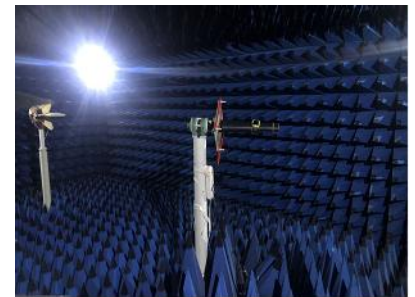


JZ-AT2503 Antenna test report

RF: Hong Yuankai

Date: 2025-5-23

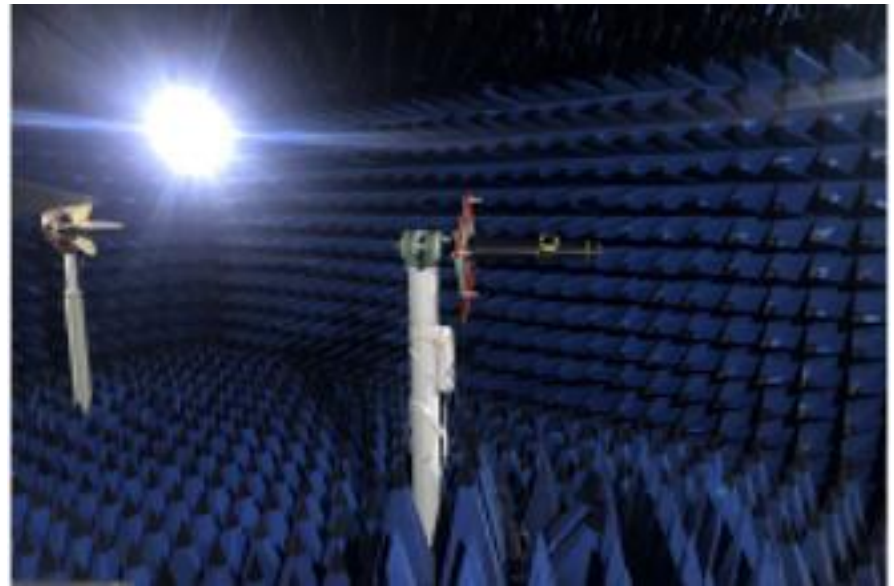
Contact: 15119409299





Project development environment

We are moving from the Internet era to the intelligent era, and the country is building a digital society and a smart city. In the next 5-10 years, there is huge potential for development in both the consumer electronics market and the Internet of Things market. The field of wireless communication is very diversified, and in the future, Yusheng will rely on the advantages of the customer platform of the main antenna business and its own comprehensive strength, and strive to provide customers with professional-grade product solutions with market competitiveness.



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

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Antenna active parameters

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Antenna environment treatment and improvement

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Summary & Additional Notes



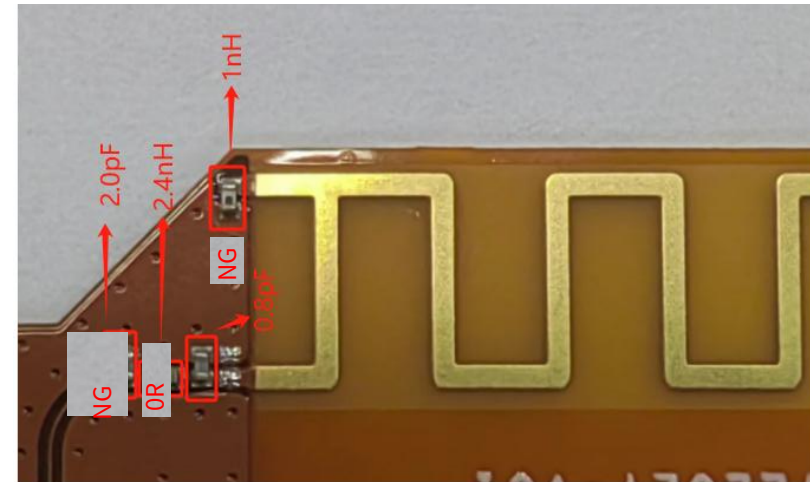
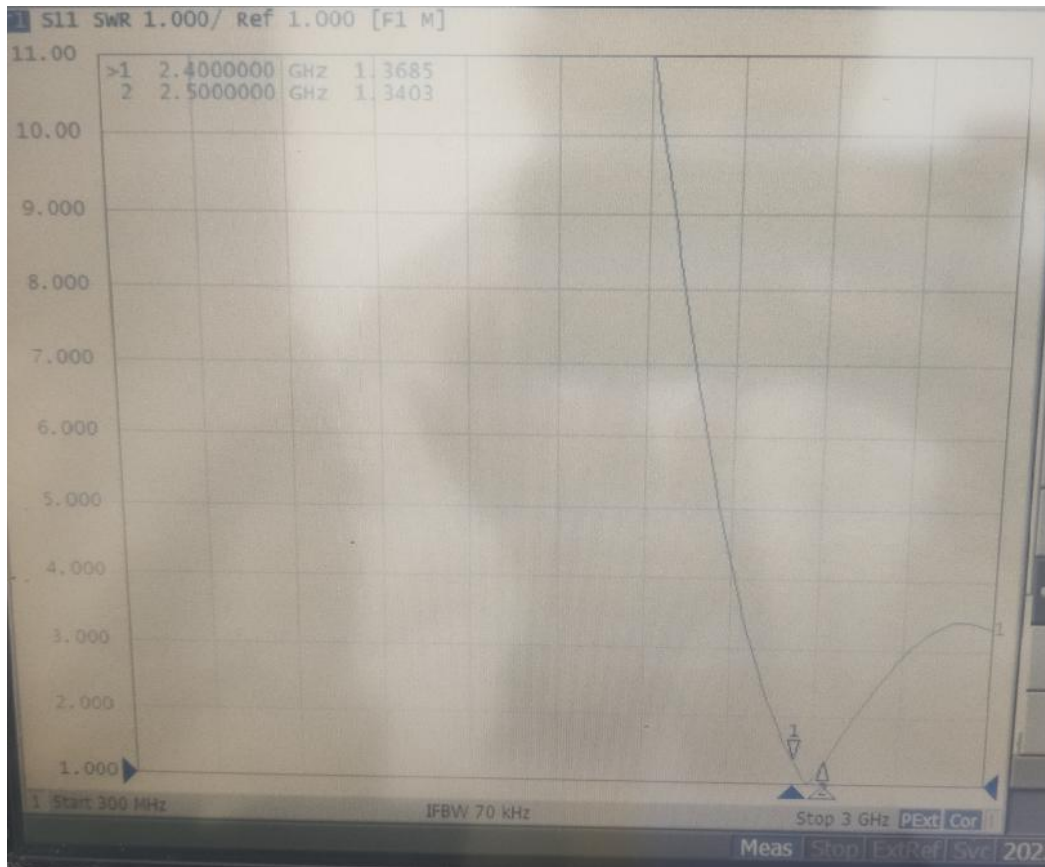
Introduction to project debugging

Model	AT2503		
Plate type	PCBA		
Band and antenna material		Frequency band	Material
	BT	2. 4GHz-2. 5GHz	Onboard
Performance requirements	Executed according to customer requirements		

Antenna passive parameters—efficiency

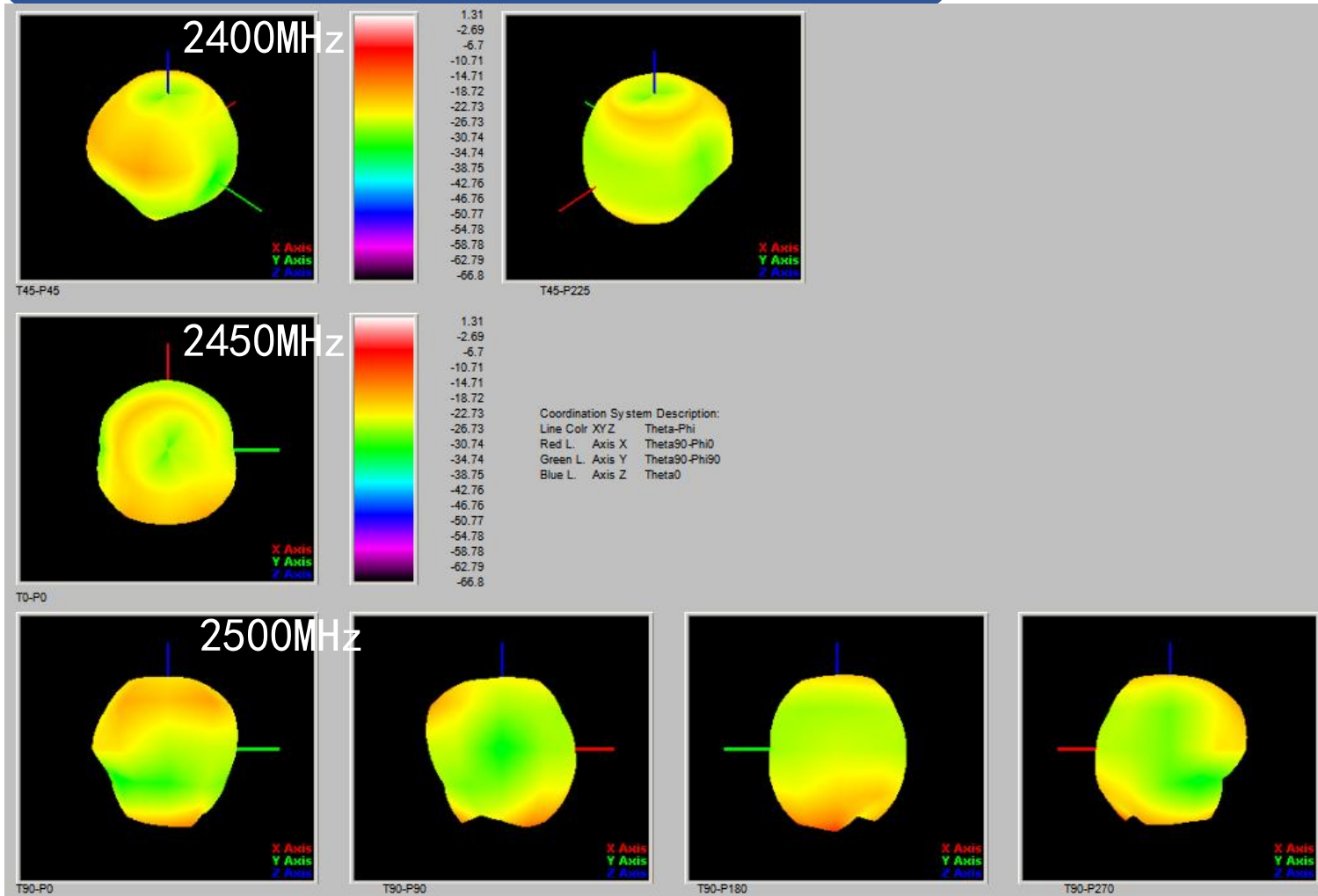
Test Point ID	1	2	3	4	5	6	7	8	9	10	11
Freq. (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	0.92	0.97	1.05	1.12	1.19	1.23	1.20	1.11	1.03	0.95	0.90
Efficiency (%)	47.7%	48.4%	48.8%	49.4%	50.0%	50.6%	50.1%	49.2%	48.6%	48.0%	47.5%

BT Antenna VSWR And BT Antenna Matching



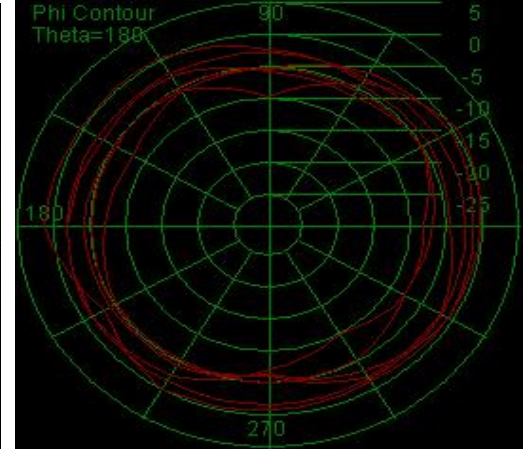
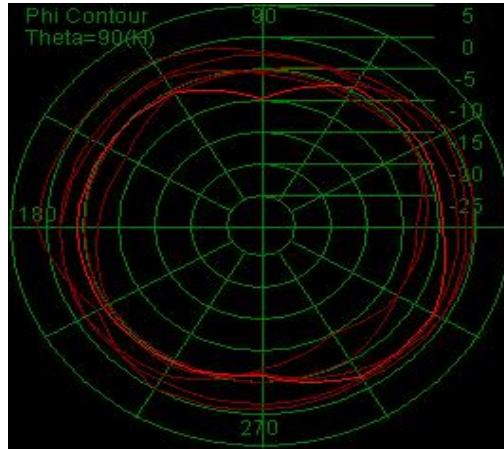
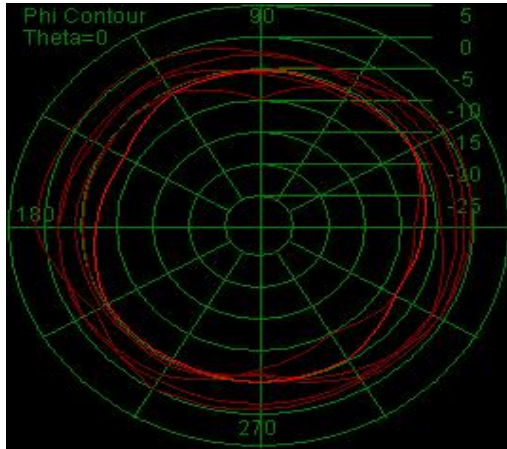
L:14mm W:6mm

BT-Passive Parameters–Apple Diagram

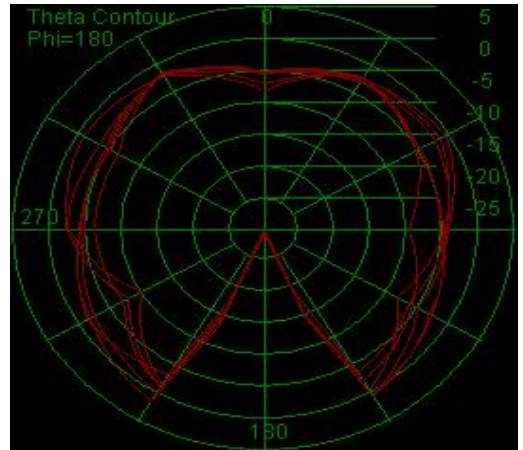
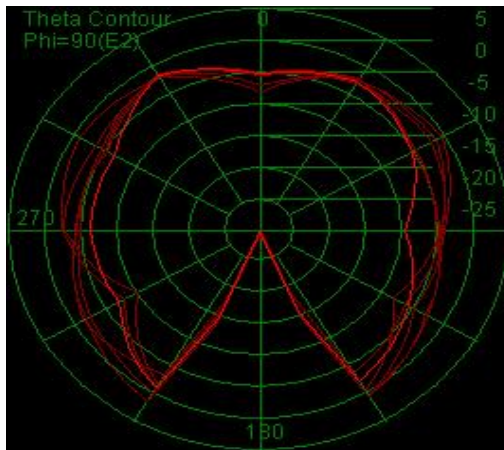
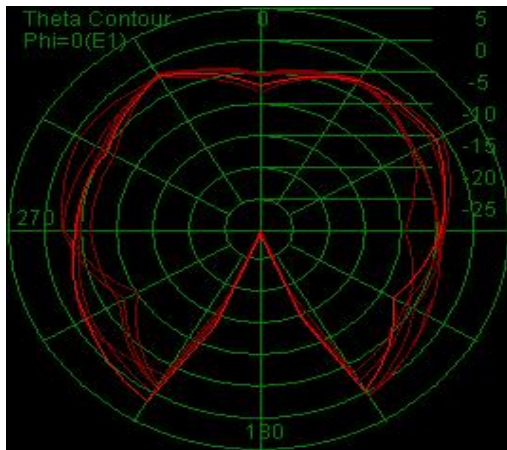


BT-Passive Parameters-Plan

Horizontal:



Vertical:



Thank you!



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