

SPECIFICATION



Shenzhen Guandetong Electronic Limited

Product specification

Customers		Frequency	2400MHz——2500MHz
Name of wire rod		Version	A1
Customer data	48109705000	GuandetongNo	
GuandetongNo			
R FDesign	肖彬	RF manager	刘亮
Structural design	王栋	Structure manager	王华
Technical Director	ANDY	Date	2023-09-19

Customer confirmation:

Whether the Assembly meets your requirements: ☐OK ☐NG

catalogue

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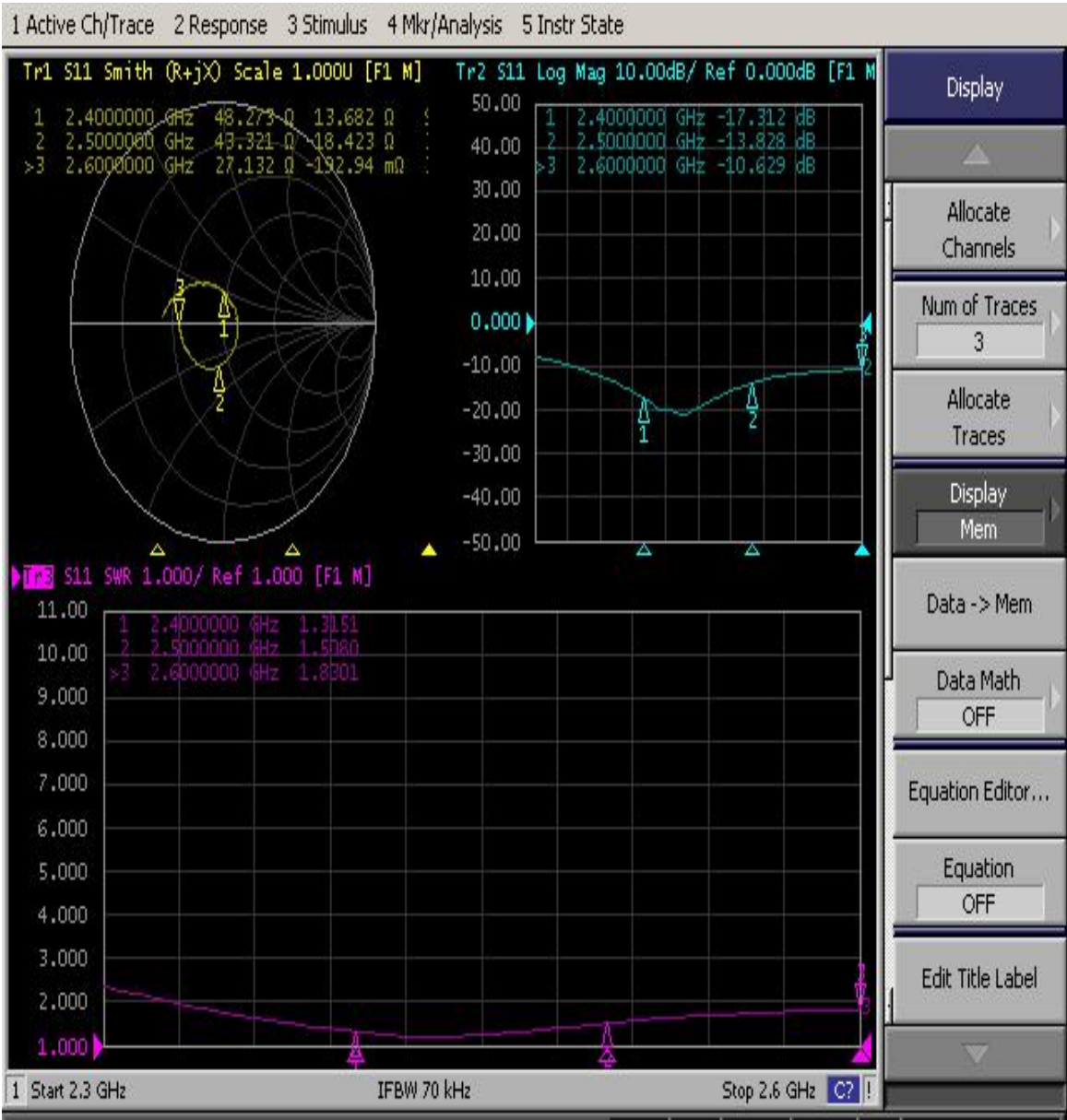
一、Product pictures



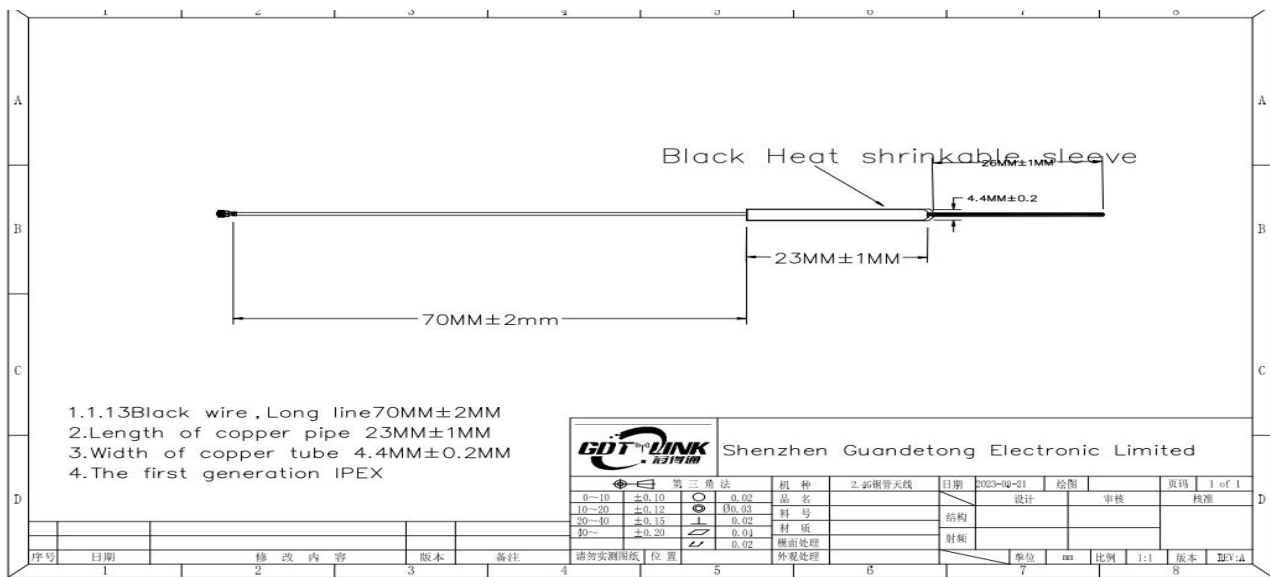
二、Product parameters

Product test parameters			
(Name)	2.4 g copper tube antenna	(Model Type)	GDT-P2.4-L200-53
(Electrical Specifications)			
(Frequency Range)	2400-2500MHZ	(Polarization)	perpendicular
(Impedance)	50 欧	Radiation	QXCOMM
(VSWR)	≦2.0	(Power)	50W
(Gain)	2dBi	(Bandwidth)	100M
(Mechanical Specifications)			
(Copper tube dimensions)	4.4*23	(Chassis Color)	black
(Connector)	IPEX 端子	(Cable Length)	70±2mm
(Wire)	1.13black		
(Working Temperature)	-40℃--+85℃	(Limit Temperature)	-40℃--+85℃
Freq (MHz)	Gain(dBi)		
2400	2		
2450	1.74		
2500	1.31		

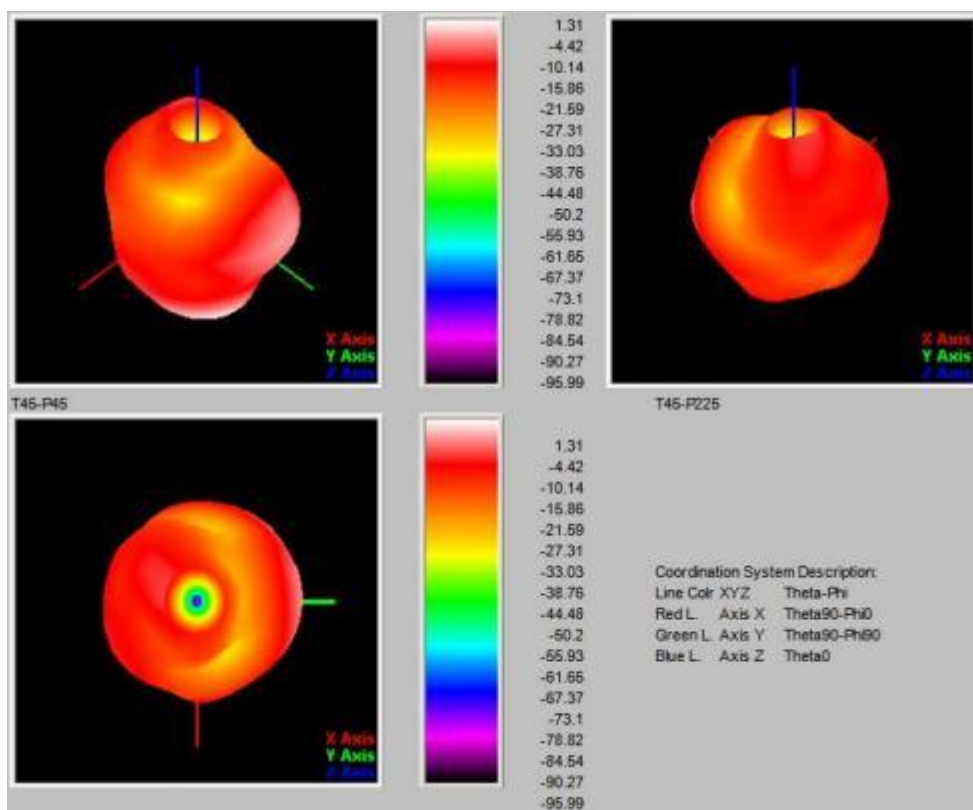
三、S11 (VSWR/Return/Smith

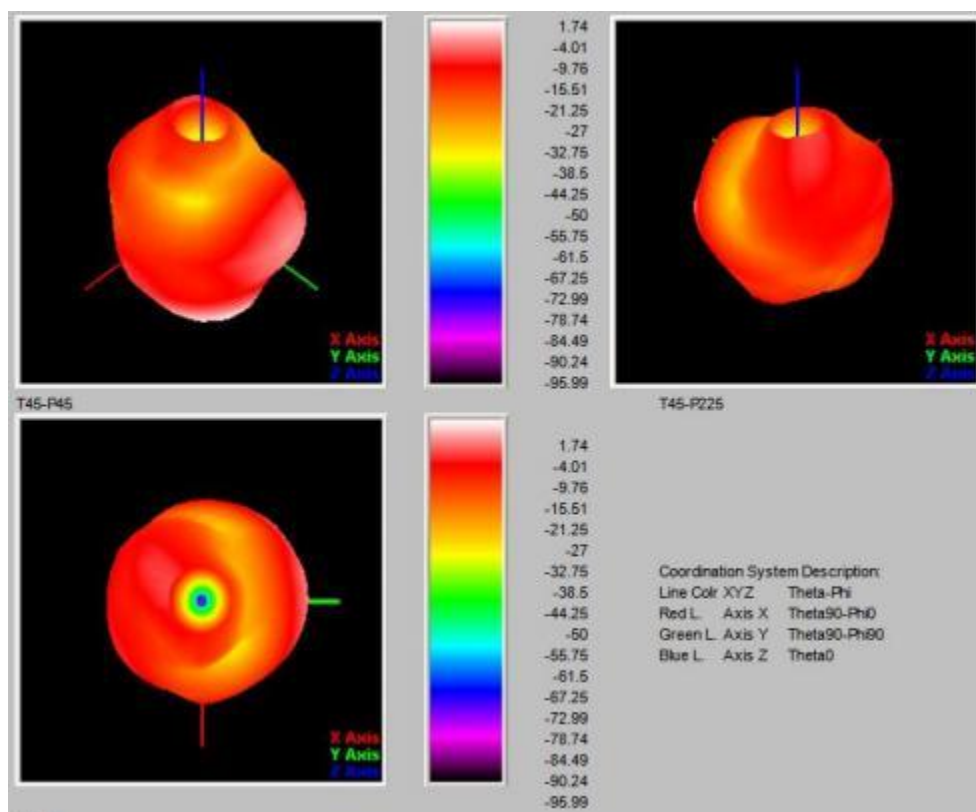


四、Structural drawings

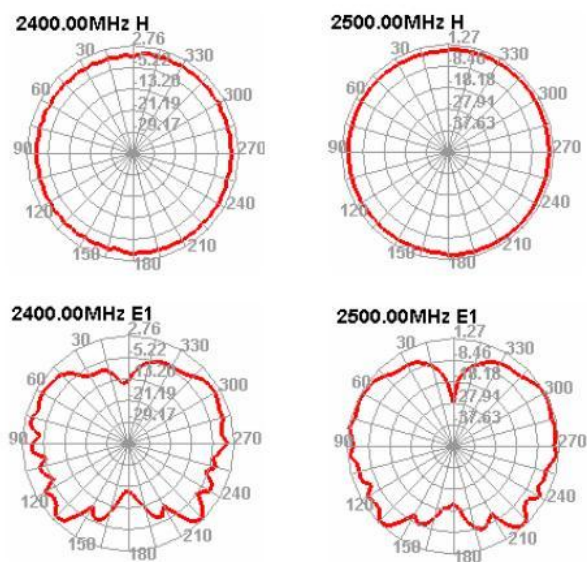


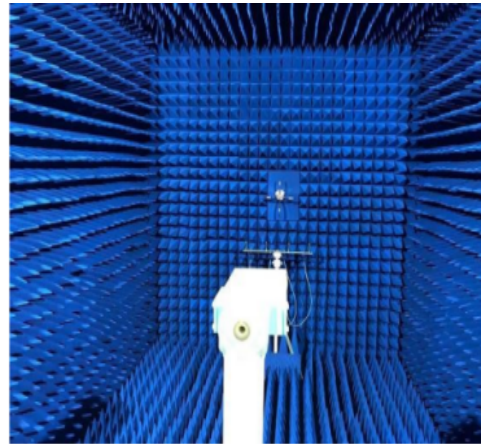
五、3D images





方向图:





六、Environmental performance test

project	Project test conditions	Specifications
Storage environment	The test temperature, humidity and air pressure are as follows when there is no specific condition: 1. The temperature is $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$ 2. Relative humidity: 45% - 85% 3. The air pressure is 86kpa-106kpa	Normal electrical and mechanical performance

High and low temperature test	5 cycles between 70 ° C and 40 ° C, then under normal conditions1-2H, check the appearance quality.	The size shall meet the requirements and Mechanical and electrical performance
Constant damp heat resistance test	Relative humidity: 95 ± 3%, test temperature: 40 °C. After lasting for 2h, The electrical performance shall be measured within 5 minutes after the test object is taken out, and the test object shall be within the normal range Part 1-2H, check the appearance quality	The size shall meet the requirements and Mechanical and electrical performance
vibration test	Vibration frequency range: 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycles: 30 times	Normal electrical and mechanical performance
Drop test	Free fall for 3 times in the direction of mutually perpendicular axes at a height of 1M	Normal electrical and mechanical performance