



深圳市云希科技有限公司

ShenZhen Yunxi Technology Co.,Ltd.

Antenna test Report

Customer: 尚蓝柏

Project Name:

RF Engineer:Wu Gong

Testing Date:2025-11-8

Operating band: 2.4G WIFI/BT

深圳市宝安区西乡街道固成上围园新园工业区 A1 栋 3 楼
3rd Floor, Building A1, Gucheng Shangwei Garden New Industrial Zone, Xixiang Subdistrict, Bao'an District,
Shenzhen



云希科技射频空间

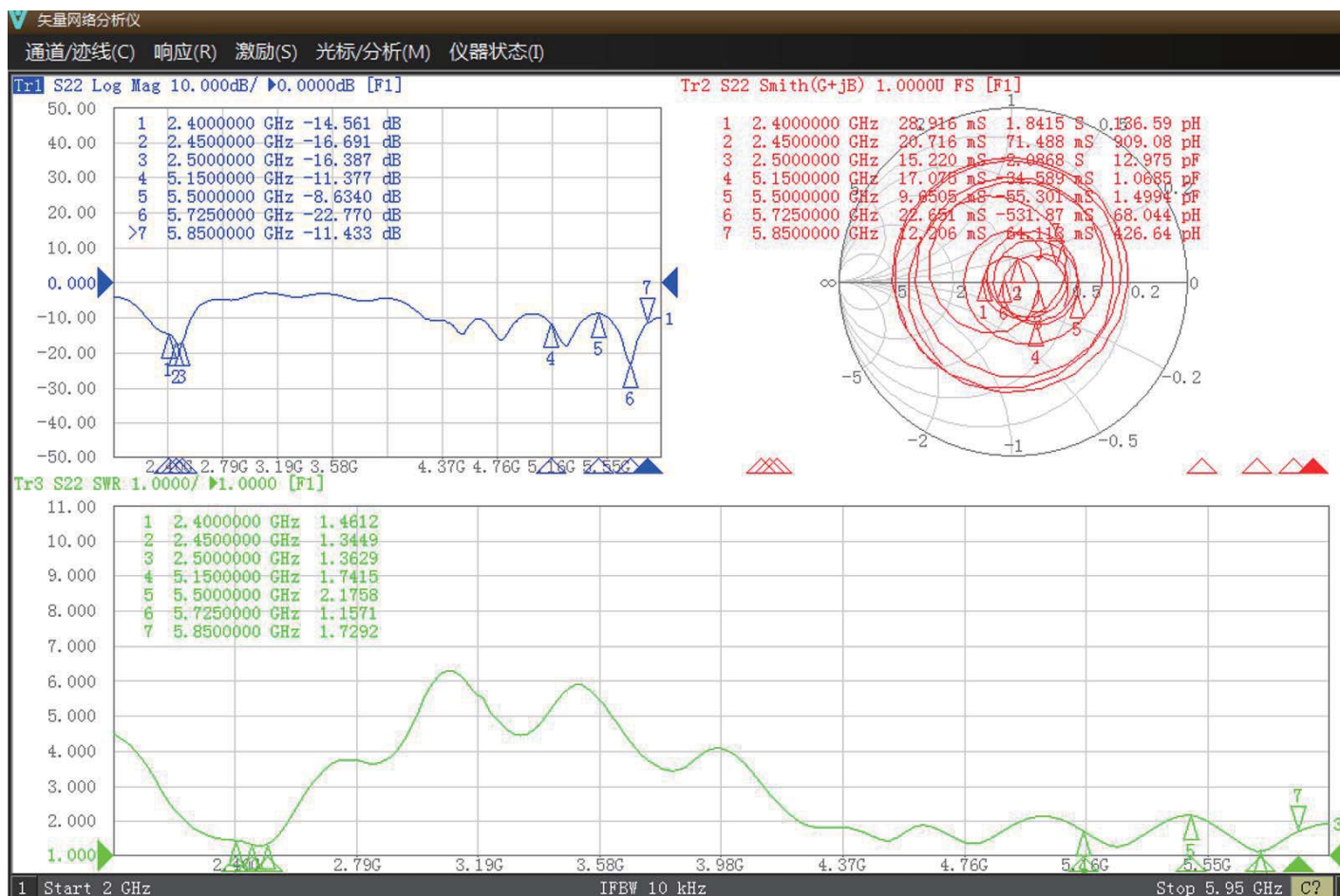
1.Project brief

NO.	ITEMS	DETAILS
1	工作频段 Operating band	2.4G/5GWIFI/BT
2	频率范围 Frequency range	(2400~2500MHz)
3	天线类型 Antenna Type	
4	天线材质及实现形式 Antenna material and implementation form	
5	天线料号 Antenna part number	F1613A-1B2-A V1.0
	天线料号 Antenna part number	F1613B-1B2-A V1.0
6	输入阻抗 Input Impedance	50 (Ω)
7	增益 Gain	
	RF	吴工
	ME	邹工

测试系统及测试设备



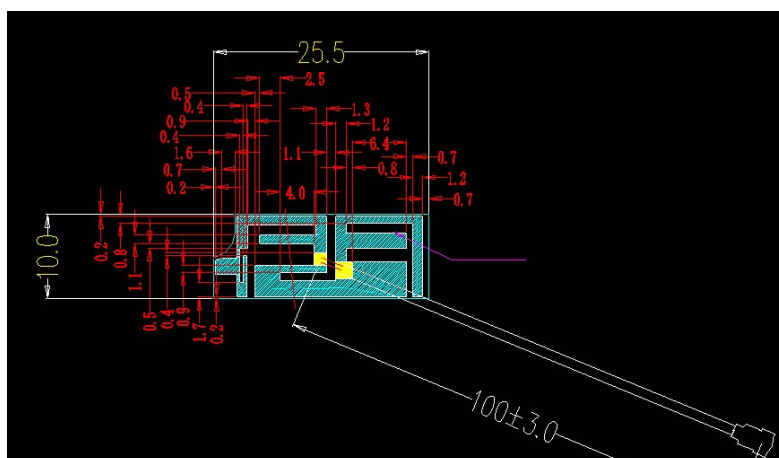
Antenna Standing Wave Diagram



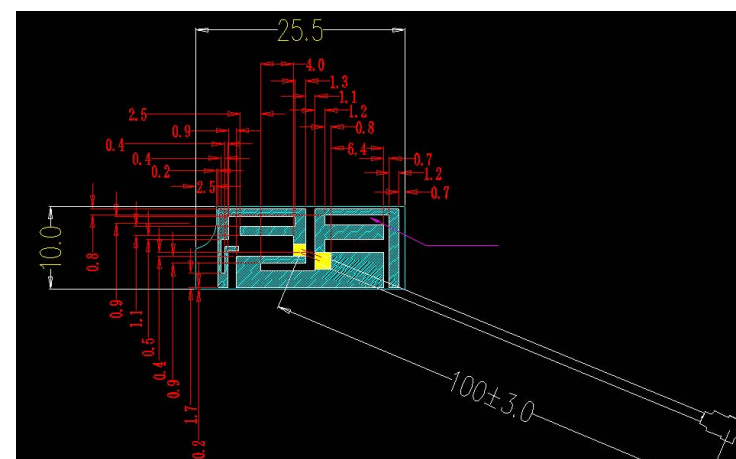
Antenna assembly environment processing diagram



F1613A-1B2-A V1.0:



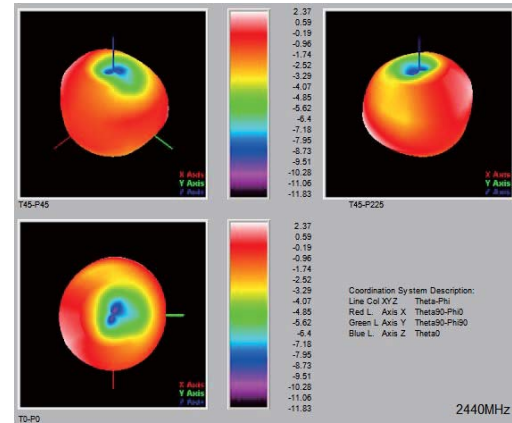
F1613B-1B2-A V1.0



Antenna efficiency and gain

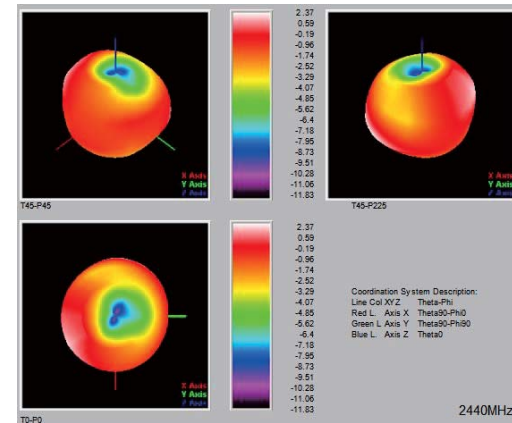
F1613B-1B2-A V1.0

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	44.02	-3.56	0.97
2410	45.17	-3.45	1.31
2420	50.87	-2.94	2.19
2430	49.73	-3.03	2.24
2440	48.42	-3.15	2.37
2450	46.65	-3.31	2.27
2460	41.34	-3.84	1.68
2470	37.03	-4.31	1.17
2480	35.53	-4.49	0.94
2490	36.13	-4.42	0.94
2500	35.29	-4.19	0.92



F1613A-1B2-A V1.0

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	41.25	-3.85	1.45
2410	42.82	-3.68	1.62
2420	44.84	-3.48	2.37
2430	43.66	-3.6	1.78
2440	40.26	-3.95	1.4
2450	38.82	-4.11	1.06
2460	35.86	-4.45	0.36
2470	34.39	-4.64	0
2480	33.49	-4.75	-0.36
2490	34.19	-4.66	-0.48
2500	33.25	-5.05	-0.99



Note: If there are any unclear or questionable locations regarding this project, please contact me promptly

