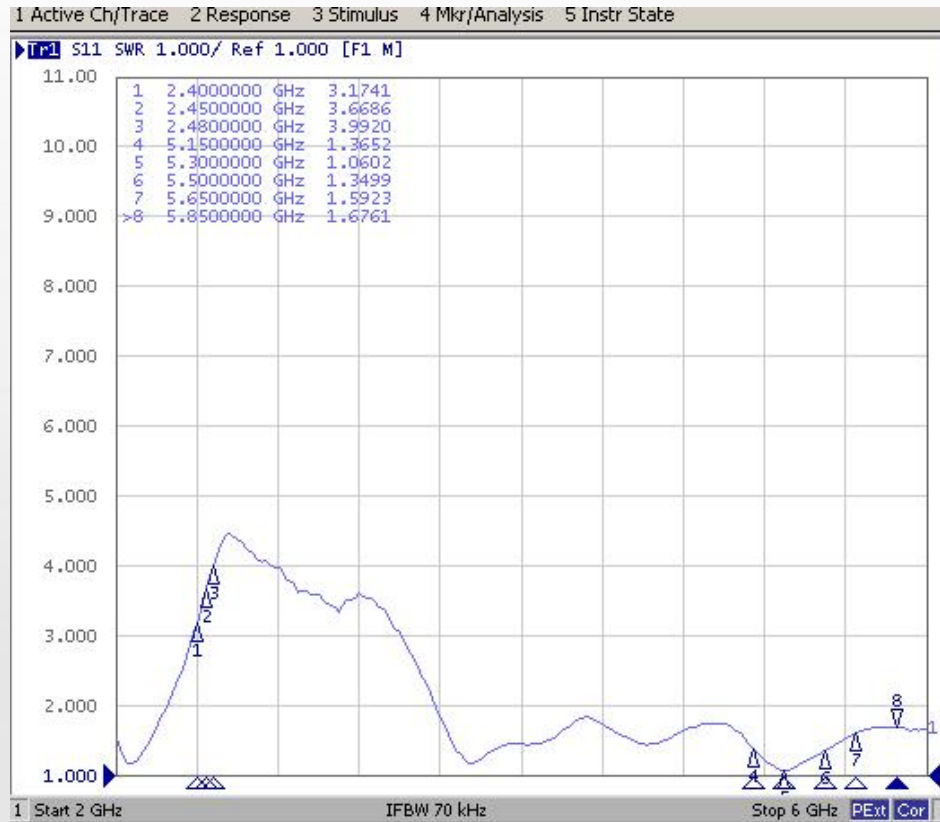
2、Antenna Assembly Drawing





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3、Antenna matching VSWR





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4、Antenna - OTA test data TRP/TIS

Item	Measurement	Standard	Band	Channel	Frequency	Total
1	TRP	WIFI (AP)	WIFI_B (11M)	1	2412	16.7
2	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	1	2412	-72
3	TRP	WIFI (AP)	WIFI_B (11M)	6	2437	15.45
4	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	6	2437	-72.36
5	TRP	WIFI (AP)	WIFI_B (11M)	11	2462	13.27
6	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	11	2462	-75.34
7	TRP	WIFI (AP)	WIFI_A (54M)	36	5180	11.31
8	TIS(EIRP)	WIFI (AP)	WIFI_A (54M)	36	5180	-69
9	TRP	WIFI (AP)	WIFI_A (54M)	100	5500	9.46
10	TIS(EIRP)	WIFI (AP)	WIFI_A (54M)	100	5500	-68.42
11	TRP	WIFI (AP)	WIFI_A (54M)	165	5825	10.56
12	TIS(EIRP)	WIFI (AP)	WIFI_A (54M)	165	5825	-70.35

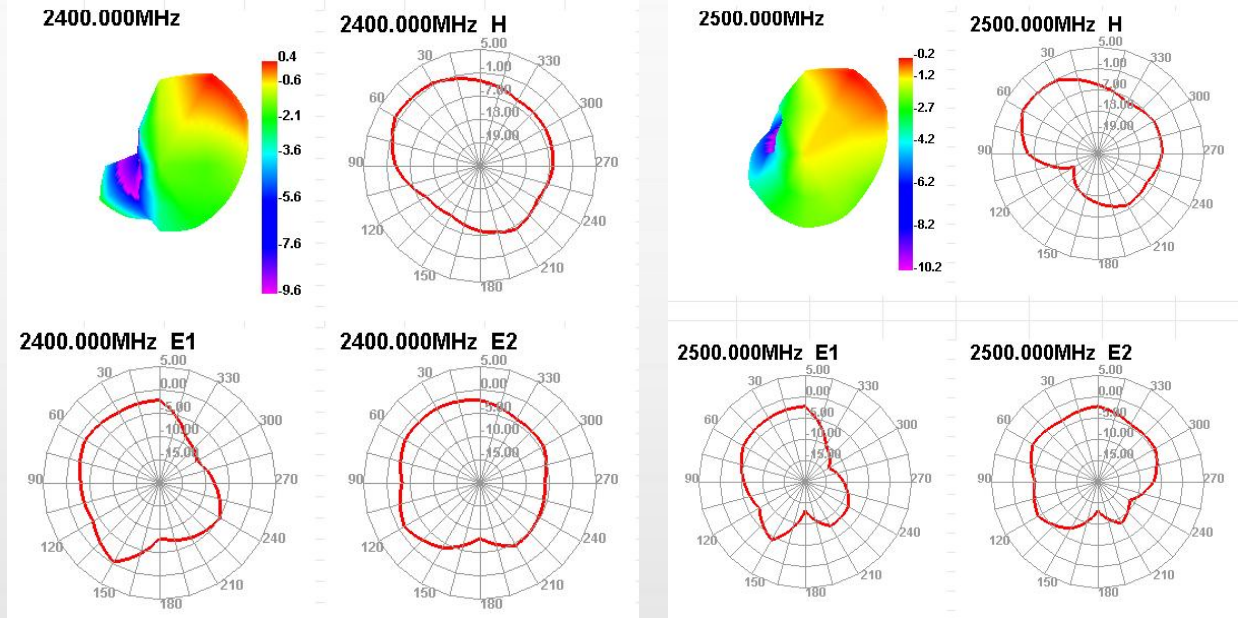




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5、Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	42.17	0.38
2410	37.81	0.21
2420	37.45	0.35
2430	34.5	0.15
2440	34.7	0.28
2450	33.01	0.12
2460	35.58	0.54
2470	31.5	0.11
2480	33.17	0.37
2490	30.87	0.1
2500	28.15	-0.23





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5、Antenna efficiency and gain

Passive Test For WIFI5.8		
5150	44.56	1.06
5200	42.09	0.53
5250	39.89	0.65
5300	42.64	0.83
5350	50.31	1.57
5400	55.06	1.77
5450	50.38	1.47
5500	47.28	1.2
5550	46.98	1.13
5600	47.91	1.31
5650	47.74	1.32
5700	44.47	1.26
5750	49.99	1.5
5800	52.14	1.8
5850	51.58	1.57

