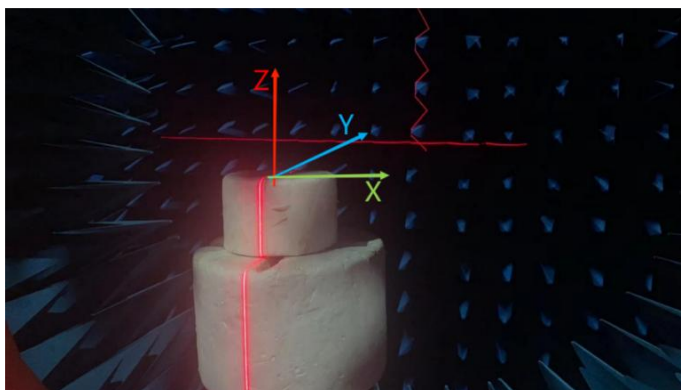
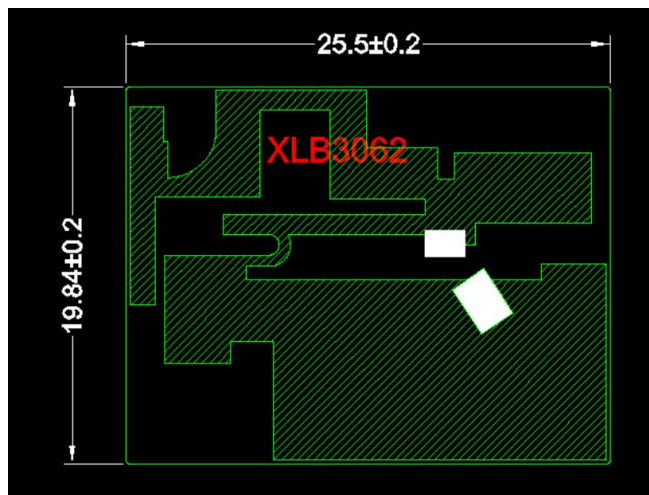
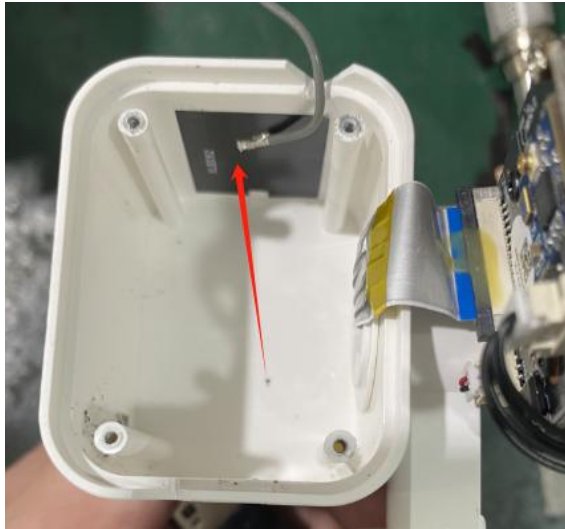


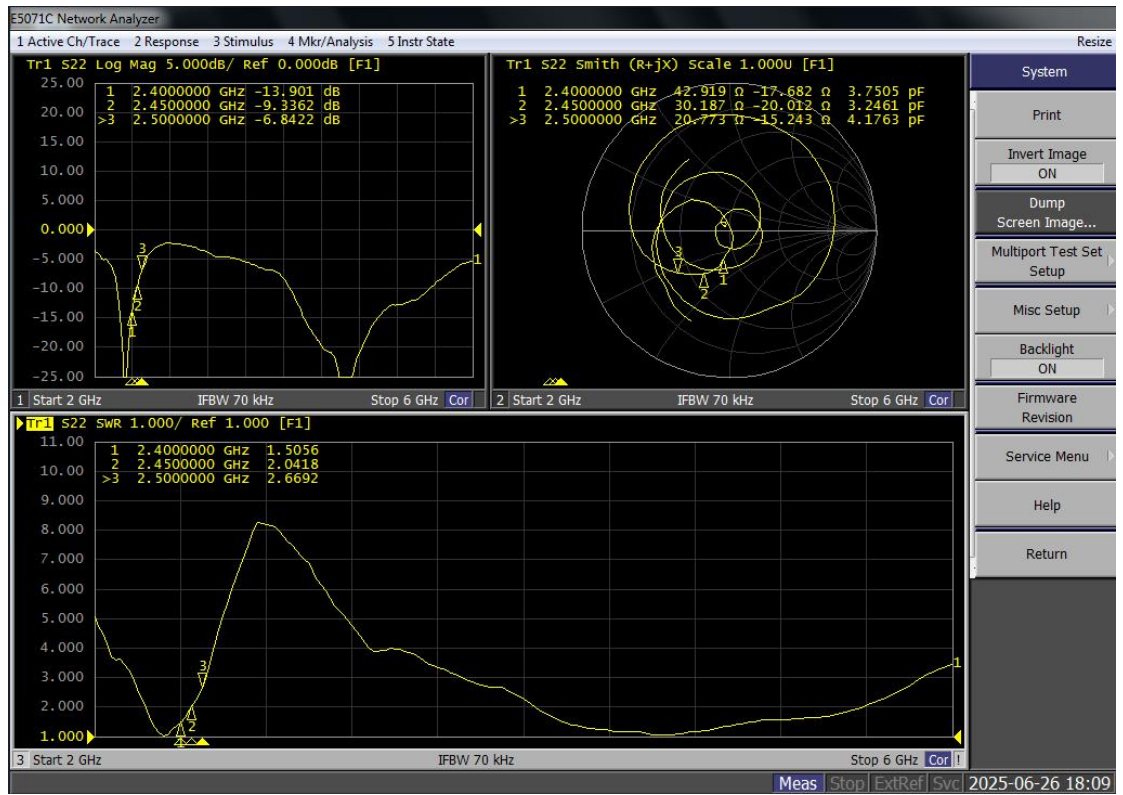
- antenna test data report

1. Antenna and test environment diagram



2. Two, antenna standing wave ratio

Steel sheet



V.S.W.R

Freq/GHz	2.4	2.45	2.5			
VSWR	1.5	2.0	2.6			

3. Passive efficiency

Steel sheet

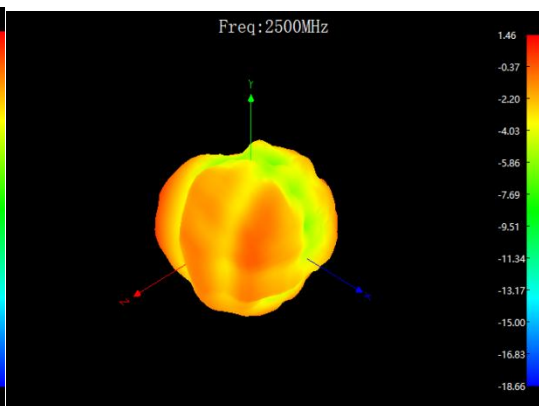
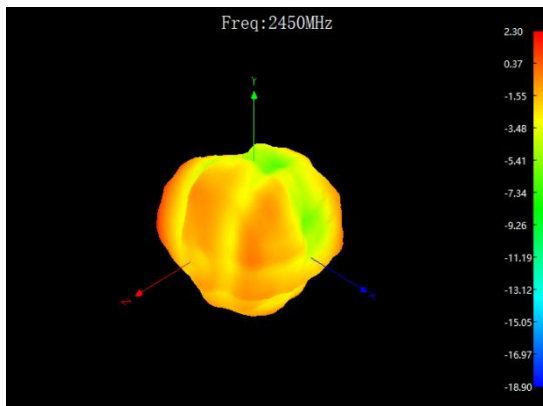
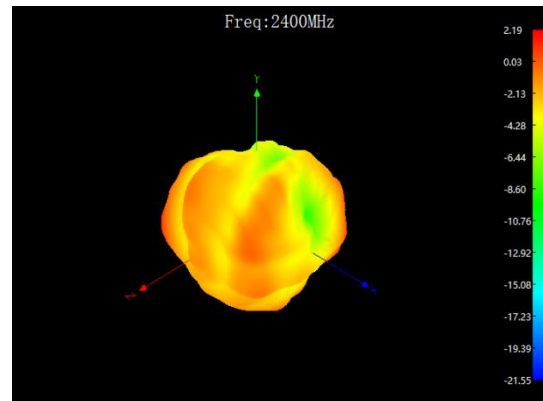
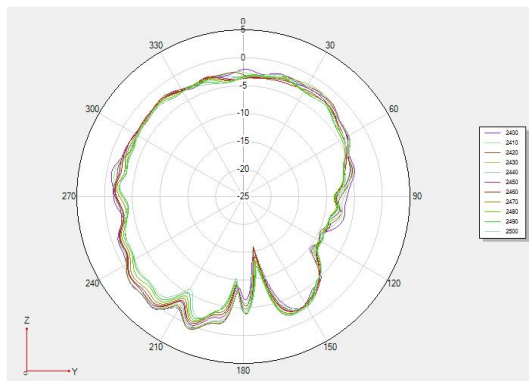
Frequency/Mhz	Efficiency / dB	Efficiency / %
2400	-2.38	57.84
2410	-2.41	57.36
2420	-2.46	56.76
2430	-2.53	55.82
2440	-2.55	55.58
2450	-2.56	55.47
2460	-2.55	55.58
2470	-2.60	55
2480	-2.73	53.31
2490	-2.84	51.99
2500	-2.94	50.81

Gain

Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	2.19	-2.77
2410	2.14	-2.81
2420	2.33	-2.86
2430	2.19	-2.94
2440	2.07	-2.96
2450	2.3	-2.97
2460	2.08	-2.96
2470	1.93	-3.01
2480	1.86	-3.16
2490	1.54	-3.28
2500	1.46	-3.39

4.2D3D direction diagram

Steel sheet



5. Active data

Test	Wifi 2G TRP				Test	Wifi 2G TIS		
CH	1	6	13		CH	1	6	13
Frequency (MHz)	2412	2437	2472		Frequency (MHz)	2412	2437	2472
TRP(dBm)	11.45	12.81	13.02		TIS(dBm)	-72.69	-82.47	-80.6

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