

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	通力/TLC	
CS P/N(客户机种)	A 电磁炉/Induction Cooker	
PART NAME(品名)	2.4-5G WIFI Antenna	
MODEL NAME(型号名称)		
FREQUENCY(频率)	2400~2500/5150~5850MHz	
ZTX NO.(物料编号)	2.00001058	
DATE(日期)	2024-12-02	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		柯友杰	周向荣	



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ANTENNA SPECIFICATION

CUS P/N :A 电磁炉_2.4-5G 天线组件

Application Date:Dec,02,2024

Rev: R:A0

ZTX P/N :A 电磁炉_2.4-5G 天线组件

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Revision history

版本	日期	状态
A0	2024-12-02	初版

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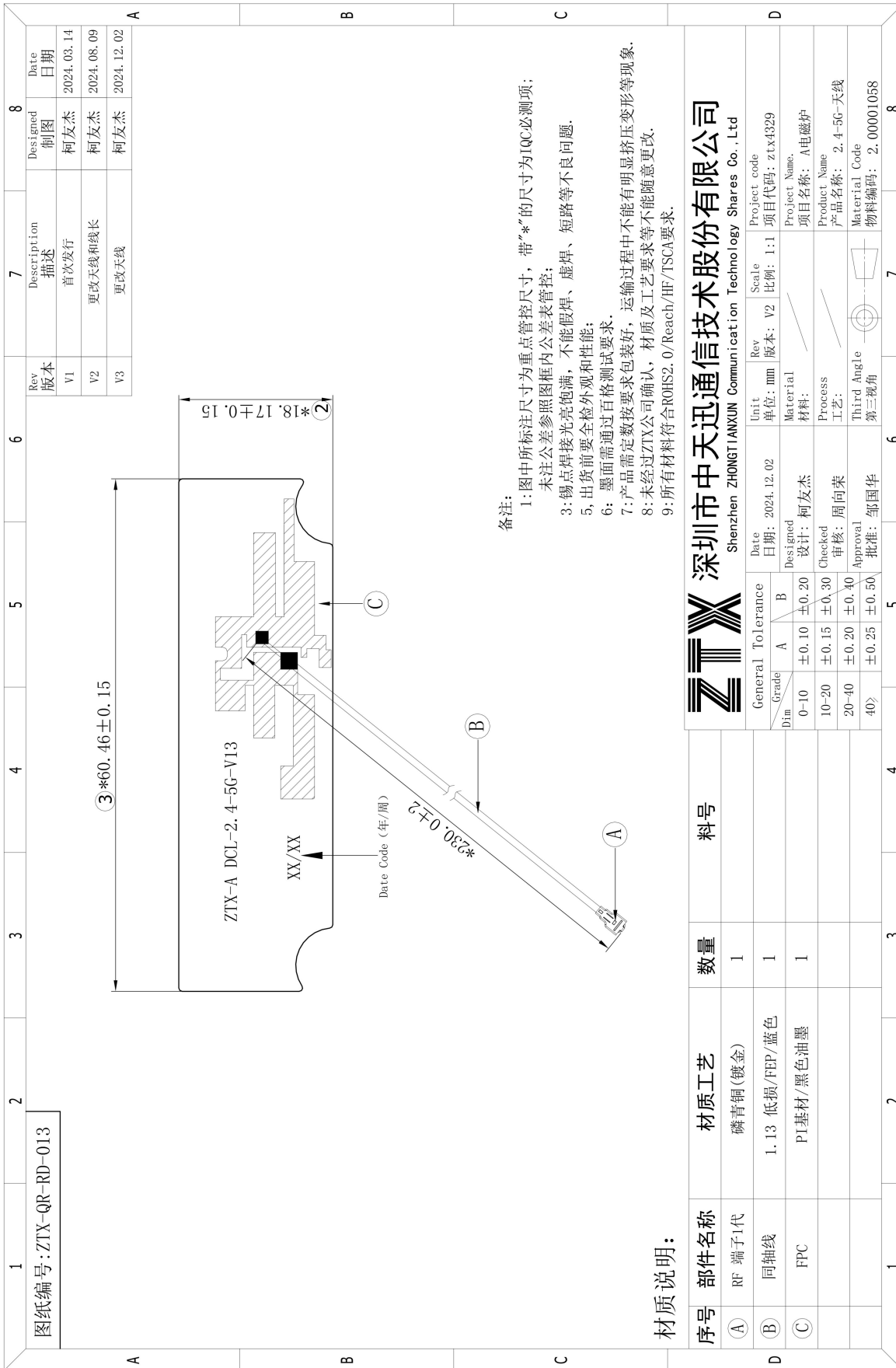
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1. Mechanical Specification

1-1 Mechanical Configuration (2.4-5G 天线组件)



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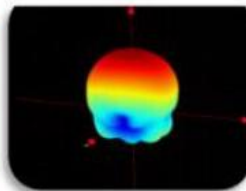
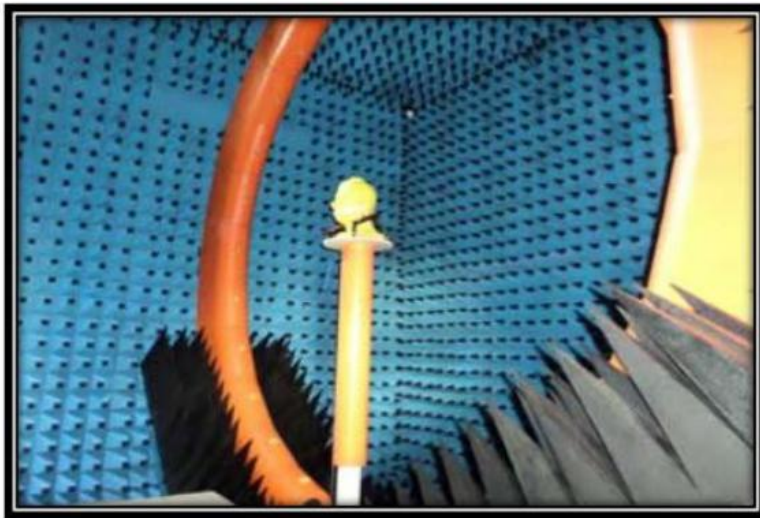
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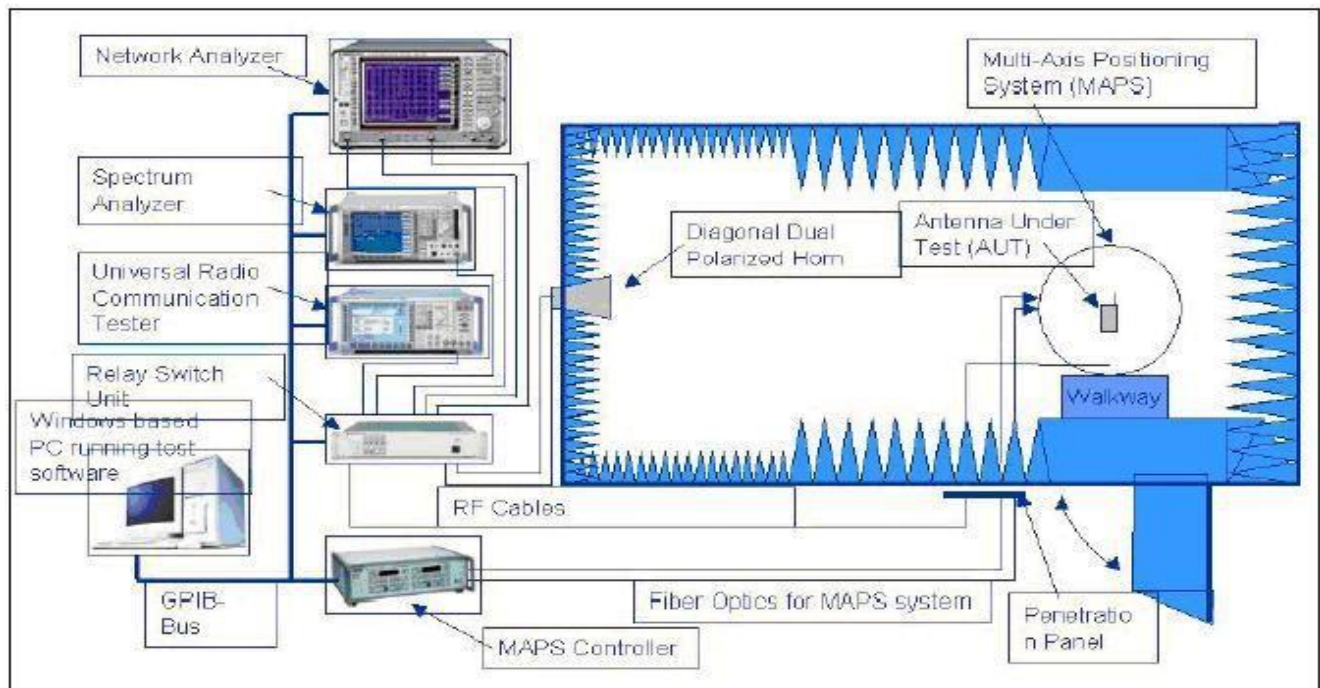
2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of GSM/CDMA/WCDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT/GPS/MIMO/UWB within 0.4-6G.



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2-1 VSWR



frequency	VSWR
2400MHz	1.54
2450MHz	1.29
2500MHz	1.67
5150MHz	1.62
5500MHz	1.47
5850MHz	1.64

2-2 Passive Test

Frequency Mhz	Efficiency		Peak Gain
	%	db	db
2400	43%	-3.71	2.94
2410	42%	-3.76	3.55
2420	43%	-3.65	3.19
2430	43%	-3.68	2.95
2440	46%	-3.39	2.73
2450	47%	-3.32	1.99
2460	43%	-3.66	1.97
2470	43%	-3.71	1.45
2480	42%	-3.73	1.11
2490	42%	-3.76	0.83
2500	41%	-3.91	1.04
5150	41%	-3.89	0.66
5200	36%	-4.42	0.92
5250	35%	-4.56	1.01
5300	38%	-4.23	1.72
5350	36%	-4.49	2.52
5400	35%	-4.53	2.57
5450	34%	-4.65	3.14
5500	33%	-4.83	3.76
5550	33%	-4.79	3.86
5600	33%	-4.84	3.91
5650	33%	-4.78	3.97
5700	32%	-4.92	4.28
5750	32%	-4.96	3.92
5800	30%	-5.26	3.22
5850	32%	-4.96	1.96

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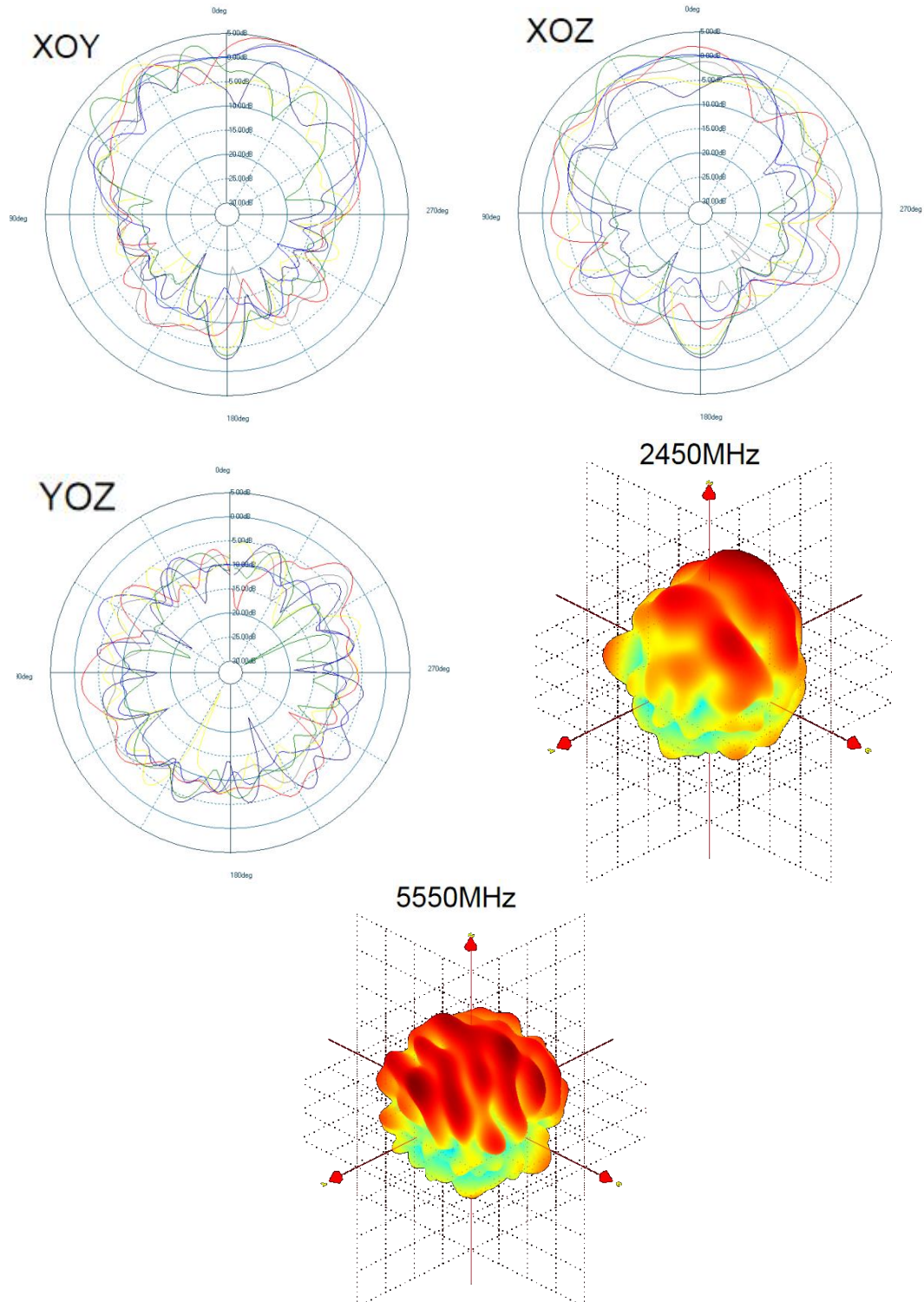
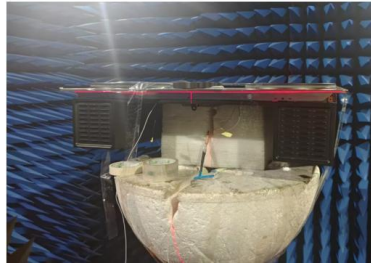
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2-3 2D/3D Radiation Pattern Results



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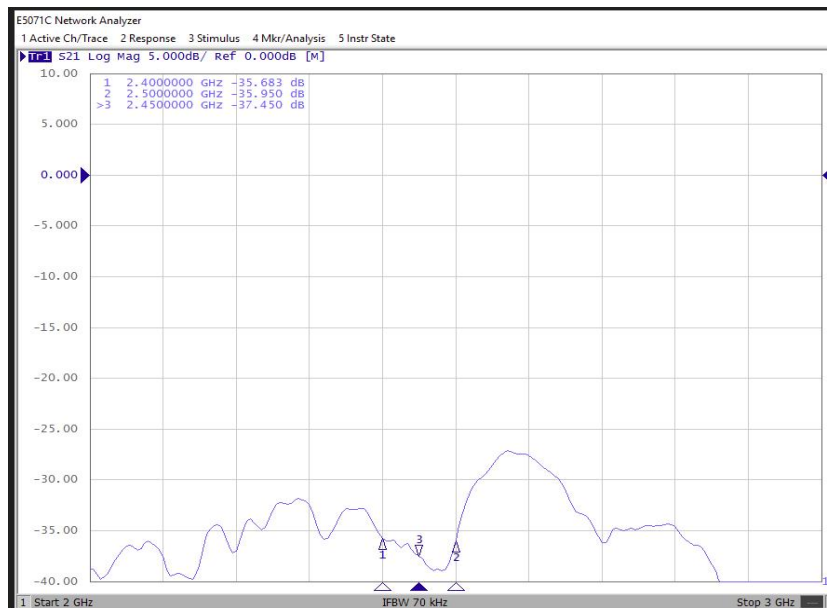
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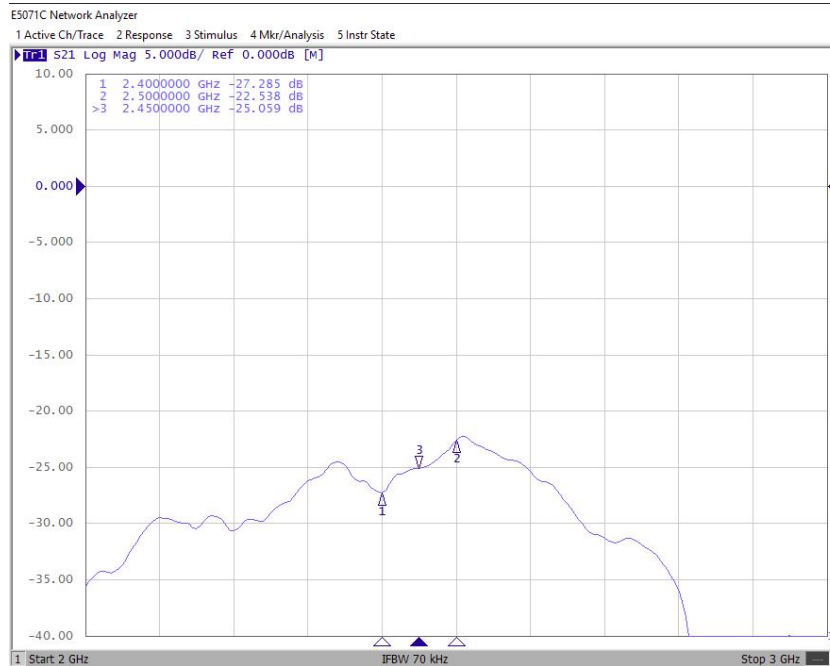
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2-4 insulation

2.4G&5G antenna and LTE antenna



2.4G&5G antenna and 2.4G antenna



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2-4 Environmental treatment

