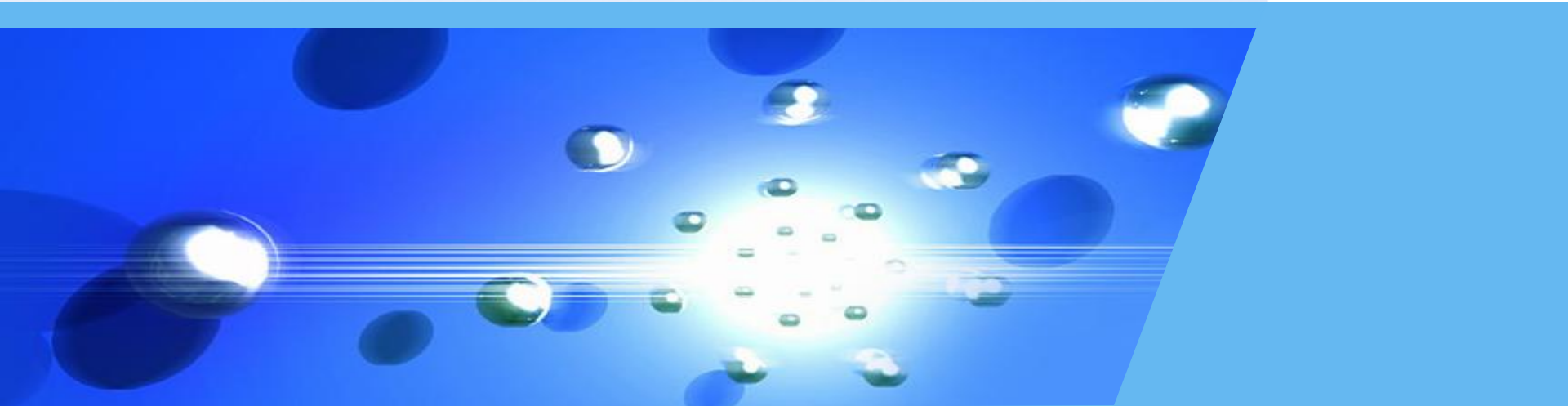


专业的**RF**研发机构



Shenzhen Deweima communication equipment Co., LTD

Antenna Test Report

10-27-2023

Item Information

1

Applicant: Shenzhen Zhencheng Technology Co., Ltd.

2

Model: C200 PRO

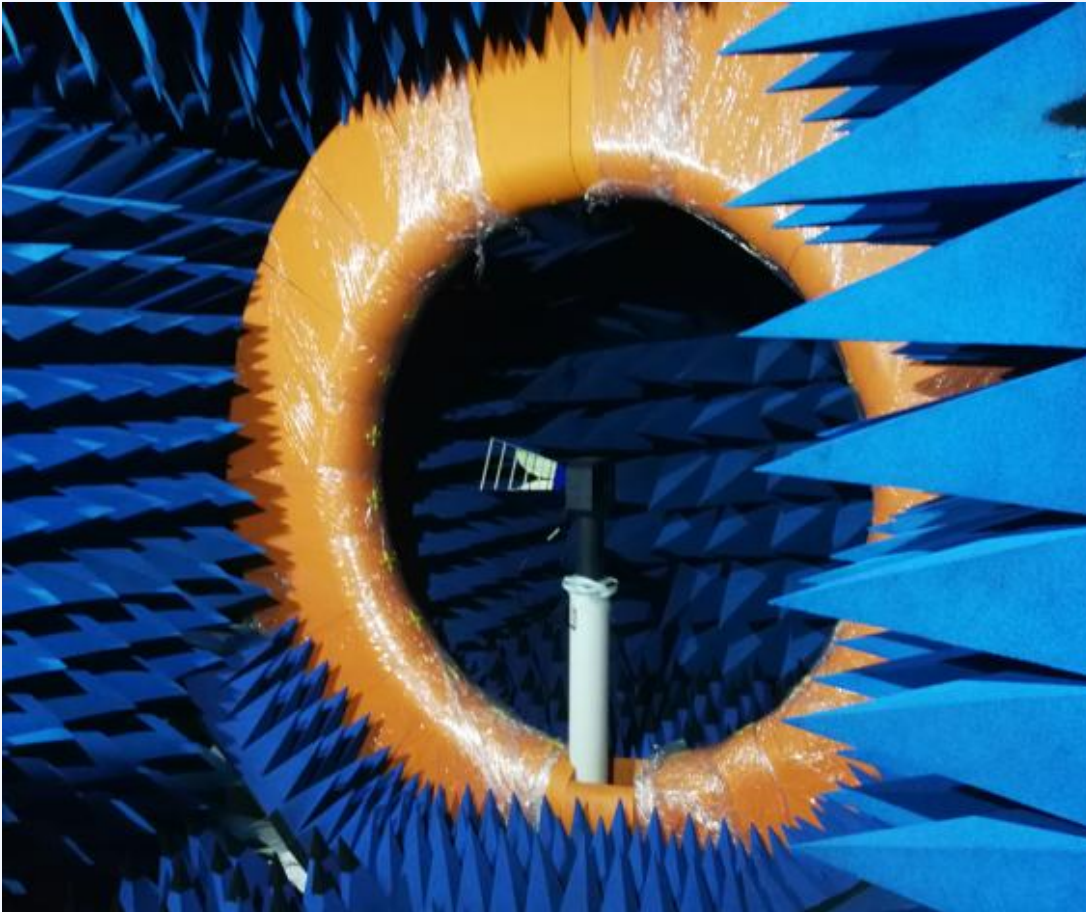
3

Frq: 2.4GHz/5.8GHz

4

Remark

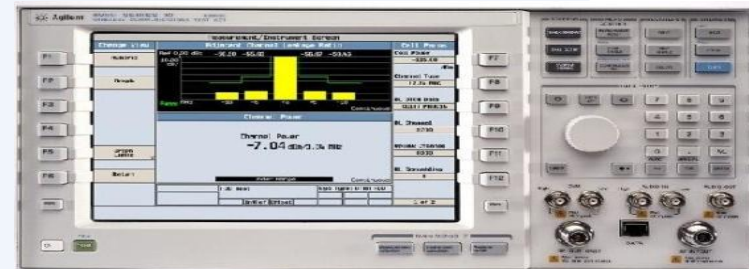
Testing equipment



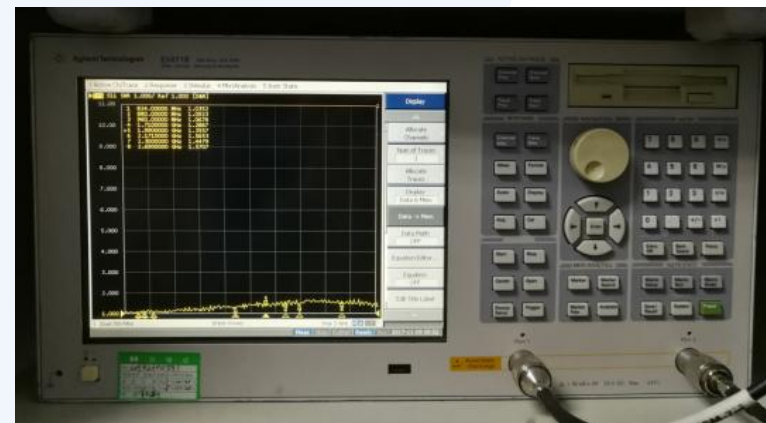
A 24-probe microwave chamber



R&S CMW500

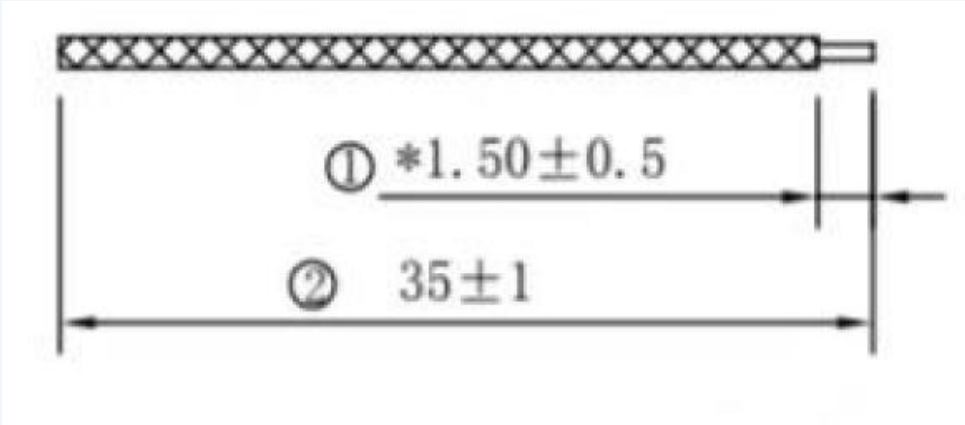


Agilent E5515C

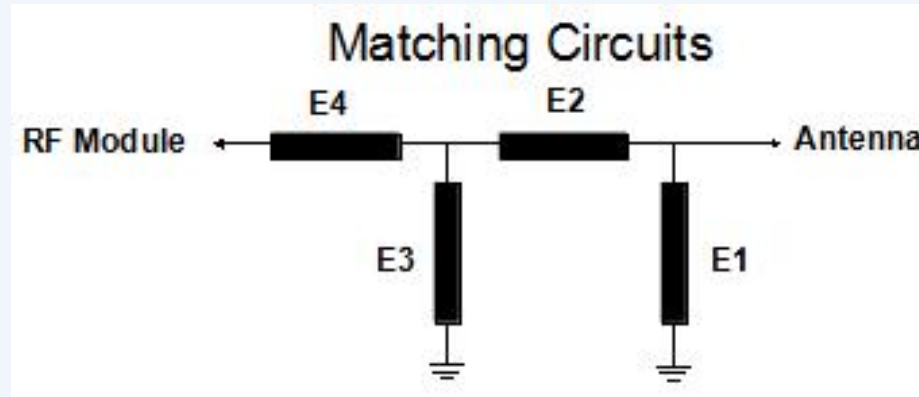


Agilent Technologies E5071B

Antenna instruction

Frq.	WIFI:2.4GHz/5.8GHz	versions	DWM-V1.0
drawing		WIFI Antenna matching circuit	
		E1	
		E2	
		E3	

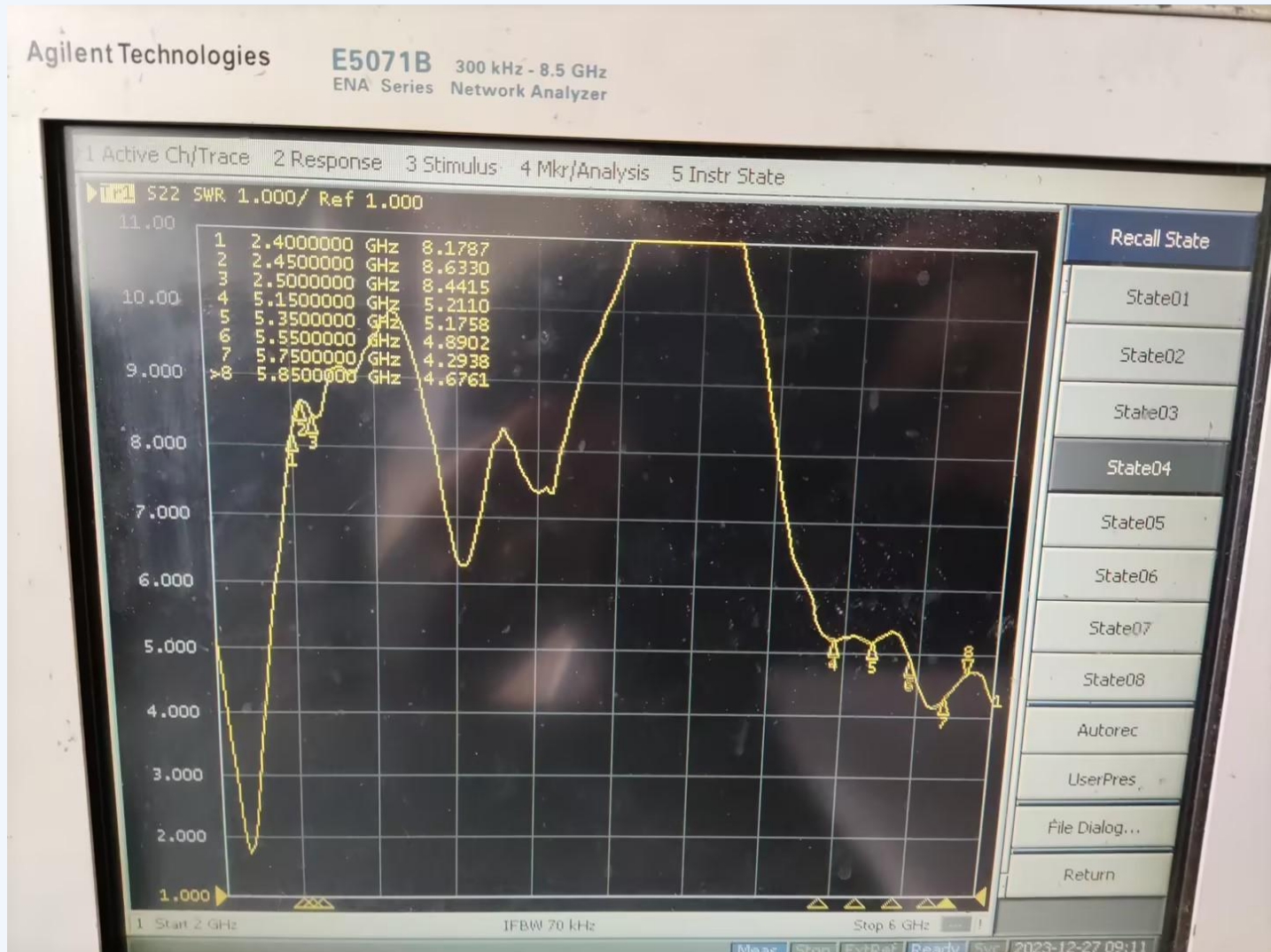
WiFi Antenna matching instruction



Element	Value	Vender
E1(0201)		
E2(0201)		
E3(0201)		
E4(0201)		

Our company has not changed this WIFI antenna matching circuit

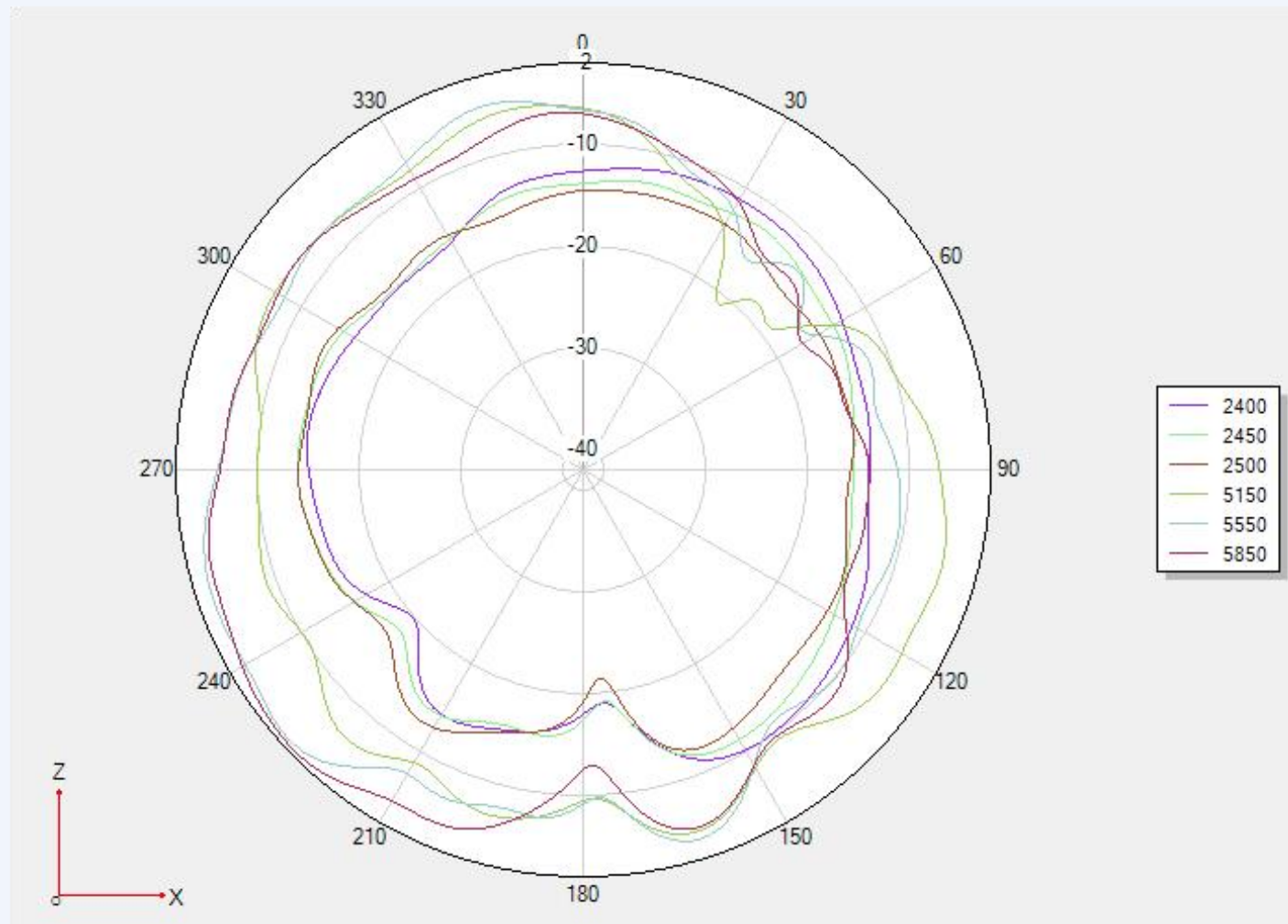
Passive standing wave



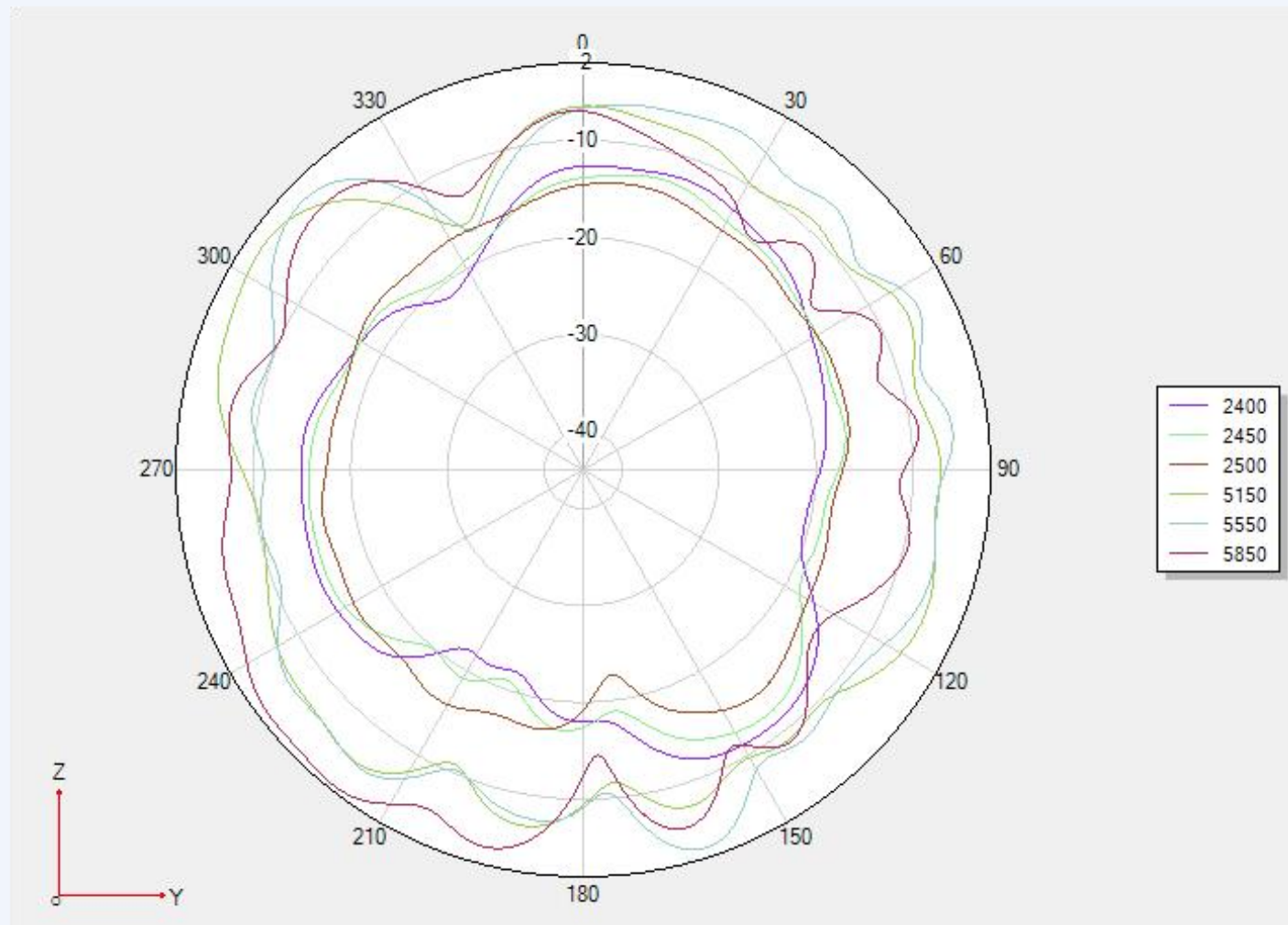
Efficiency/Gain

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/ dBi
2400	-15.46	2.84	-9.03
2410	-15.64	2.73	-9.7
2420	-15.68	2.7	-9.35
2430	-15.71	2.69	-9.31
2440	-16	2.51	-9.96
2450	-15.94	2.55	-10.05
2460	-16.08	2.47	-9.83
2470	-16.3	2.34	-10.71
2480	-16.27	2.36	-10.76
2490	-16.23	2.38	-10.69
2500	-16.61	2.18	-10.92
5150	-9.42	11.43	-2.68
5200	-8.6	13.8	-1.86
5250	-8.35	14.62	-1.73
5300	-8.59	13.84	-2.05
5350	-8.37	14.55	-1.98
5400	-8.73	13.4	-2.01
5450	-8.96	12.71	-1.66
5500	-8.51	14.09	-1.21
5550	-9.01	12.56	-2.43
5600	-8.72	13.43	-1.63
5650	-8.62	13.74	-1.34
5700	-8.93	12.79	-1.32
5750	-9.16	12.13	-1.43
5800	-9.38	11.53	-1.56
5850	-9.47	11.3	-1.31

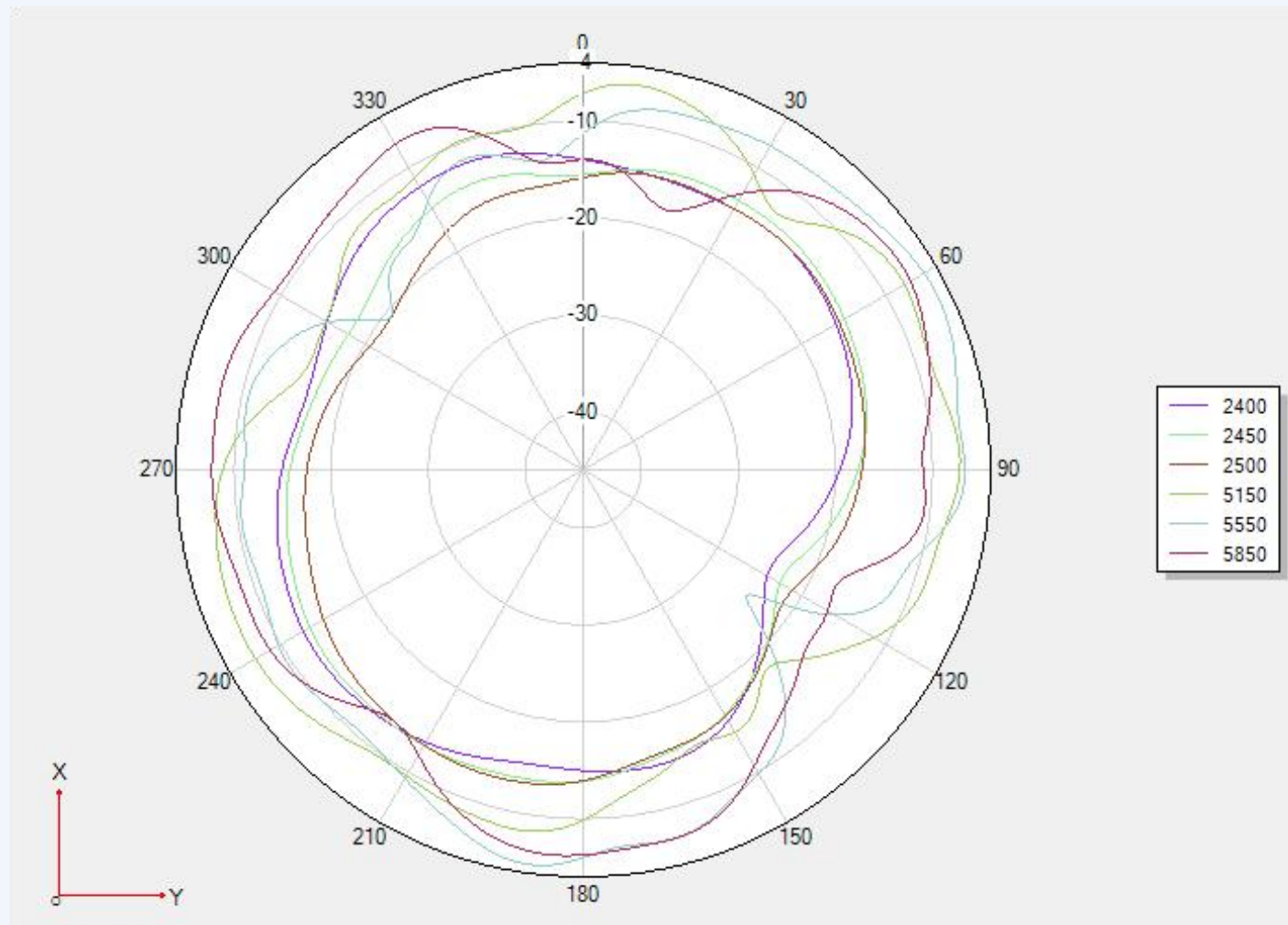
2D directional diagram (PHi0°)



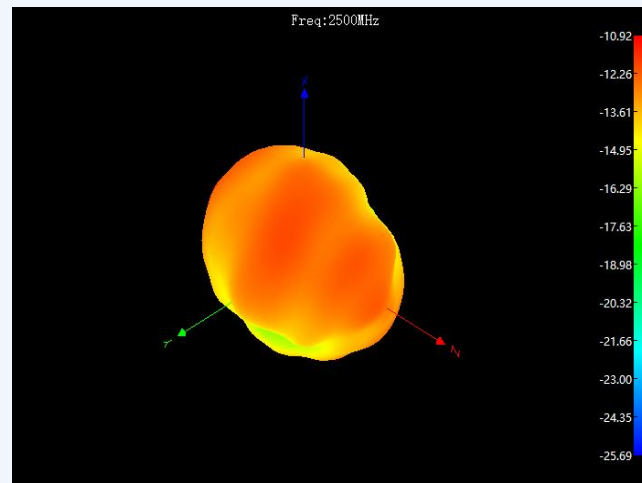
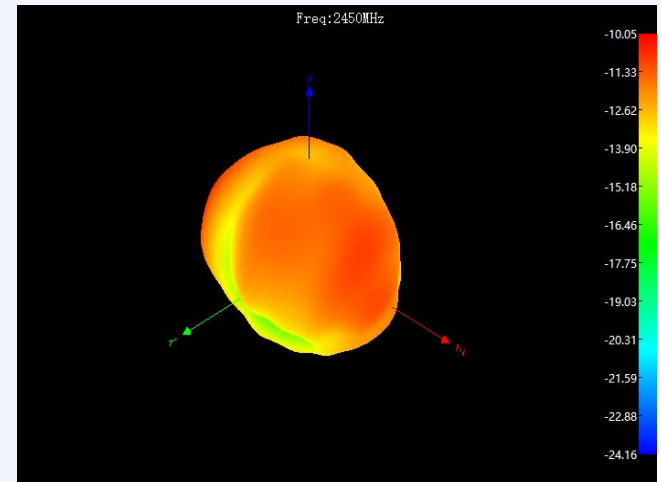
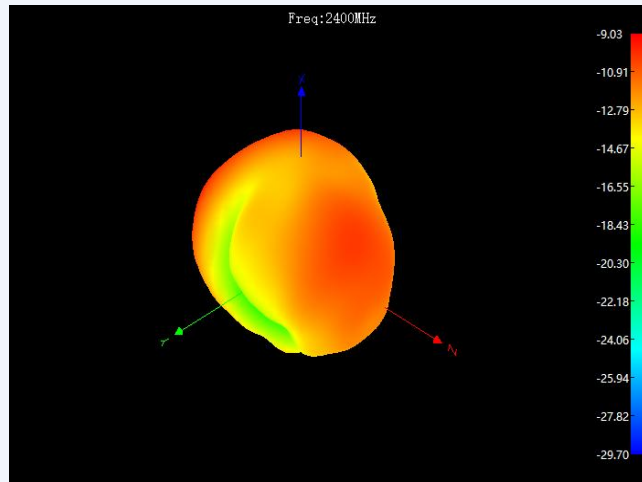
2D directional diagram (PHi90°)



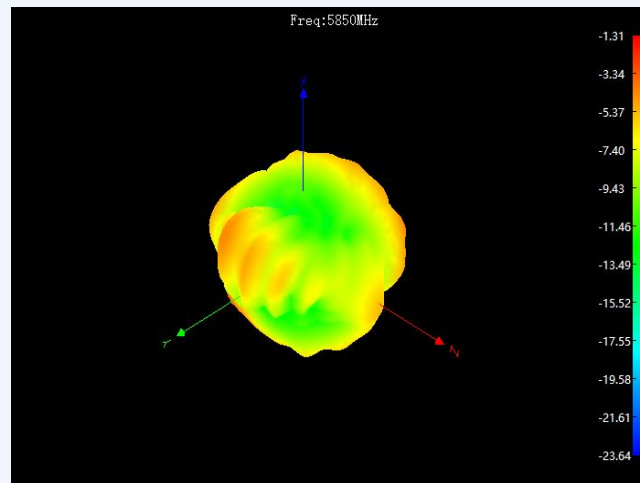
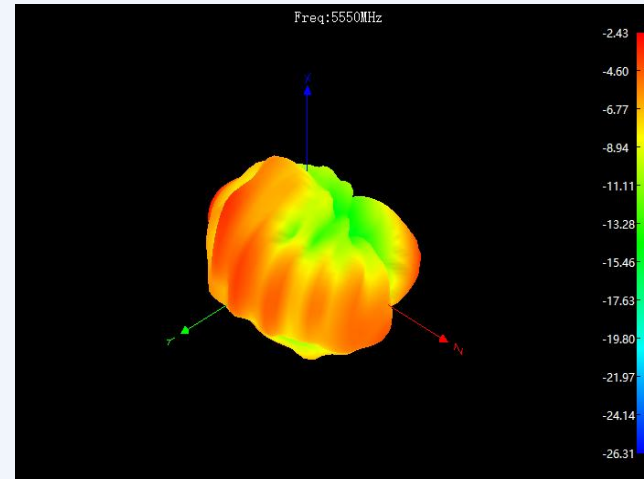
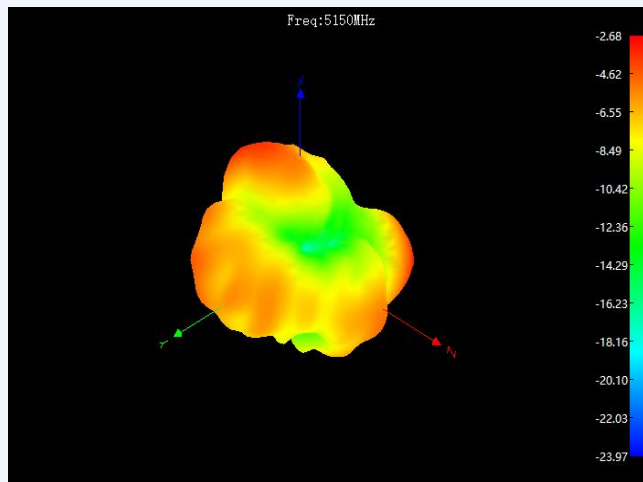
2D directional diagram (Theta°)



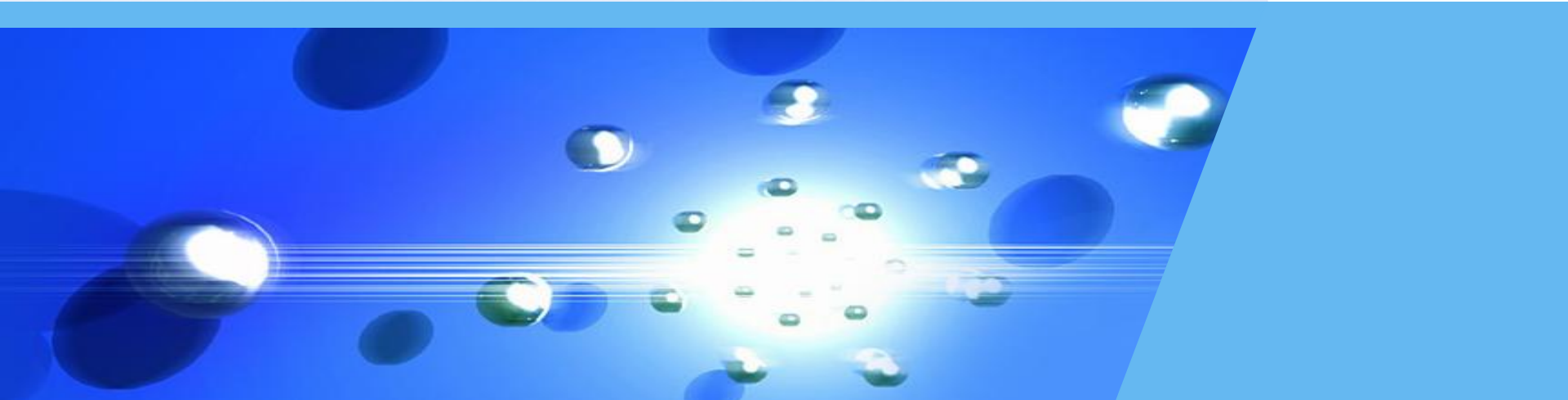
3D directional diagram



3D directional diagram



專業的**RF**研發機構



Thank You !

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