



深圳市昱晟通讯设备有限公司

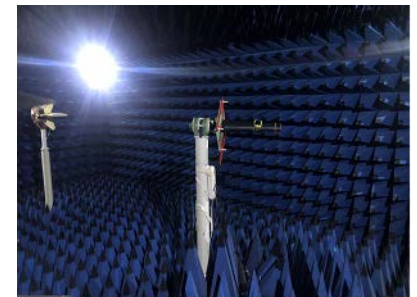
Yusheng Communications-equipment Co.,LTD

FC06-Antenna debugging report

RF: Chen Kehong

Date: August 9, 2025

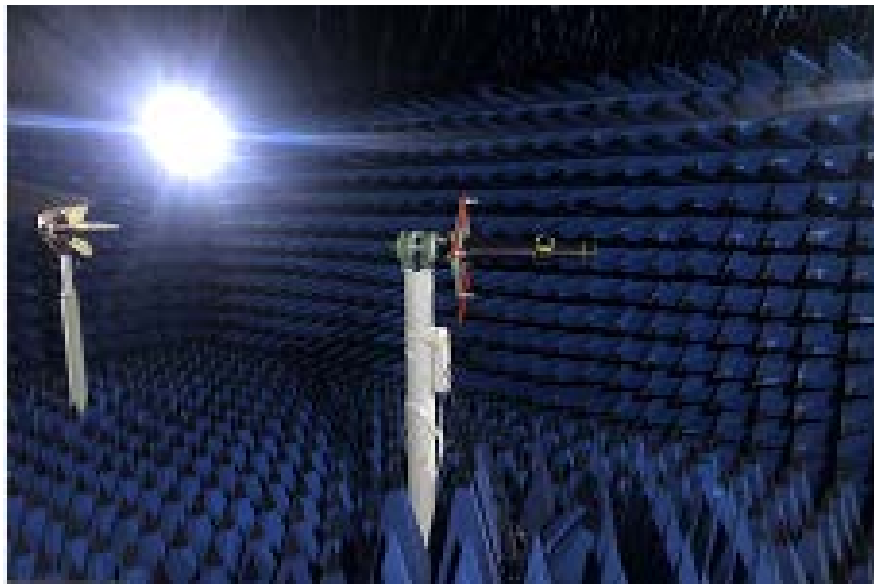
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*Committed to providing customers with
professional-grade antenna solutions*

Project development environment

We are moving from the internet era to the intelligent era, and our country is building a digital society and smart cities. Both the consumer electronics market and the Internet of Things market hold enormous growth potential over the next five to ten years. The wireless communications sector is highly diverse. Yusheng will leverage its core antenna business, customer platform advantages, and its comprehensive strength to provide customers with competitive, professional-grade product solutions.



Yusheng Communication's products cover almost all antenna applications for wireless terminal devices, including automotive antennas, high-precision surveying and mapping antennas, UAV ground and satellite data navigation, high-precision positioning antennas, medical equipment wireless transmission, consumer antennas (mobile phone antennas, PAD, laptop antennas), base station/indoor distributed antennas, smart wearable antennas (smart watches, TWS headphones), security home antennas, and a variety of smart device antennas for wireless data transmission and wireless control.

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Antenna passive parameters

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Actual Star Search

Introduction to project debugging

Plate type	Stopwatch			
Frequency band and antenna material	main antenna	Frequency band		Material
		—	—	—
		—	—	
		—	—	
	Other antennas	GPS	1575.42Mhz	Steel sheet
		BT	2400-2500	Steel sheet
Performance requirements	Execute according to customer requirements			

Report Version Outline

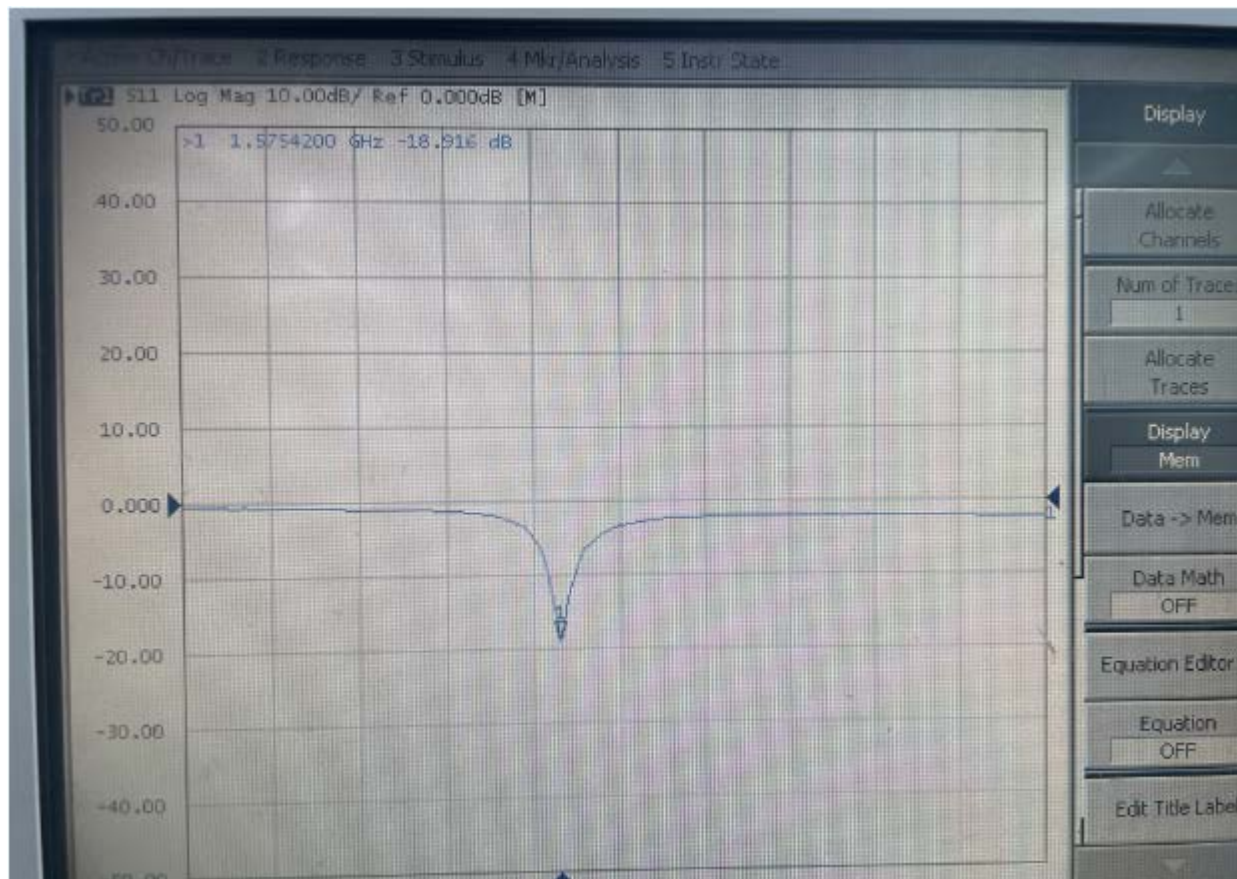
report version	reporting time	Problems solved by this antenna development
V0.1	2025-8-9	Preliminary commissioning report

Yusheng Communication's products cover
almost all wireless terminal devices

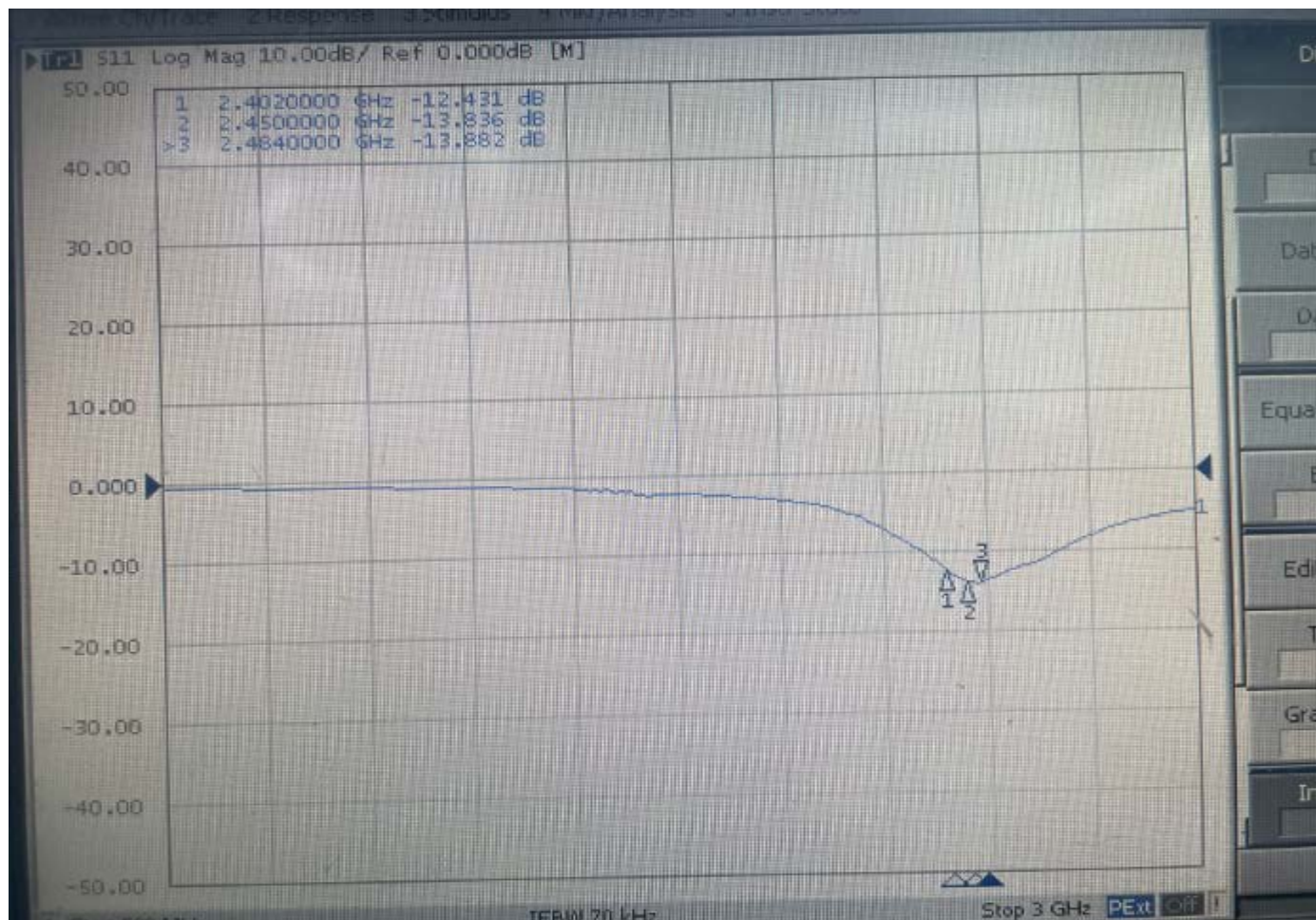
PS/BT antenna passive parameters

Passive Test					
Freq	Effi	Gain	Freq	Effi	Gain
(MHz)	(%)	(dbi)	(MHz)	(%)	(dbi)
2400	45.1	0.86	1550	39.6	0.61
2420	46.3	0.96	1555	42.3	0.85
2440	47.2	1.13	1560	43.5	0.68
2460	49.1	0.85	1565	44.2	1.01
2480	48.5	0.74	1570	46.2	1.23
2500	46.8	0.66	1575	47.8	1.41
			1580	46.7	1.06
			1585	43.2	0.98
			1590	41.0	0.76

S11-GPS



S11-BT



Actual Star Search



GPS satellite search



BD actual star search

Antenna assembly diagram



Thank you!



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