

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:2024-11-28

Operating band: 2.4G WIFI/BT

Manufacturer: Soundlab Technology Company Limited

Address: No.6-2, Shangxia Middle Road, Shangxia Area,

Dongjiang Science Park,Zhongkai High-tech Zone, Huizhou P. R. China

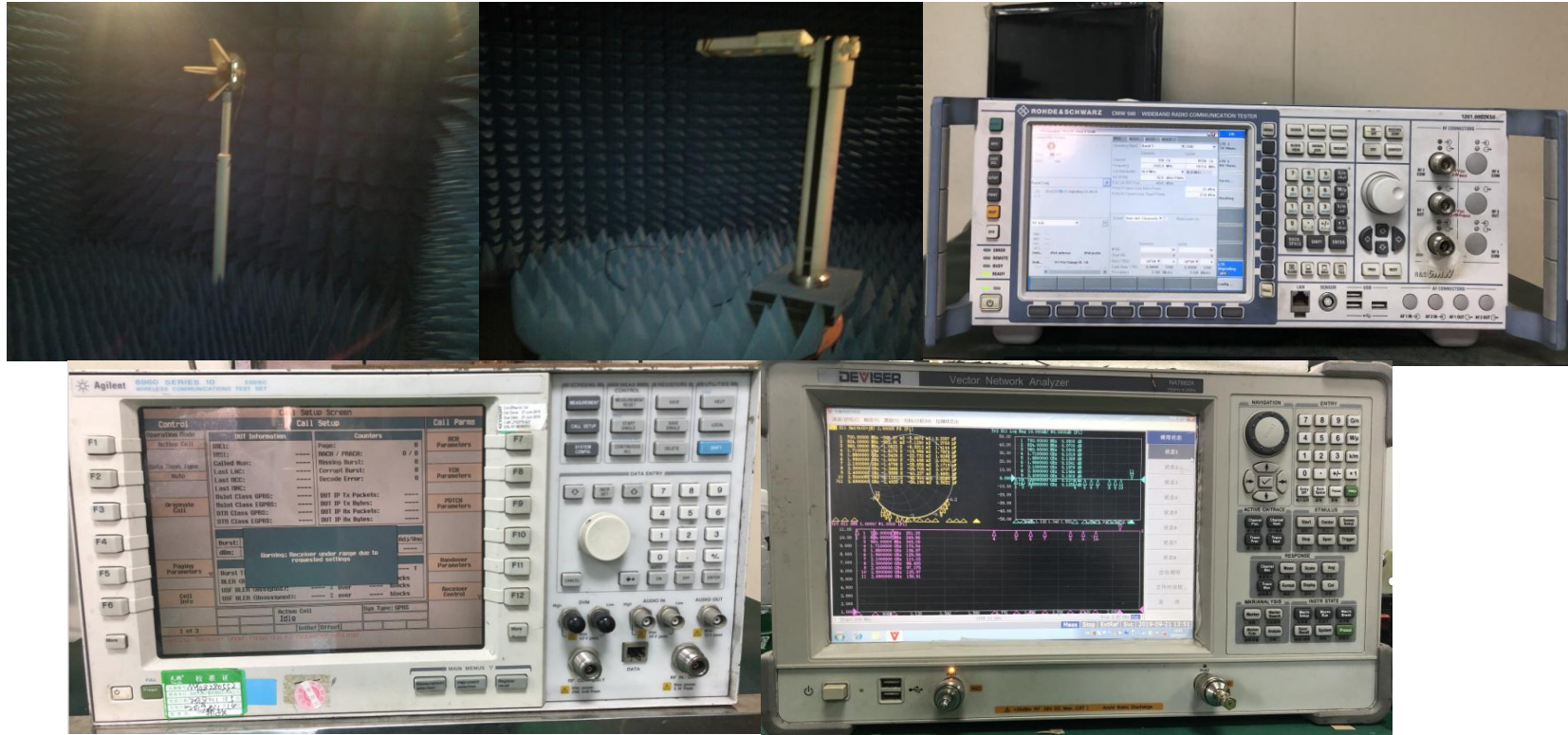


云希科技射频空间

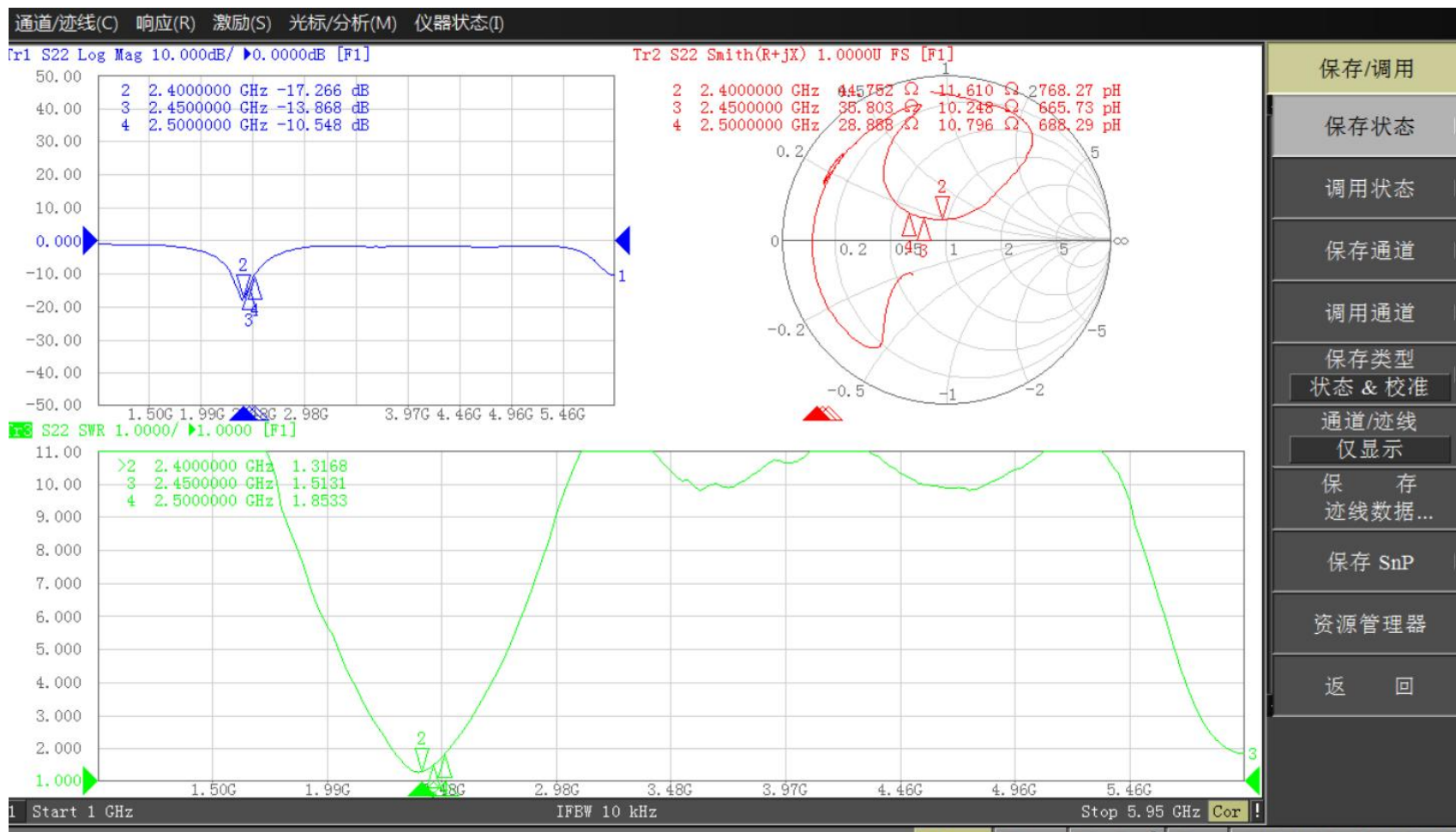
1.Project brief

NO.	ITEMS	DETAILS
1	工作频段 Operating band	2.4GWIFI/BT
2	频率范围 Frequency range	(2400~2500MHz)
3	天线类型 Antenna Type	PIFA
4	天线材质及实现形式 Antenna material and implementation form	The antenna is attached to the side shell using PCB
5	天线料号 Antenna part number	
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6	输入阻抗 Input Impedance	50（Ω）
7	增益 Gain	
	RF	吴工
	ME	邹工

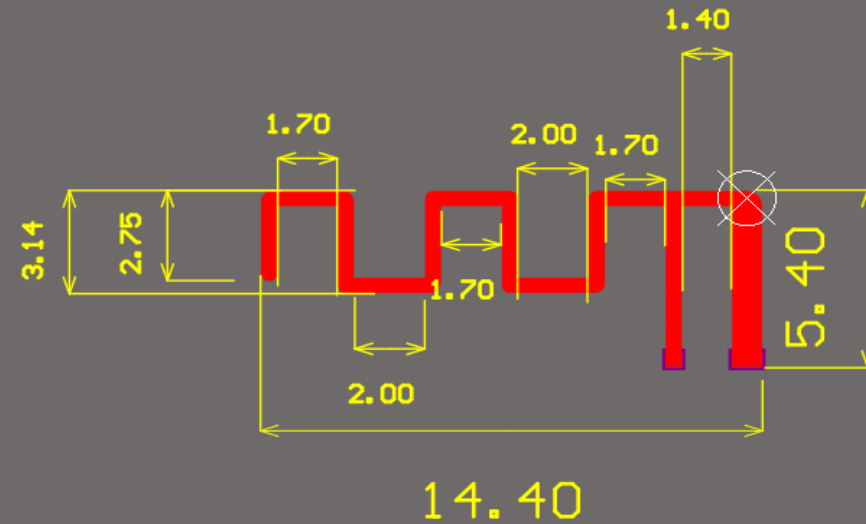
测试系统及测试设备



Antenna Standing Wave Diagram

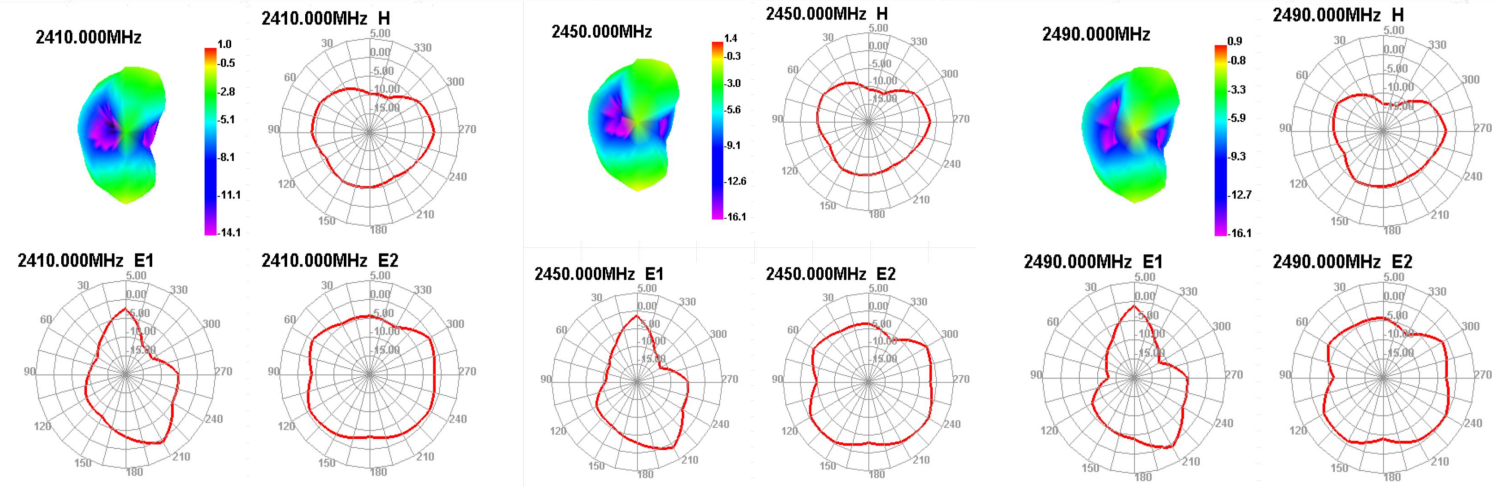


Antenna assembly environment processing diagram



Antenna efficiency and gain

Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	40.52	-3.92	1.17	-0.98	15.611	24.906	1.17	-13.34	47.79	47.89
2410	38.48	-4.15	0.97	-1.18	14.73	23.754	0.97	-14.11	47.82	47.98
2420	37.98	-4.56	0.53	-1.62	13.453	21.53	0.53	-15.41	47.98	48.5
2430	37.71	-4.72	0.51	-1.64	12.548	21.16	0.51	-16.21	47.99	48.32
2440	36.59	-4.37	0.78	-1.37	13.342	23.247	0.78	-16.5	48.18	48.34
2450	42.81	-3.68	1.43	-0.72	15.348	27.462	1.43	-16.12	48.44	48.53
2460	44.66	-3.5	1.51	-0.64	15.929	28.729	1.51	-16.16	48.39	48.66
2470	41.69	-3.8	1.35	-0.8	14.558	27.132	1.35	-16.29	48.46	48.64
2480	37.36	-4.28	0.88	-1.27	12.966	24.393	0.88	-16.56	48.45	48.45
2490	36.95	-4.32	0.92	-1.23	12.75	24.197	0.92	-16.14	48.47	48.36
2500	37.07	-4.31	0.84	-1.31	12.796	24.272	0.84	-15.78	48.29	48.19



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

