



深圳市昱晟通讯设备有限公司

Yusheng Communications-equipment Co.,LTD

For Wuhan Qiwu Technology Co., Ltd.

3 / F, Creative workshop, No.04, District D, Creative world, No.16

Yezhihu West Road, Hongshan District, Wuhan City, Hubei

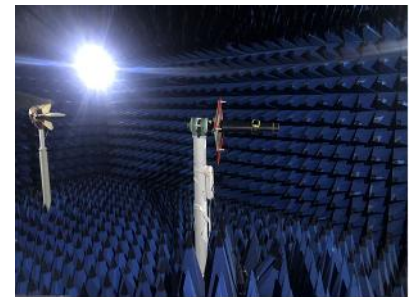
Province China

antenna test report

Radio: Jiang Mingfei

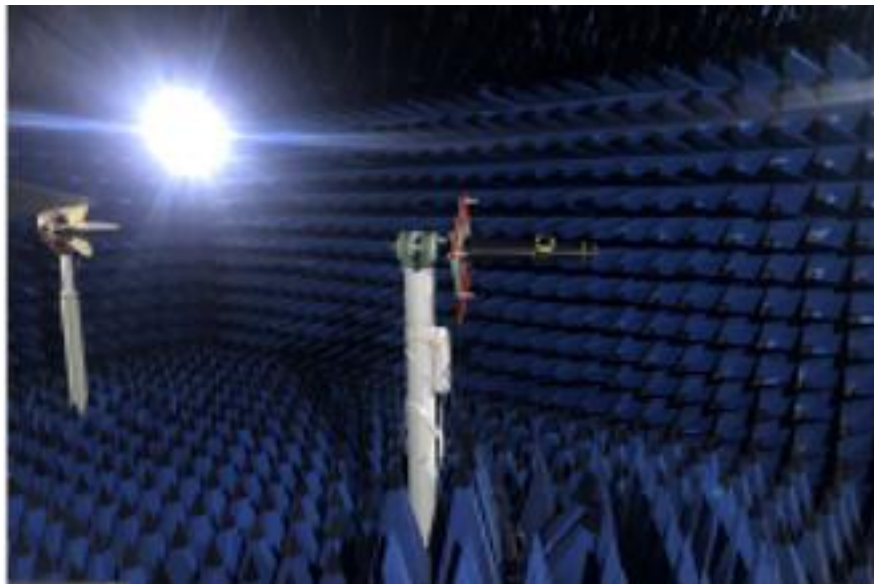
Date: 2026-6-15

Contact: 13762527134



Project development environment

As we transition from the internet era to the intelligent age, China is actively building a digital society and smart cities. Over the next 5-10 years, both consumer electronics and IoT markets will demonstrate tremendous growth potential. The wireless communications sector remains highly diversified. Leveraging its core strengths in antenna technology and comprehensive capabilities, Yusheng is committed to delivering competitive professional-grade product solutions that meet market demands.



YuSheng Communications product portfolio covers nearly all antenna applications for wireless terminal devices, including automotive antennas, high-precision surveying and mapping antennas, UAV ground/satellite data navigation systems, high-precision positioning antennas, medical device wireless transmission solutions, consumer-grade antennas (mobile phone, PAD, laptop antennas), base station/intrusive distribution antennas, smart wearable antennas (smartwatches, TWS earbuds), security home antennas, and various intelligent devices utilizing wireless data transmission and control technologies.



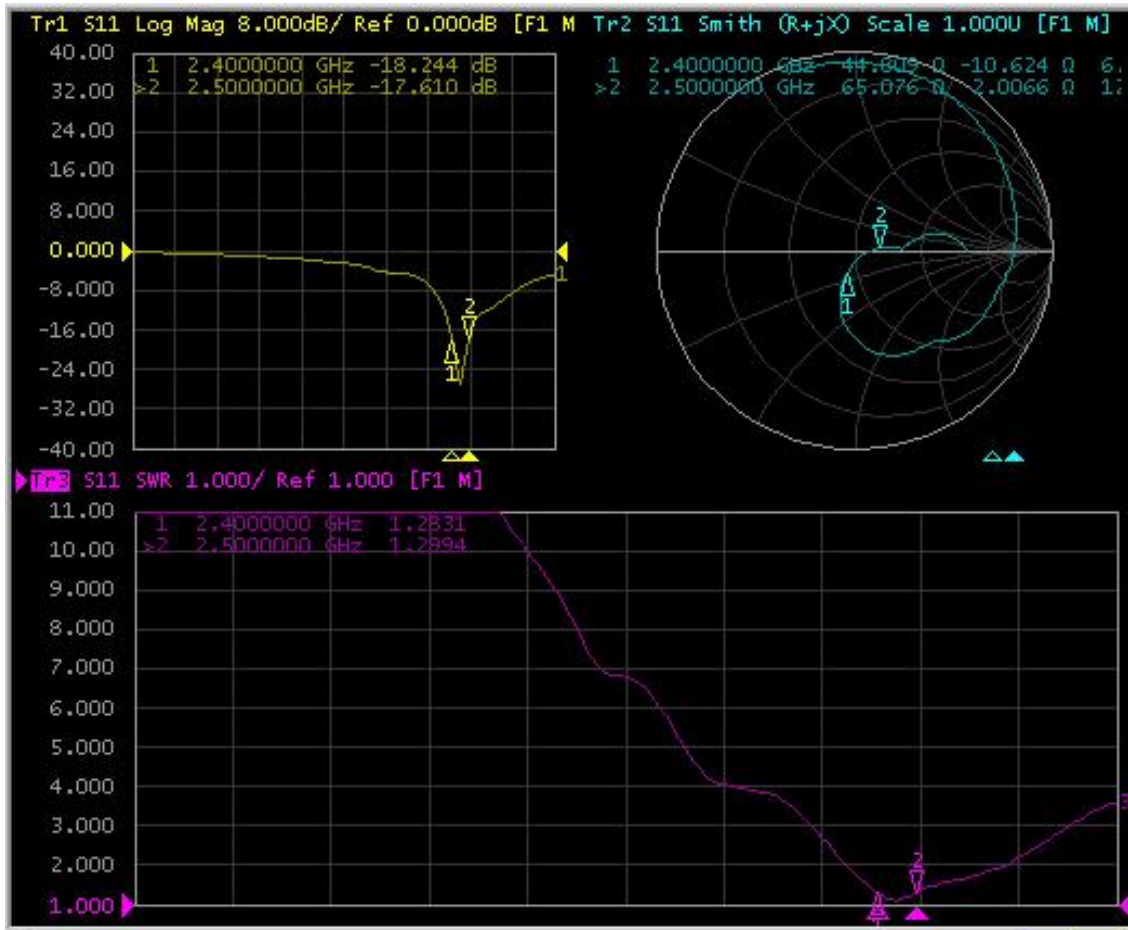
Project debugging
introduction

type				
template	motherboard			
Band and antenna material	CX06	frequency range		material quality
		antenna	BT:2400MHZ-2500MHZ	FPC
	Follow customer requirements			

**Report version
outline**

Report version	Report time	The problems solved by this antenna development
V0.1	2026-6-12	Antenna preliminary calibration
V0.2	2026-6-15	Antenna Sample Test Report

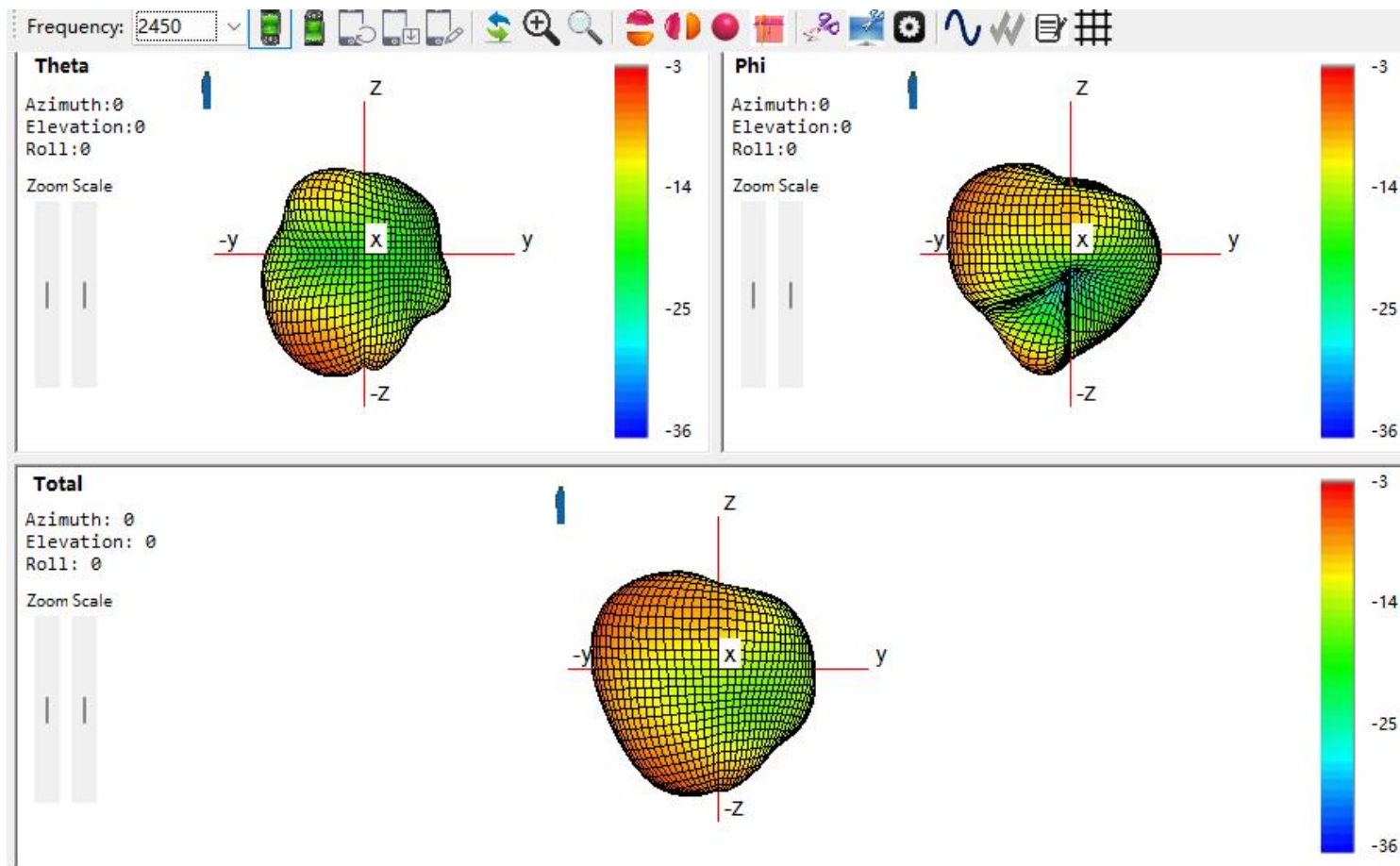
Antenna passive parameters



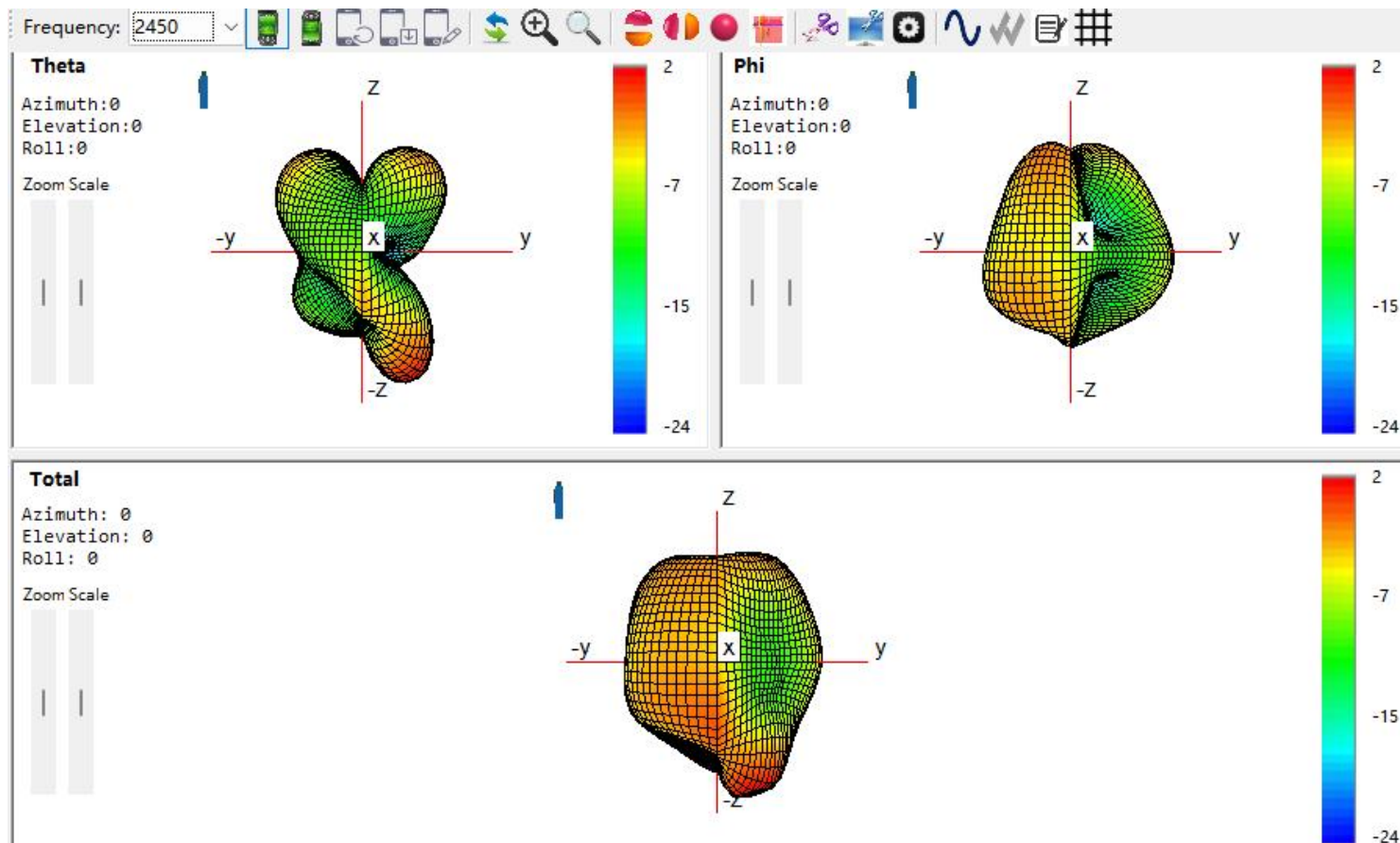
Antenna passive parameters

ARM				freedom			
Freq	Effi(%)	Effi (dB)	GAIN (dBi)	Freq	Effi(%)	Effi (dB)	GAIN (dBi)
2400	13.12%	-8.82	-3.88	2400	40.15%	-3.96	0.86
2410	13.25%	-8.78	-3.67	2410	40.38%	-3.94	0.92
2420	13.58%	-8.67	-3.52	2420	40.84%	-3.89	1.05
2430	13.79%	-8.60	-3.47	2430	41.23%	-3.85	1.14
2440	14.12%	-8.50	-3.41	2440	41.67%	-3.80	1.23
2450	14.27%	-8.46	-3.32	2450	42.21%	-3.75	1.33
2460	14.08%	-8.51	-3.39	2460	42.38%	-3.73	1.21
2470	13.87%	-8.58	-3.45	2470	42.11%	-3.76	1.12
2480	13.55%	-8.68	-3.53	2480	41.67%	-3.80	0.97
2490	13.39%	-8.73	-3.61	2490	41.23%	-3.85	0.93
2500	13.24%	-8.78	-3.72	2500	40.75%	-3.90	0.87

Passive Antenna Apple Diagram-ARM



Passive Antenna Apple Diagram-freedom



Thank you!



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