

ShenZhen Yunxi Technology Co.,Ltd.

Antenna test Report

Customer: Chileaf

Project Name:E2601

RF Engineer:Wu Gong

Testing Date:2025-11-1

Operating band: 2.4G BT

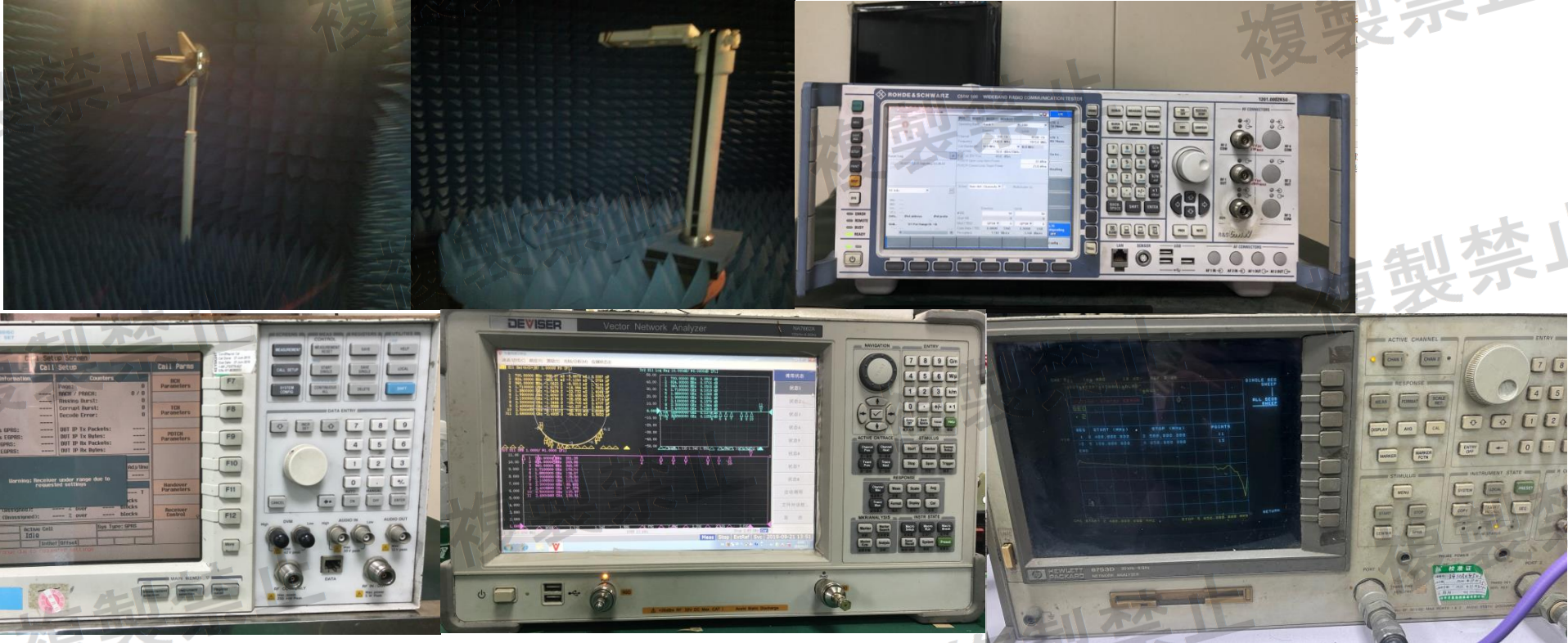
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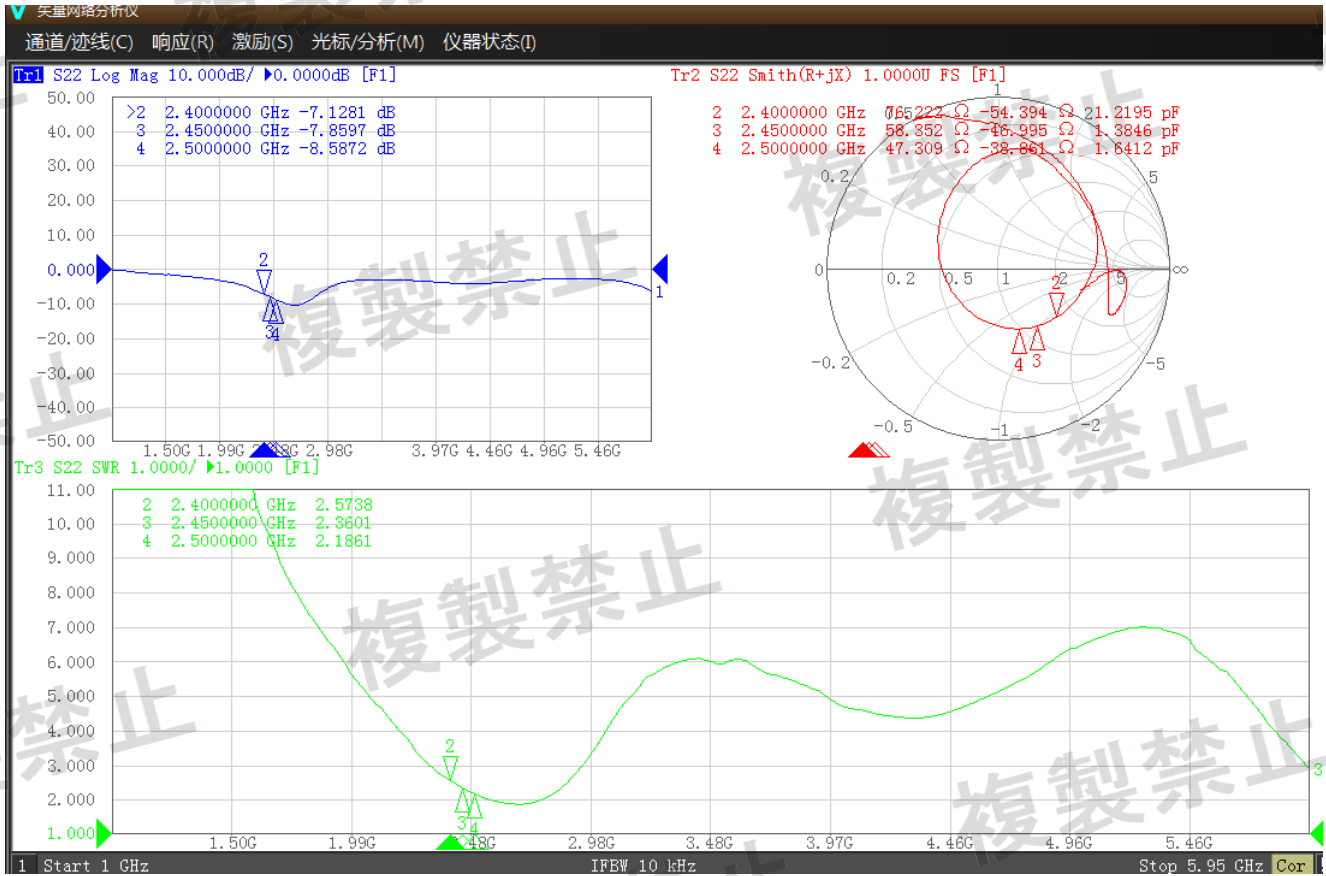
1.Project brief

NO.	ITEMS	DETAILS
1	Operating band	2.4G BT
2	Frequency range	(2400~2500MHz)
3	Antenna Type	PIFA
4	Antenna material and implementation form	PCB board-mounted antenna
5	Antenna part number	1.C.70800E-2601-05
	Manufacturer	Lianjincheng Circuit Co., Ltd.
6	Input Impedance	50 (Ω)
7	Gain	-4.25dbi
	RF	wu feng hui Test Engineer Dong si min
	Test Instruments	8753D CMW500

Testing System and Testing Equipment



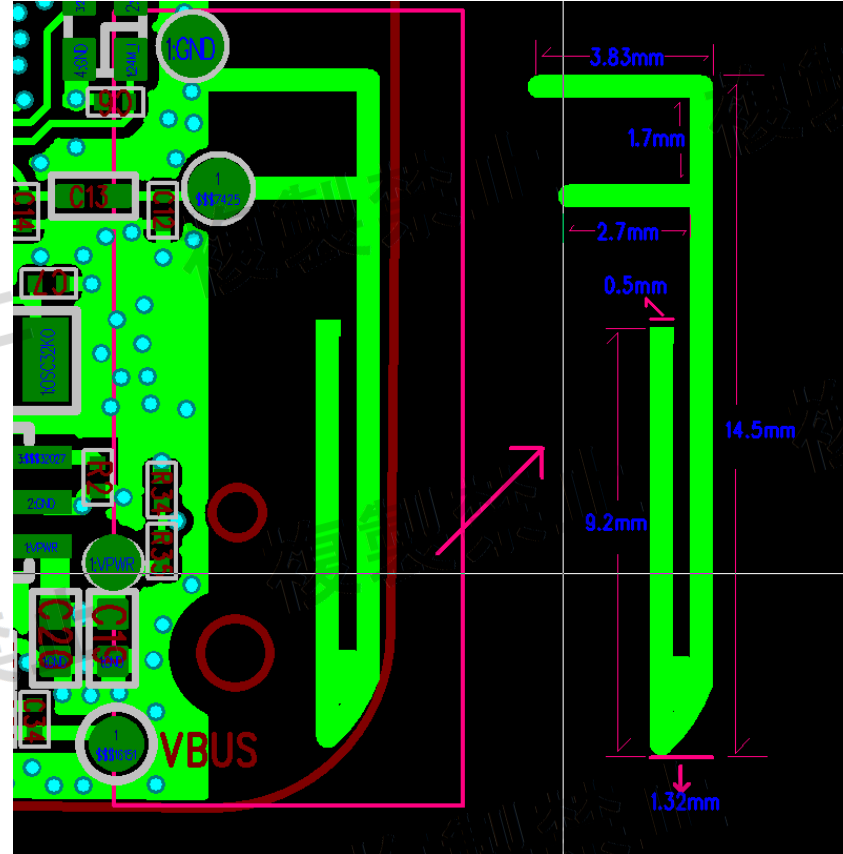
Antenna Standing Wave Diagram



Antenna assembly environment processing diagram



Antenna Dimension Diagram

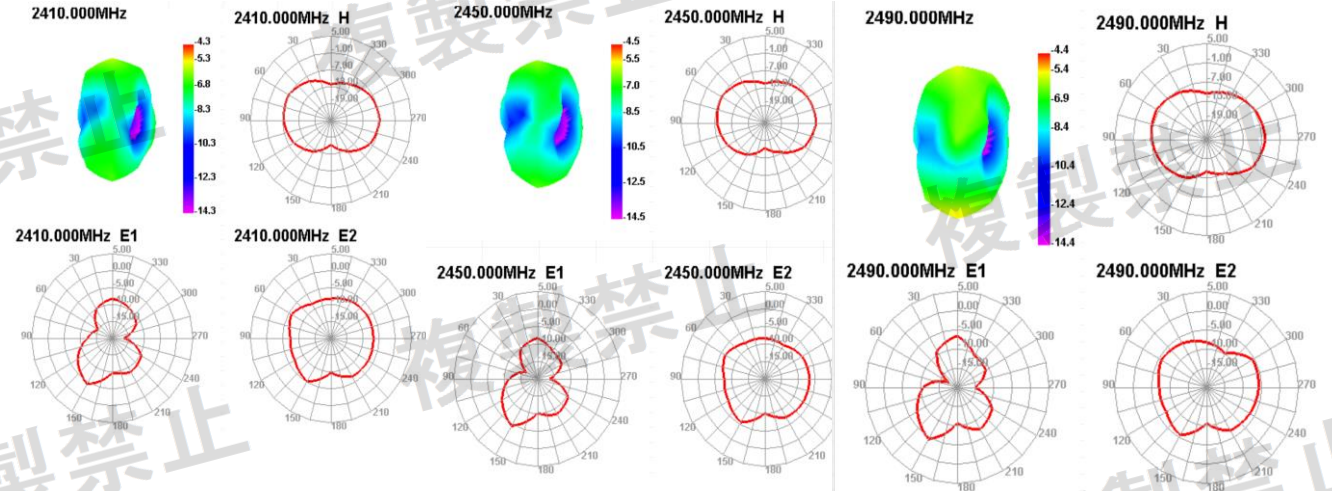


Antenna test and Instrument Calibration Time



Antenna efficiency and gain

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	16.88	-8.27	-4.37
2410	17.1	-8.21	-4.25
2420	15.64	-8.65	-4.66
2430	16.42	-8.41	-4.27
2440	16.23	-8.47	-4.36
2450	16.16	-8.49	-4.49
2460	16.64	-8.35	-4.41
2470	17.22	-8.18	-4.44
2480	17.06	-8.22	-4.56
2490	18	-7.96	-4.41
2500	17.6	-8.07	-4.52



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

