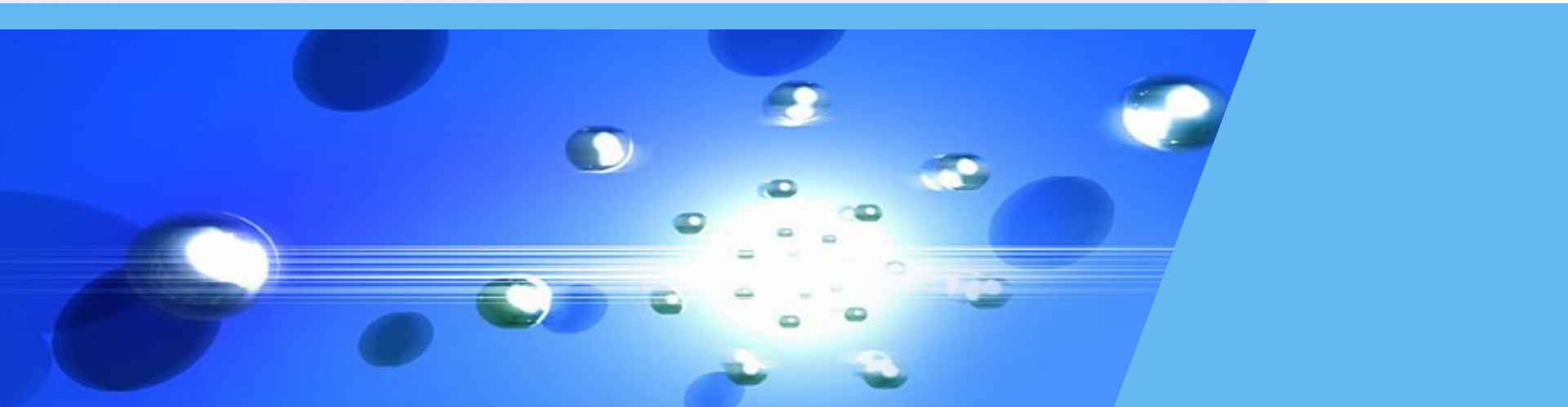


专业的**RF**研发机构



深圳市德威玛通讯设备有限公司

天线测试报告

1

2

item: **CF536**

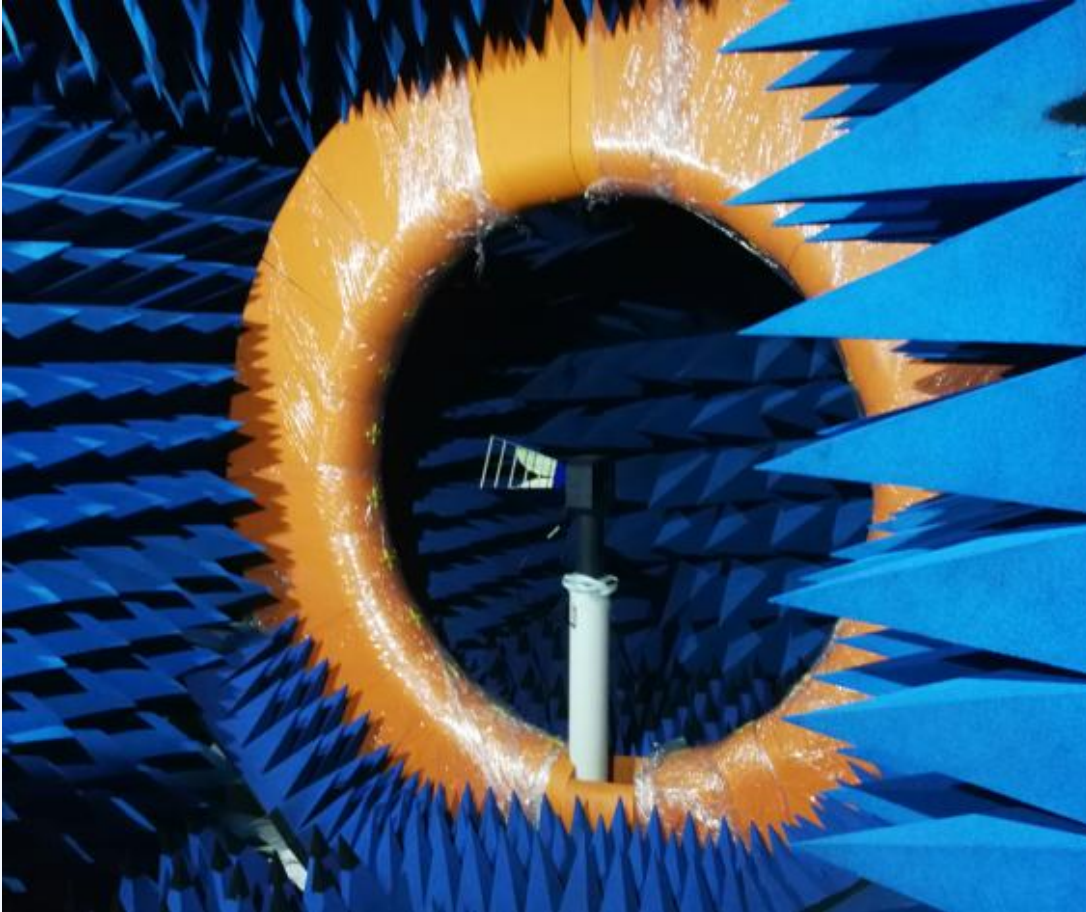
3

Band: **WIFI**

4

Note:

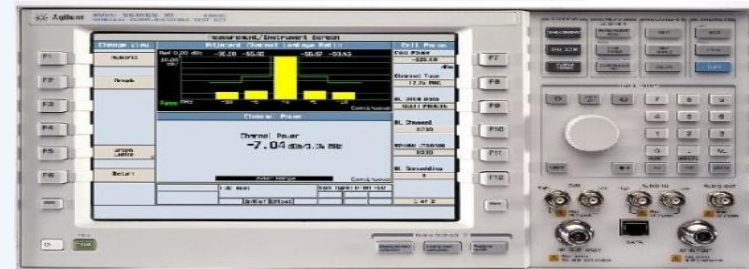
Testing equipment



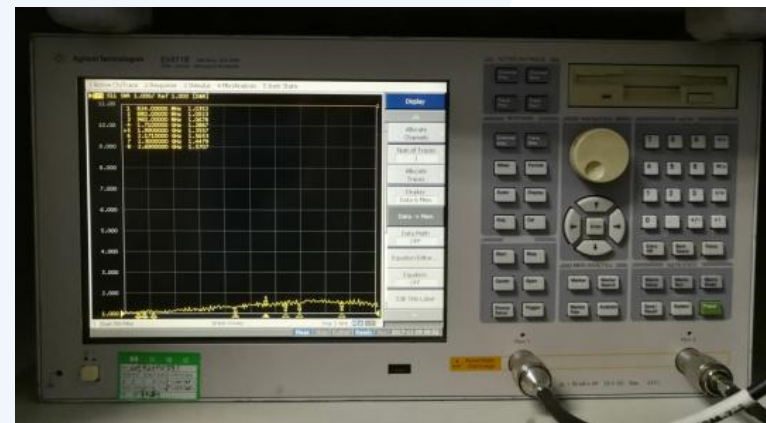
A 24-probe microwave chamber



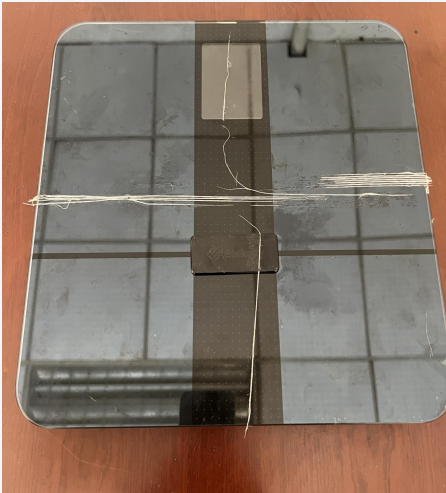
R&S CMW500



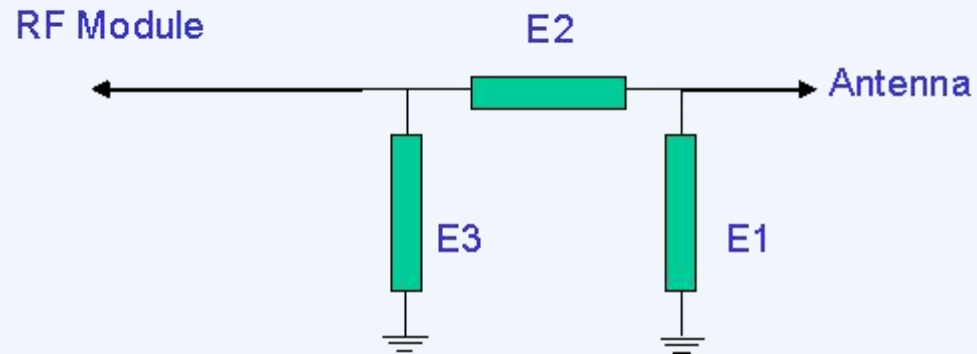
Agilent E5515C



Agilent Technologies E5071B

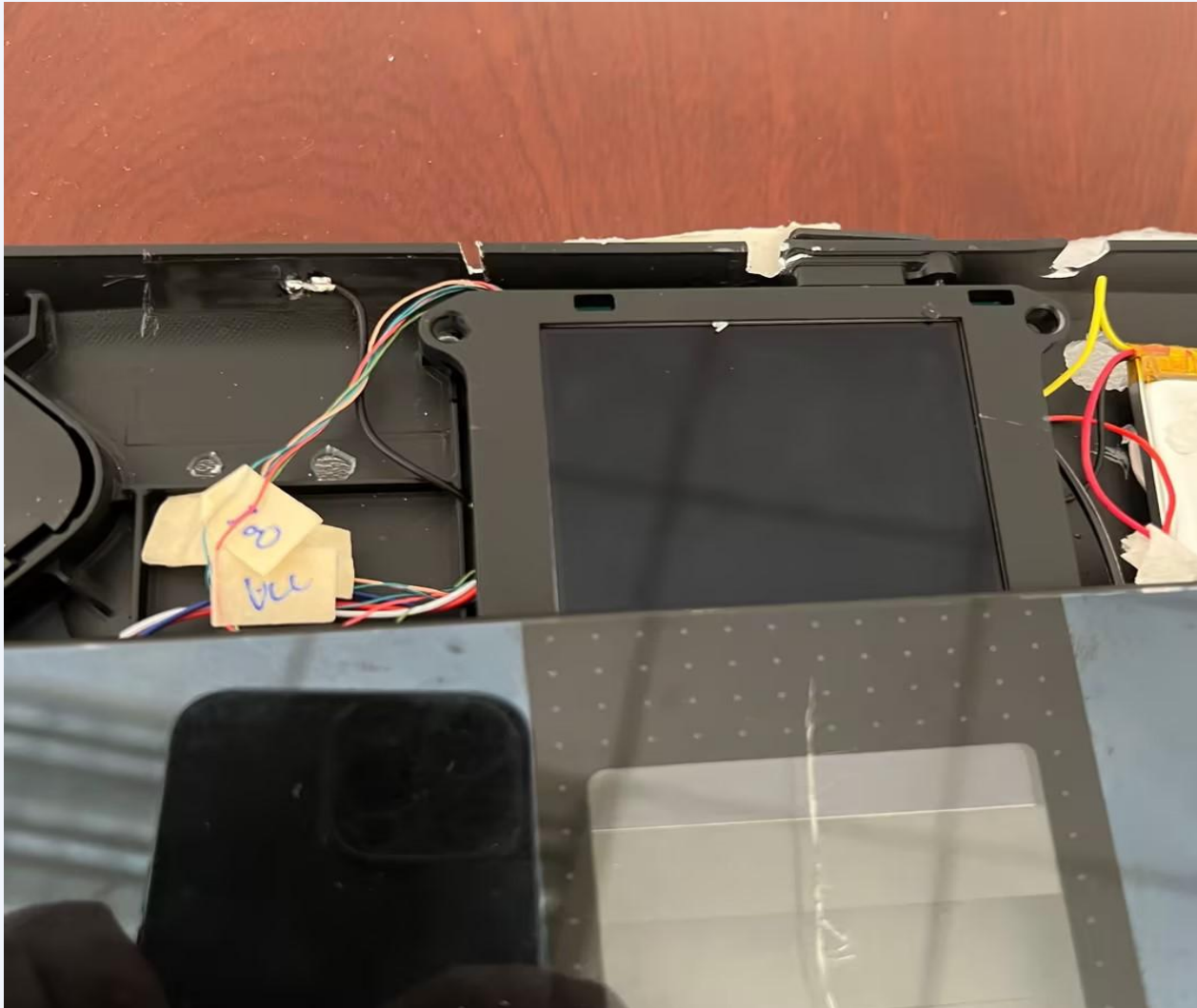
Band	WIFI:2400~2500MHz	test Engineer	覃球铭	Ver.	DWM- V1.0
					

WIFI Antenna matching circuit

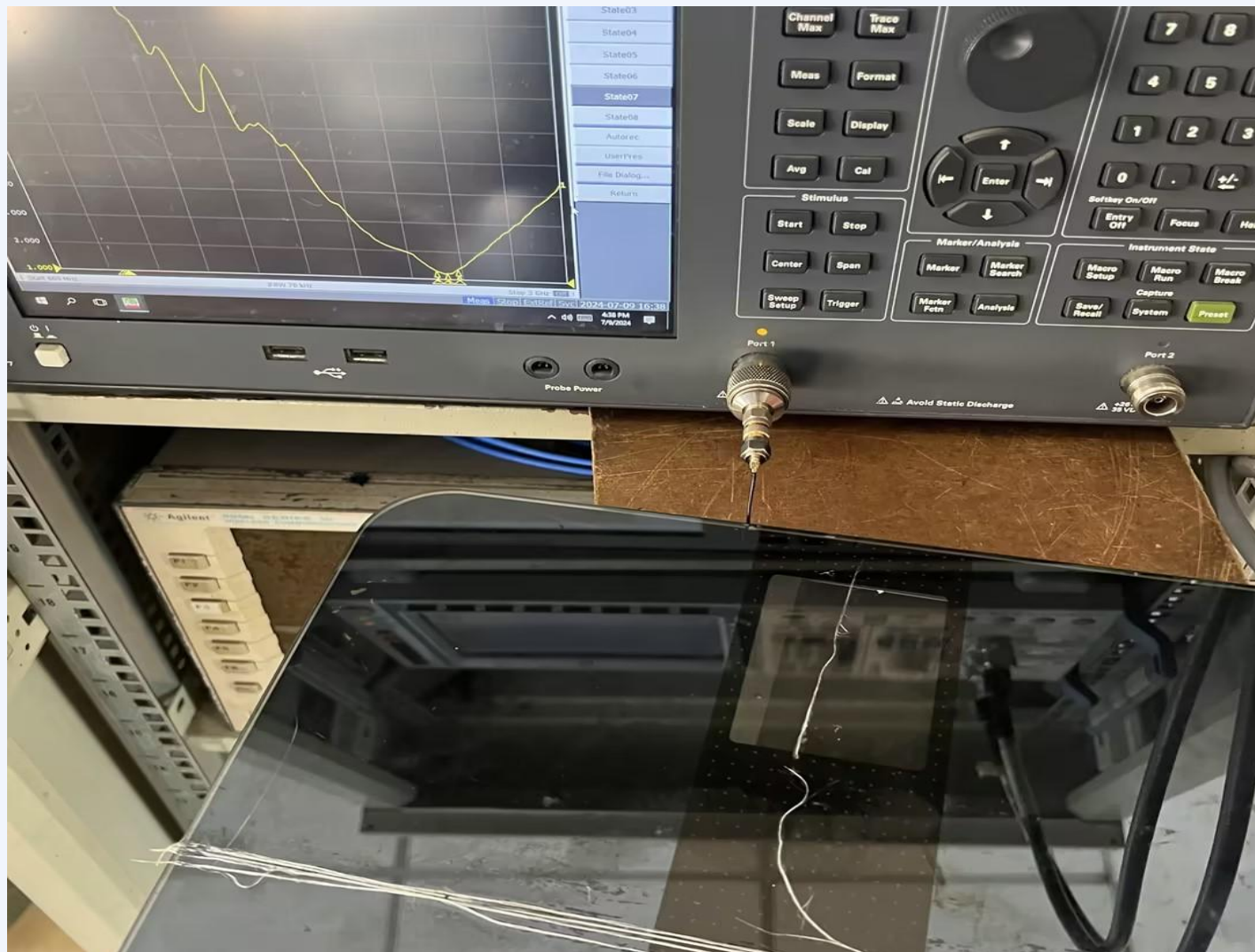


Element	Value	Vender
E1(0402)		
E2(0402)		
E3(0402)		

WIFI Antenna position



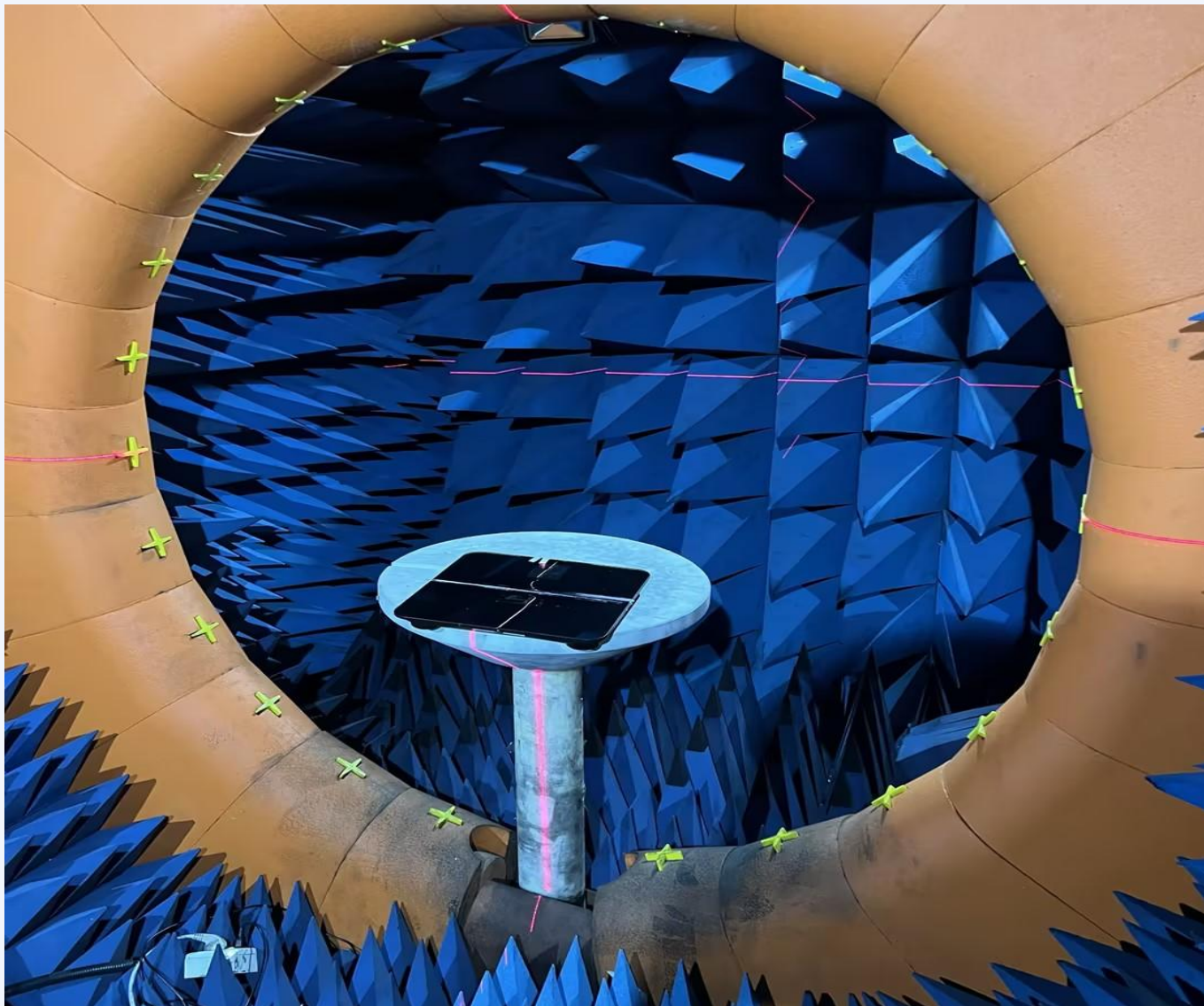
WIFI Antenna passive test



WIFI Antenna passive test



WIFI Antenna OTA

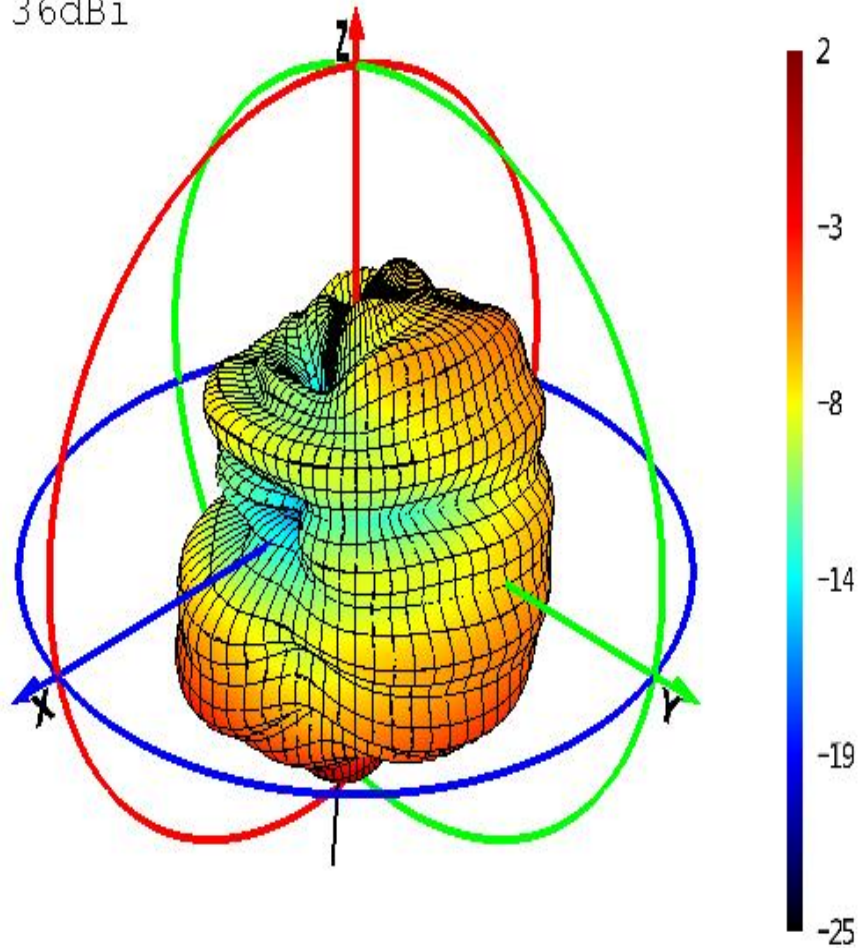


WIFI Antenna Gain and Efficiency

Frequency 频率(MHz)	Gain 增益(dBi)	MinGain 最小增益(dBi)	Efficiency 效率(%)
2400.00	1.88	-25.36	31.52
2410.00	1.64	-26.34	31.09
2420.00	1.70	-28.10	30.07
2430.00	1.78	-33.88	32.70
2440.00	1.74	-38.05	33.37
2450.00	1.20	-35.18	31.58
2460.00	1.93	-31.18	30.15
2470.00	2.55	-28.98	30.65
2480.00	2.90	-27.07	34.19
2490.00	2.73	-25.13	34.67
2500.00	2.93	-25.63	34.97

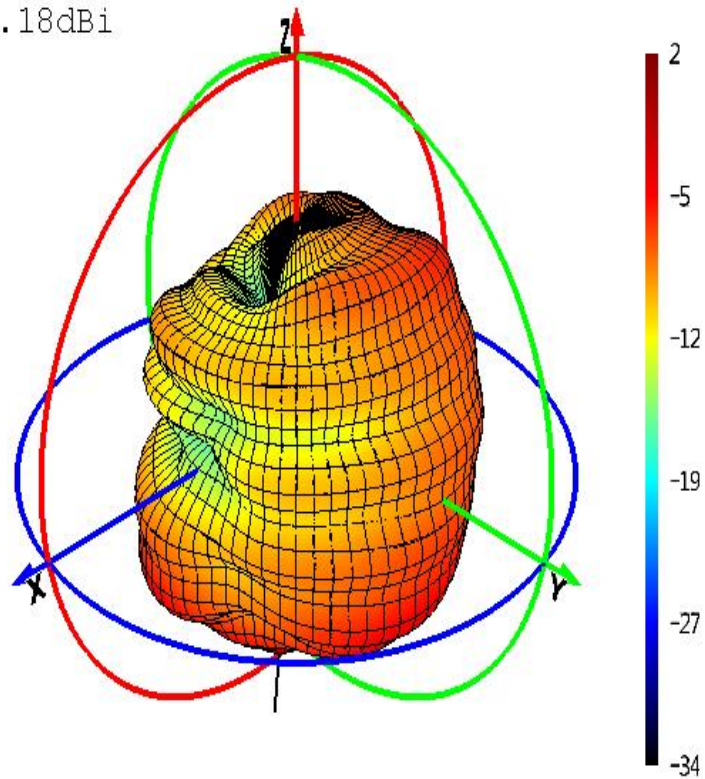
WIFI Antenna pattern (2400MHz)

MAX: 1.88dBi
MIN: -25.36dBi



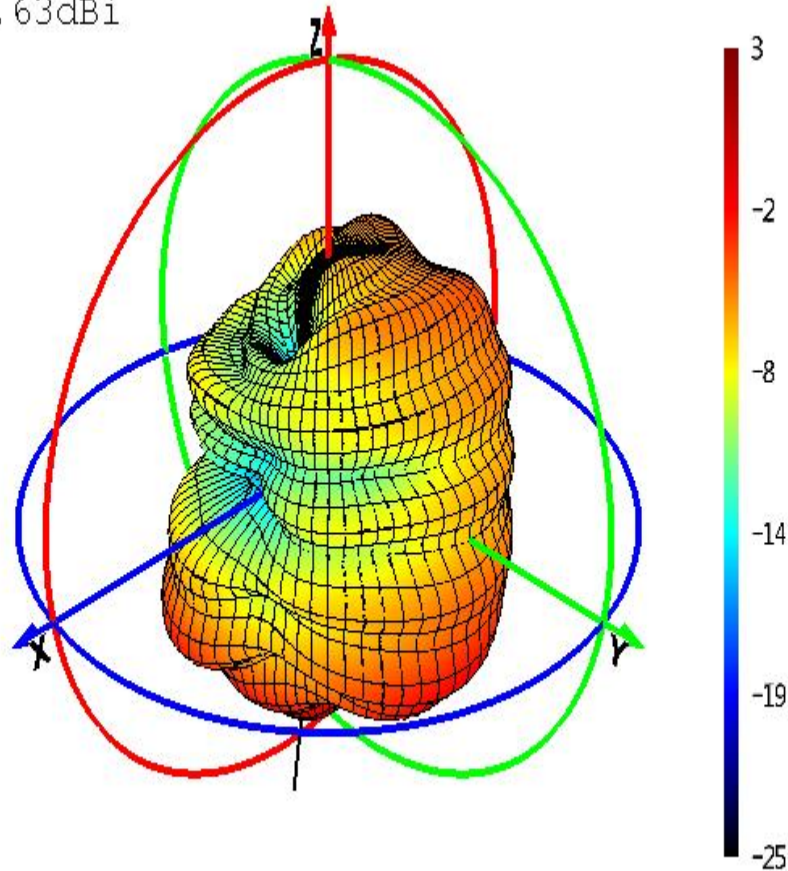
WIFI Antenna pattern (2450MHz)

MAX:1.2dBi
MIN:-35.18dBi



WIFI Antenna pattern (2500MHz)

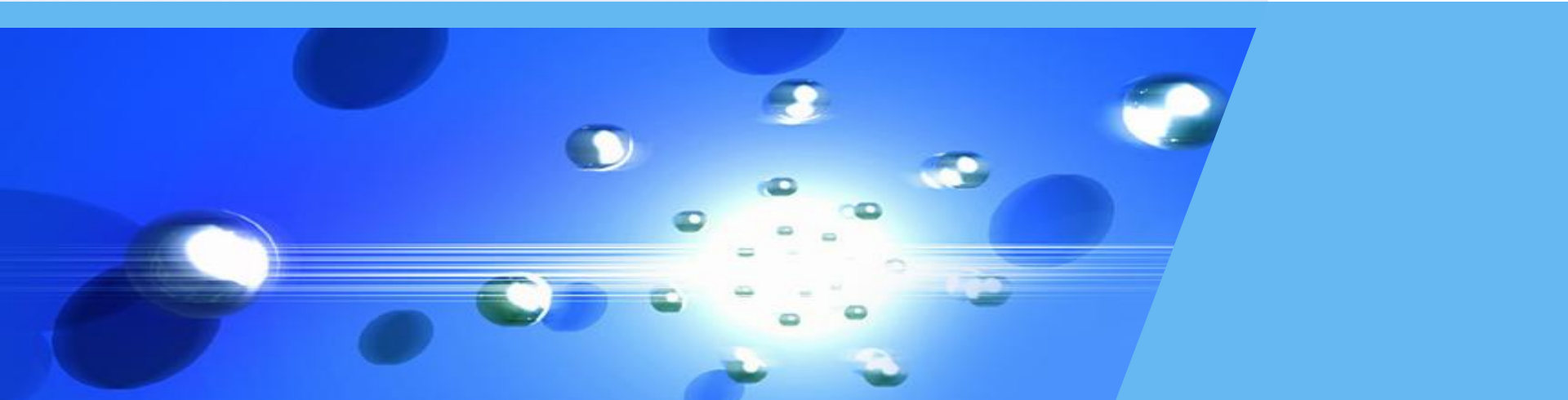
MAX: 2.93dBi
MIN: -25.63dBi



WIFI Antenna OTA test data

Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Total
1	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	14.36
2	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	14.92
3	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	15.65
4	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	-80.27

專業的**RF**研發機構



Thank You !

公司地址：深圳市宝安**23**区创业二路友谊大厦**1**栋**3**楼（地铁洪浪北**B**出口平安银行后面）