



Shenzhen Yusheng Communication Equip-
ment Co., Ltd.

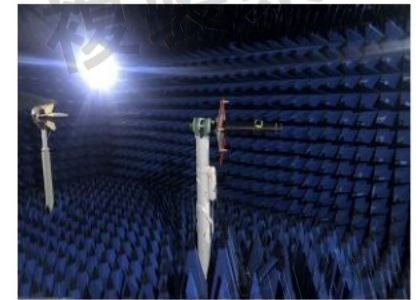
Yusheng Communications-equipment Co.,LTD

X03-GTR3 Antenna Test Report

Radio Frequency: He Lei

Date: 2026-4-1

Contact: 15767667652



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Summary & Additional Notes

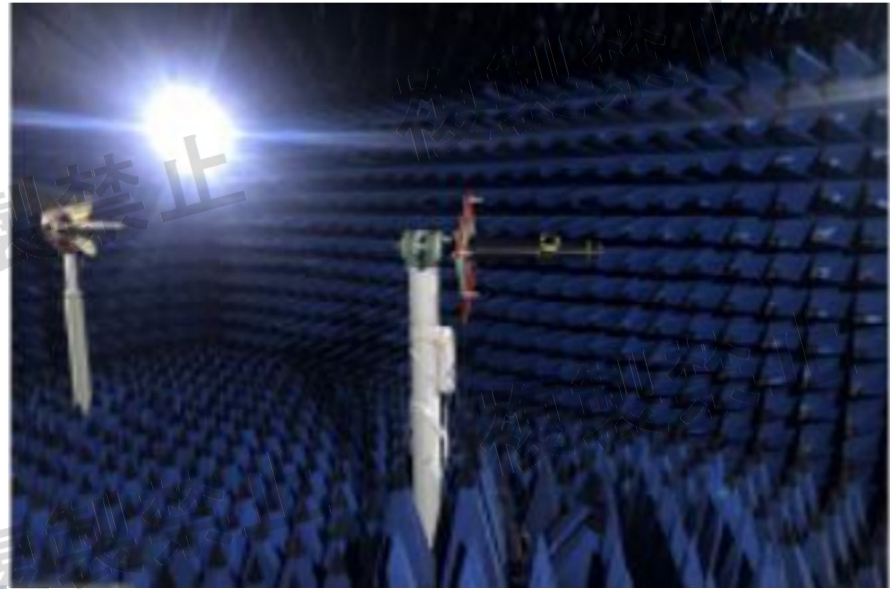


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Project Development Environment

We are transitioning from the Internet era to the intelligent era, with the nation actively building a digital society and smart cities. Over the next 5–10 years, both the consumer electronics market and the Internet of Things sector hold tremendous growth potential. The wireless communications field is highly diverse; going forward, Yusheng will leverage its customer platform advantages in the antenna business and its comprehensive capabilities to deliver market-competitive, professional-grade product solutions for clients.



Yusheng Communications' product portfolio covers nearly all antenna applications for wireless terminal devices, including automotive antennas, high-precision measurement and mapping antennas, ground-based and satellite data navigation antennas for drones, high-precision positioning antennas, wireless transmission antennas for medical equipment, consumer-grade antennas (for mobile phones, PDAs, and laptops), base station/infrared distribution antennas, smart wearable antennas (for smartwatches and TWS earphones), security and home automation antennas, as well as antennas for various wireless data transmission and control-enabled smart devices.

Dedicated to providing customers with professional-grade antenna solutions



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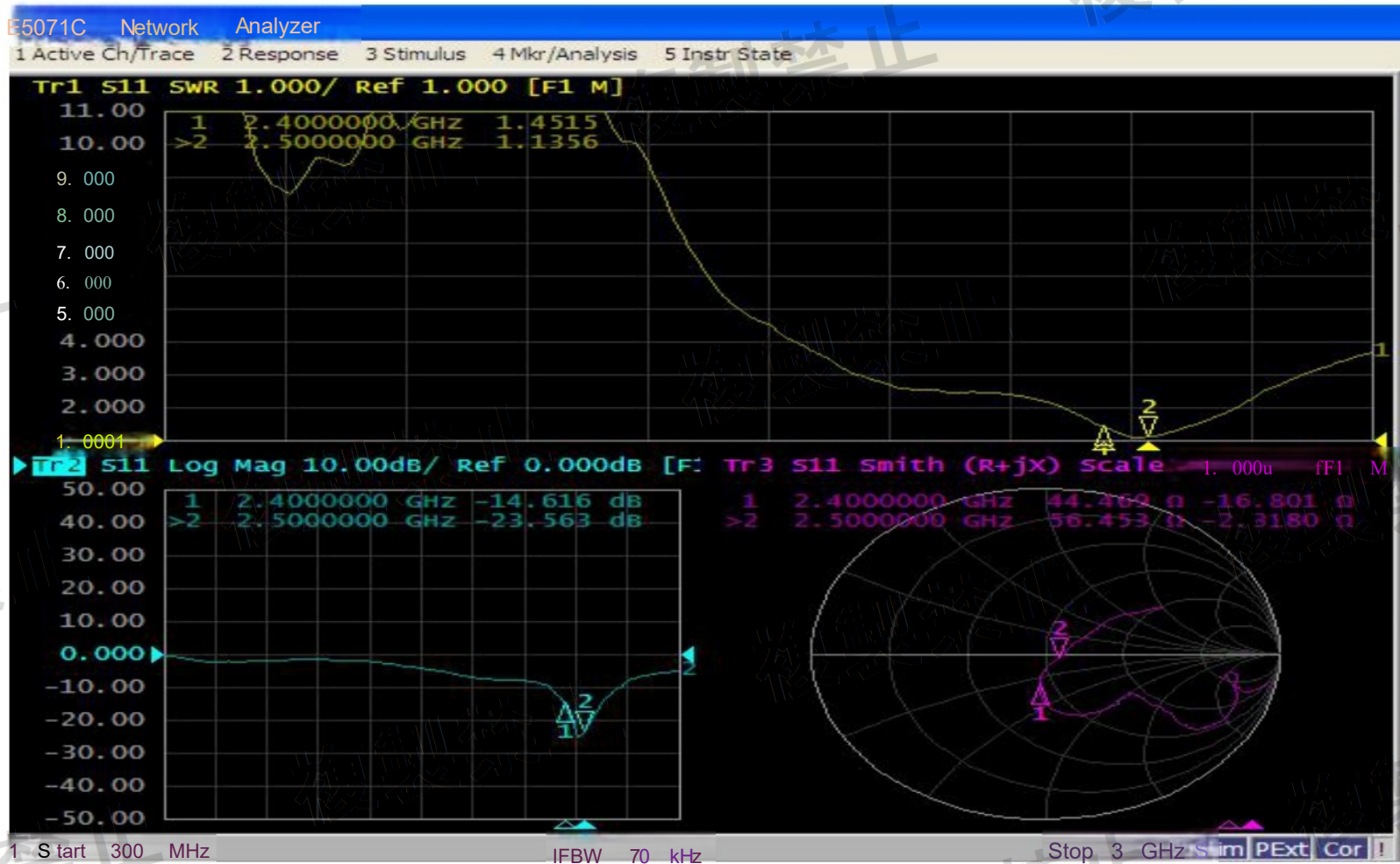
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Project Debugging Overview

Template				
Band Range and Antenna Material	Main antenna	Frequency Range		Material
		BT	2. 4G-2. 48G	Lead
Performance requirement	Execute according to customer requirements			

Dedicated to providing customers with professional-grade antenna solutions

BT Antenna (Figure Set LOGMAG+VSWR+SMITH)



BT-Antenna efficiency and gain

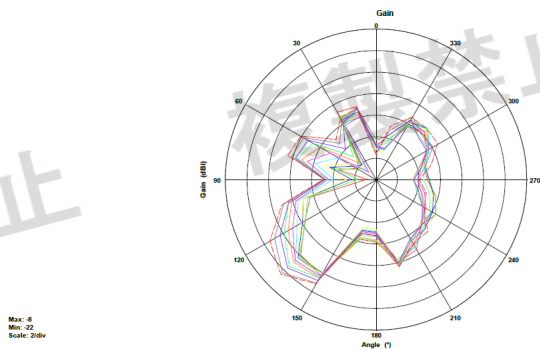
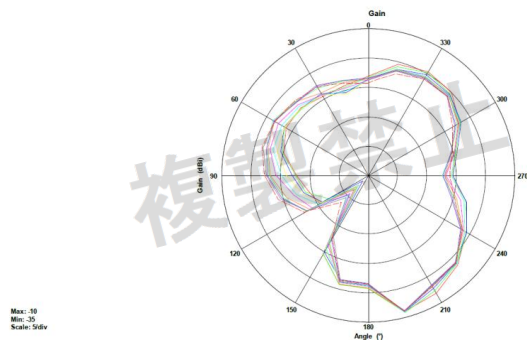
Passive Test For 2400MHz~2500MHz				
Freq	Effi	Effi	Gain	
(MHz)	(%)	(dB)	(dBi)	
2400	8.3%	-10.81	-8.9	
2410	9.1%	-10.41	-8.7	
2420	9.7%	-10.13	-8.6	
2430	10.5%	-9.79	-8.3	
2440	10.9%	-9.63	-8.1	
2450	11.6%	-9.36	-7.9	
2460	11.2%	-9.51	-8.2	
2470	10.7%	-9.71	-8.4	
2480	9.1%	-10.41	-8.6	



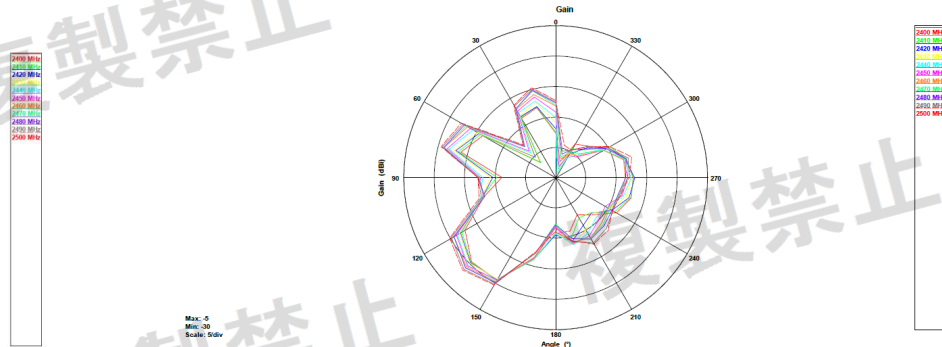
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BT-Direction
diag-
ram



Phi=90°



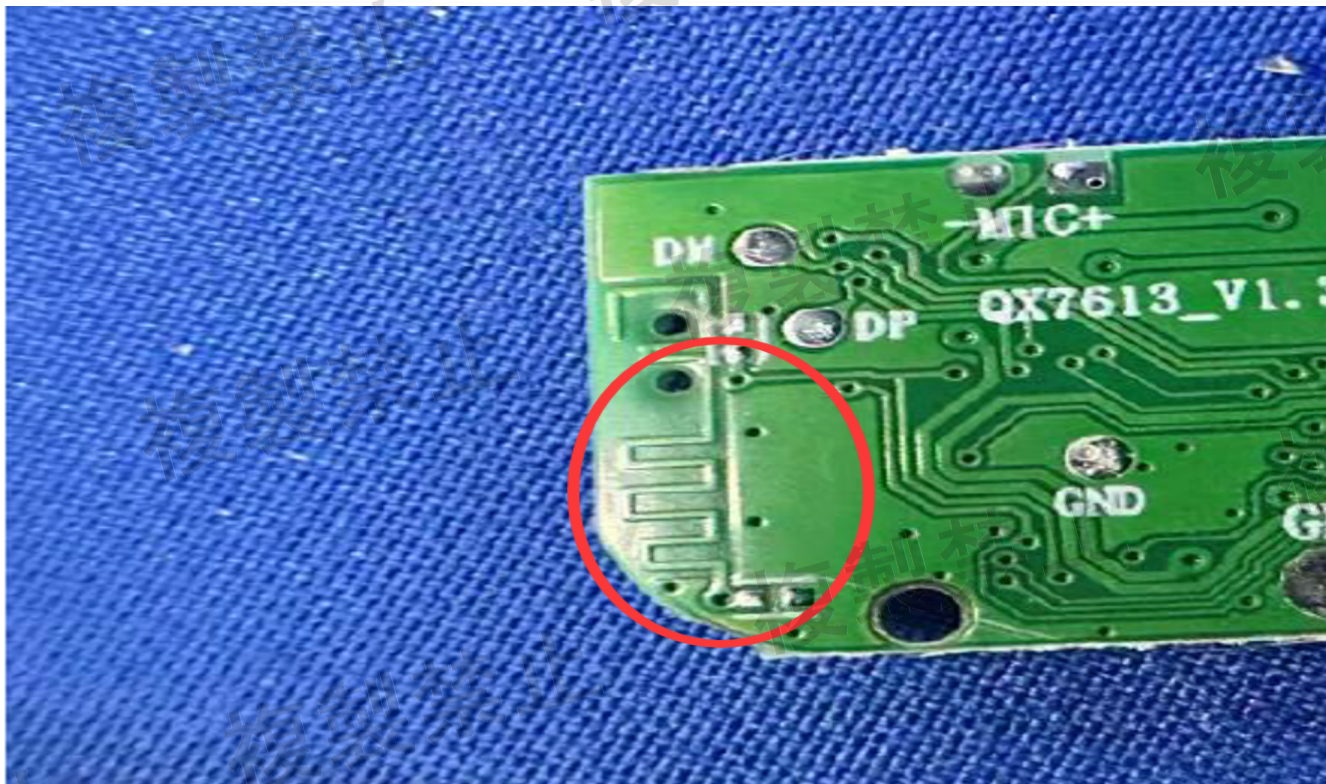
Theta=90°

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The Actual Antenna and Its Physical Dimensions

Length: 23 mm

Outer diameter: 0.6 mm

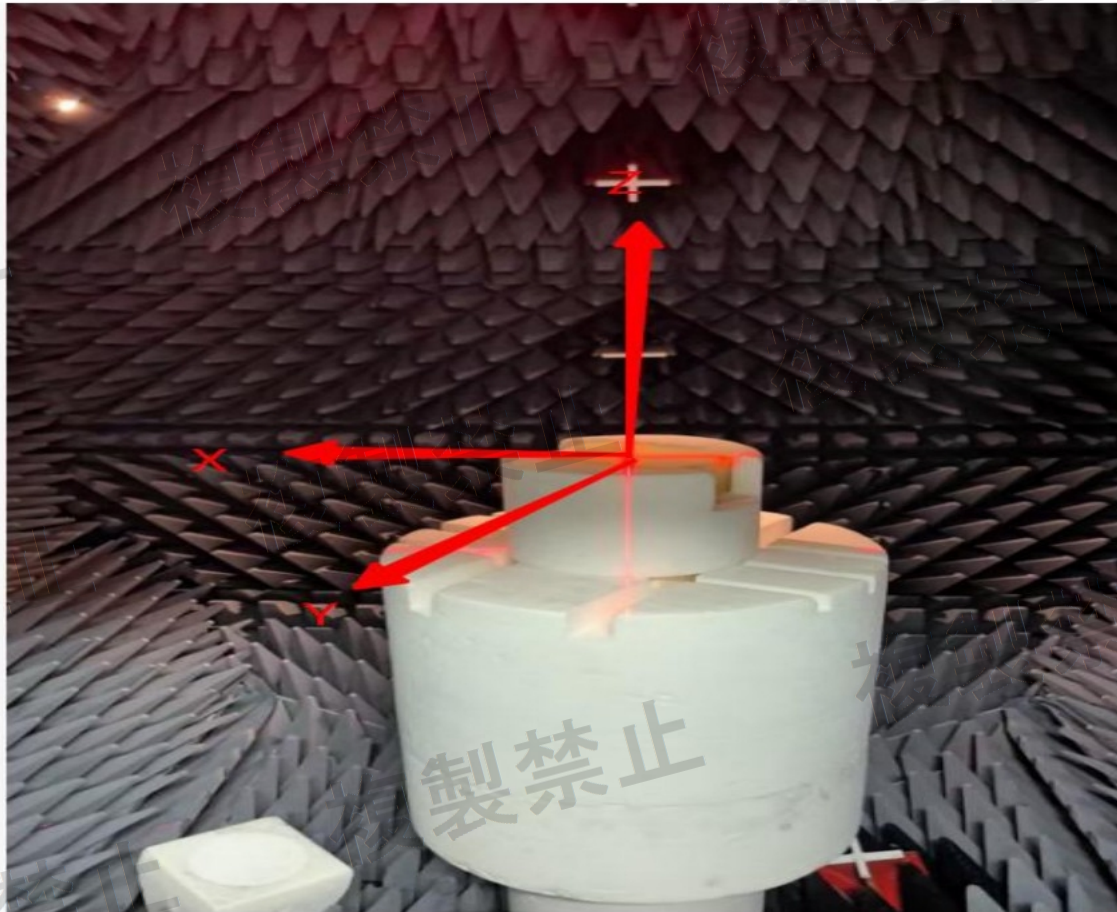




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Darkroom test environment-GTS
2800



Thank you!



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