



Antenna Part Specification

Project name:	330A
Material category:	WIFI Antenna
Version:	V1.0
Date:	2022.12.16



Contents

I: The report of passive data	3
II: 3D Active test report of antenna.....	5
III: Matching circuit	6
IV: Environmental treatment.....	6
V: Structure file	7

Change record			
Compile / change date	Reason for change	Changed content	Version

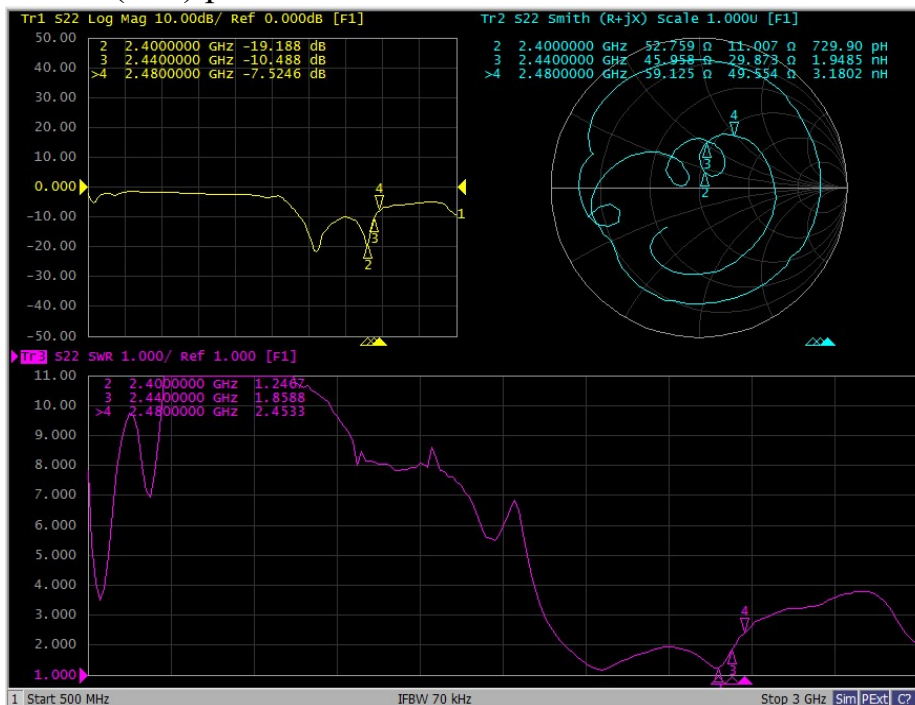


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:

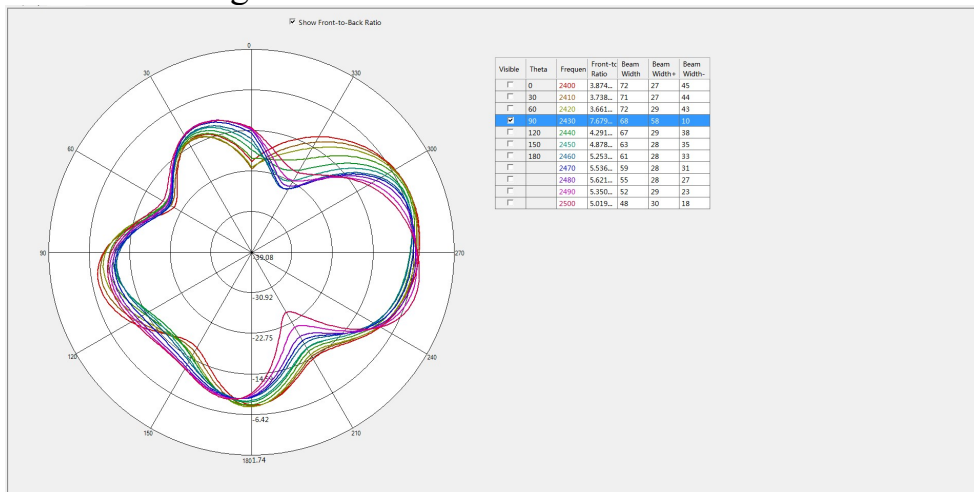


Efficiency:

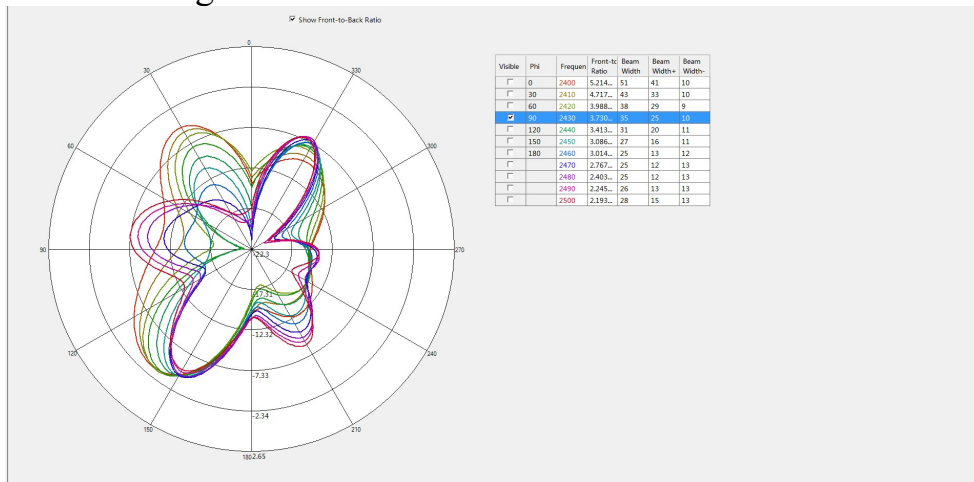
2400-2480 MHz (Left ear)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	2.63	-2.59	55
2410	2.70	-2.59	55
2420	2.74	-2.61	55
2430	2.33	-2.80	52
2440	1.99	-2.98	50
2450	1.92	-2.97	50
2460	1.68	-3.11	49
2470	1.80	-2.94	51
2480	2.23	-2.82	52
Average value	2.23	-2.82	52



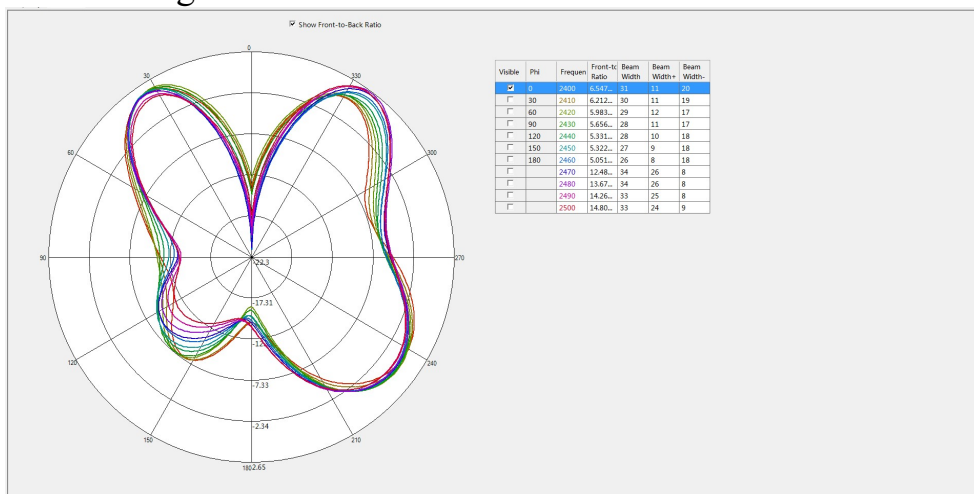
Antenna radiation pattern:
Theta=90.00deg



Phi=90.00deg

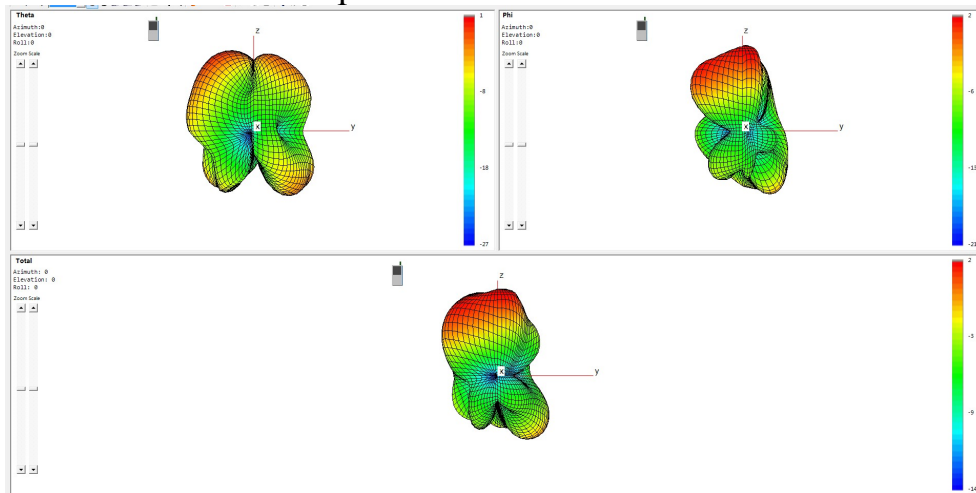


Phi=0.00deg





3D Antenna radiation pattern:



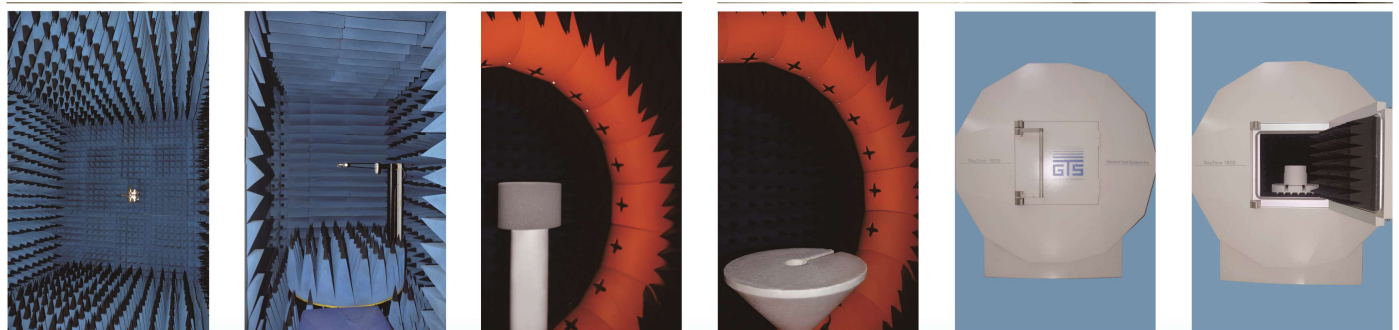
II: 3D Active test report of antenna

静态测试			
11M/11M	Channel	TRP (dBm)	TIS (dBm)
WIFI B	1	14.6	-85.7
	6	15.3	-86.0
	11	15.7	-85.2

动态测试			
11M	Channel	TRP (dBm)	TIS (dBm)
WIFI B	CH 1	14.6	-84.3
	CH 6	15.4	-84.4
	CH 11	15.8	-83.6

静态测试			
6M/54M	Channel	TRP (dBm)	TIS (dBm)
WIFI G	1	15.3	-75.5
	6	16.1	-75.7
	11	16.5	-75.4

动态测试			
6/54M	Channel	TRP (dBm)	TIS (dBm)
WIFI G	CH 1	15.3	-75.3
	CH 6	16.1	-75.6
	CH 11	16.6	-74.2

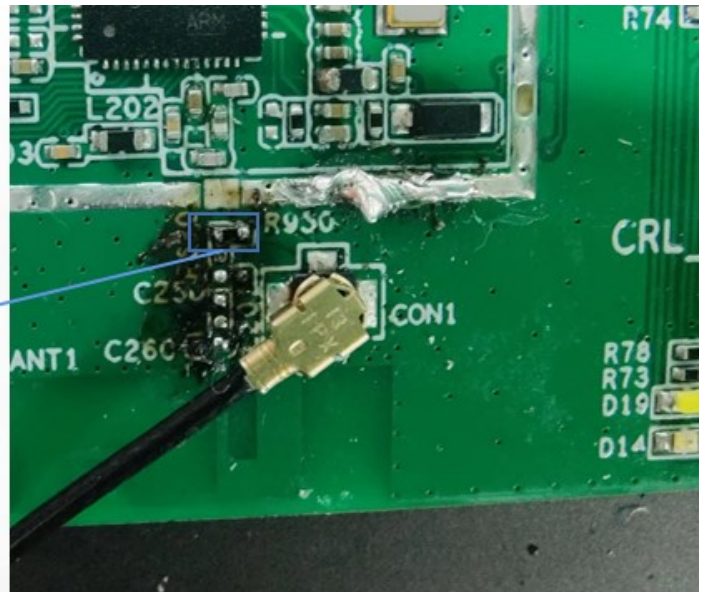


OTA Standard Chamber



III: Matching circuit

图示编号	匹配值
E1	0Ω



IV: Environmental treatment

注：FPC贴在空白区靠近左上角区域，相对离中扫马达和主板远一些的位置



V: Structure file

