SPECIFICATION

SHEET FOR APPROVAL

（Revision：R：A0）

	CUSTOMER(客户名称)	通力	
	CS P/N(客户机种)	YY2085C	
	PART NAME(品名)	BTM_2#天线组件	
	MODEL NAME(型号名称)		
	FREQUENCY(频率)	2400~2500MHz	
	ZTX NO.(物料编号)	2.00006595	
	DATE(日期)	2024-06-24	

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
		覃乐	韦进	

深圳市中天迅通信技术股份有限公司 2024.06.24 研发专用章

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Revision history

版本	日期	状态
A0	2024-06-24	初版

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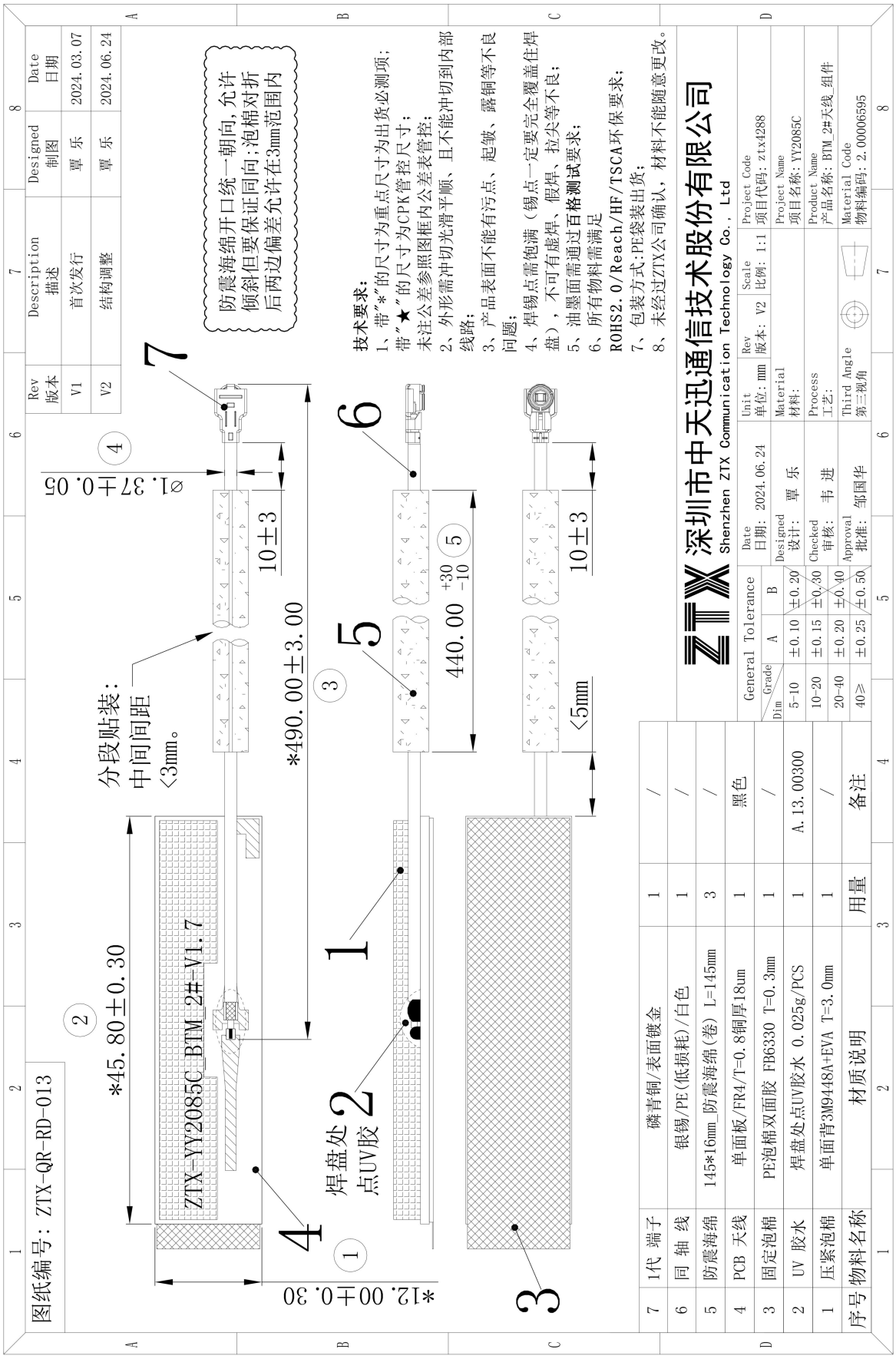
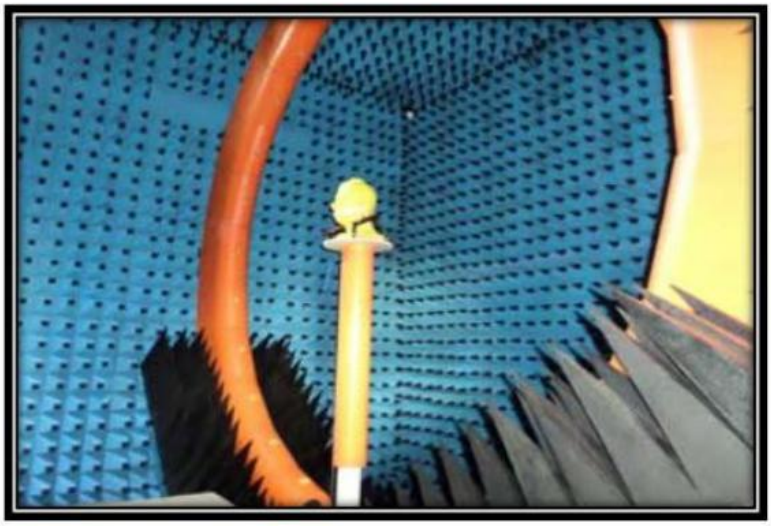
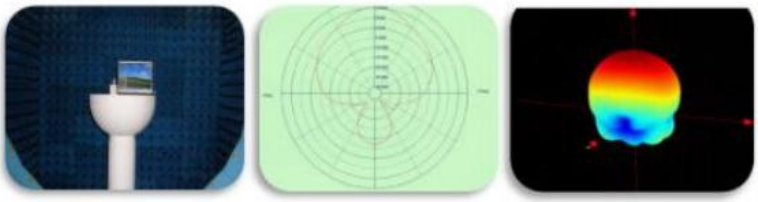
1. Mechanical Specification

1-1 Mechanical Configuration（BTM_2#天线组件）



2.Test equipment

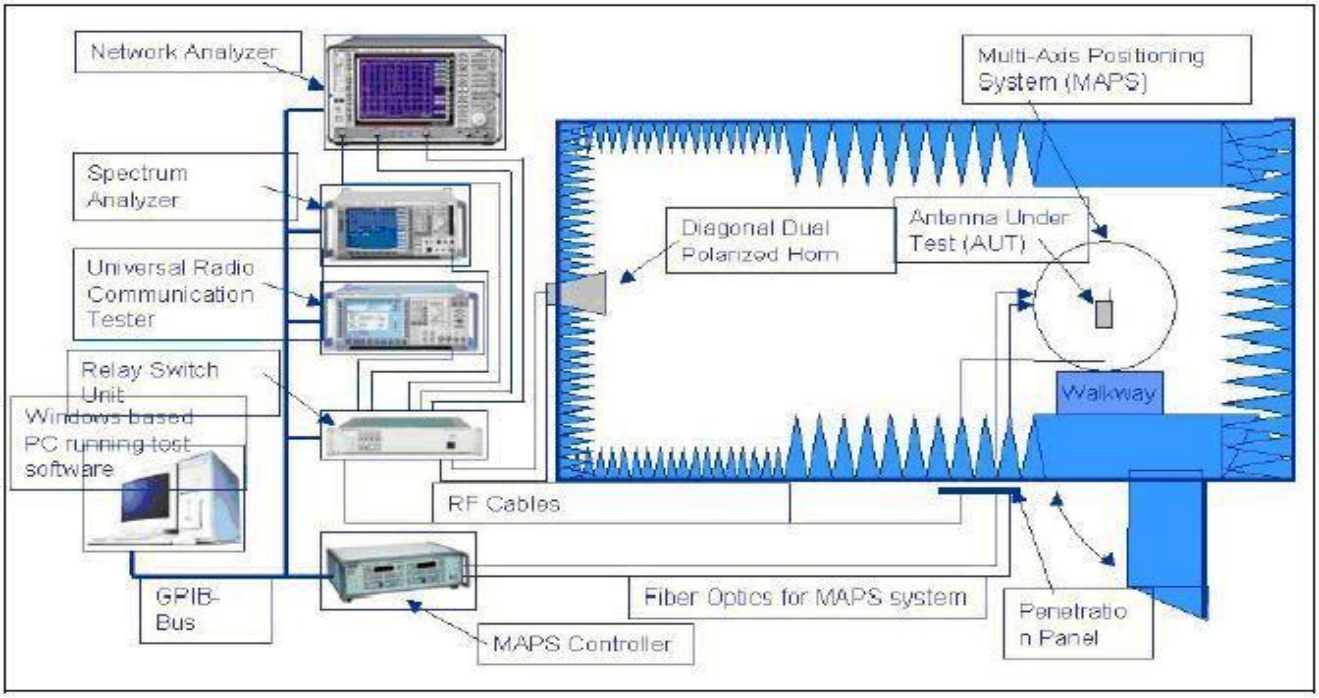




Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems（one in SHENZHEN, another one in Shanghai）, ETS OTA Standard test system，Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide 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 within0.4-6G.

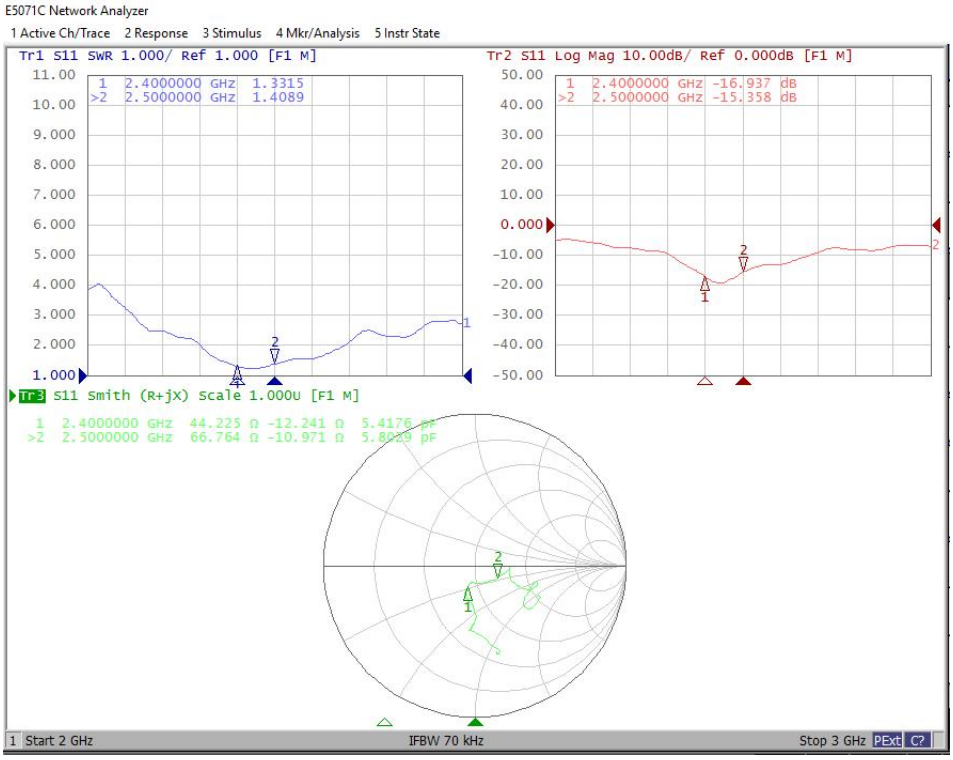


2-1 Active Test

BT传导数据				
频段	模式	CH	功率	灵敏度
2.4G	DH5	0	8.2	-94
		39	8.2	-94
		78	8.2	-94

BT-OTA数据					
频段	模式	CH	TRP	MAX	TIS
2.4G	DH5	0	5.01	10.82	-91.32
		39	5.06	10.86	-91.51
		78	5.11	10.93	-91.64

2-2 VSWR&S11



2-3 Passive Test

Freq (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	48%	-3.19	2.75
2410	49%	-3.10	2.63
2420	49%	-3.10	2.59
2430	48%	-3.19	2.53
2440	49%	-3.10	2.55
2450	49%	-3.10	2.53
2460	49%	-3.10	2.50
2470	48%	-3.19	2.45
2480	49%	-3.06	2.36
2490	49%	-3.08	2.38
2500	50%	-3.05	2.32

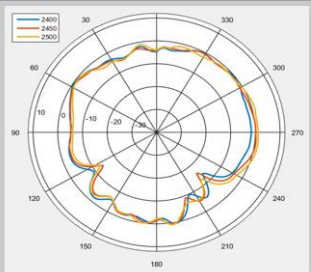
2-4 2D/3D Radiation Pattern Results

ANT 2#（2G方向图）

Theta90° Y

xoy

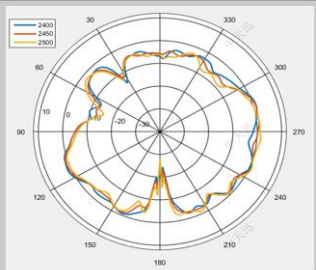
X



Z PHI-90°

yoz

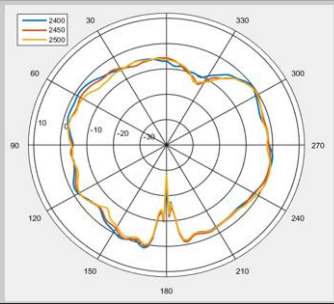
Y

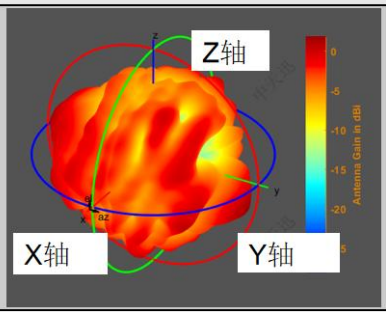


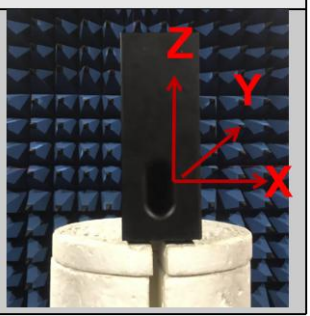
PHI-0° Z

xoz

X

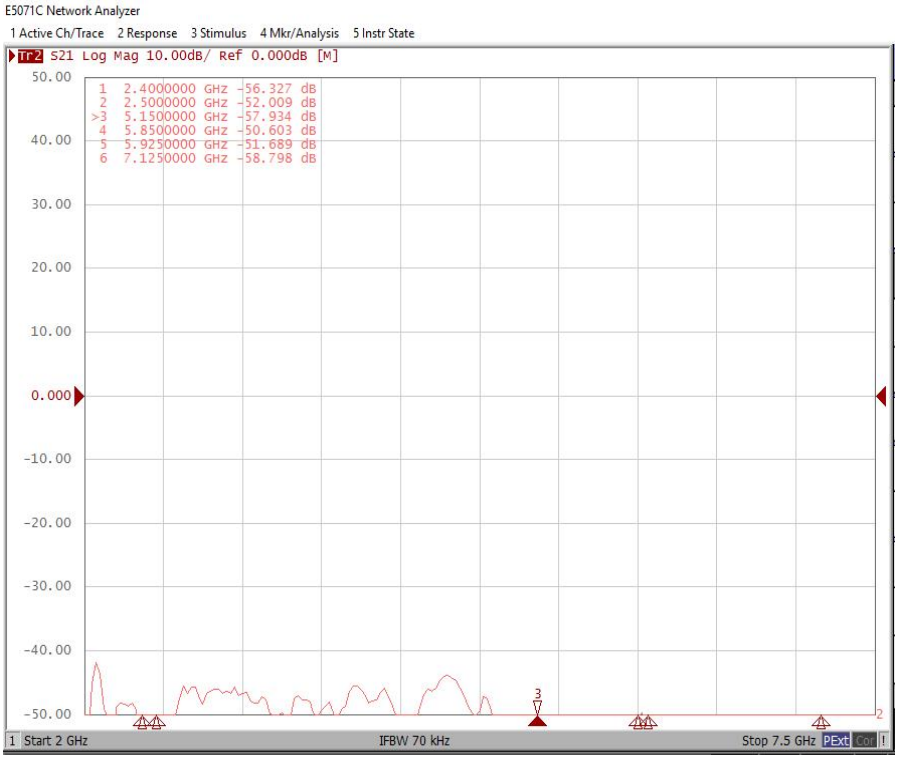




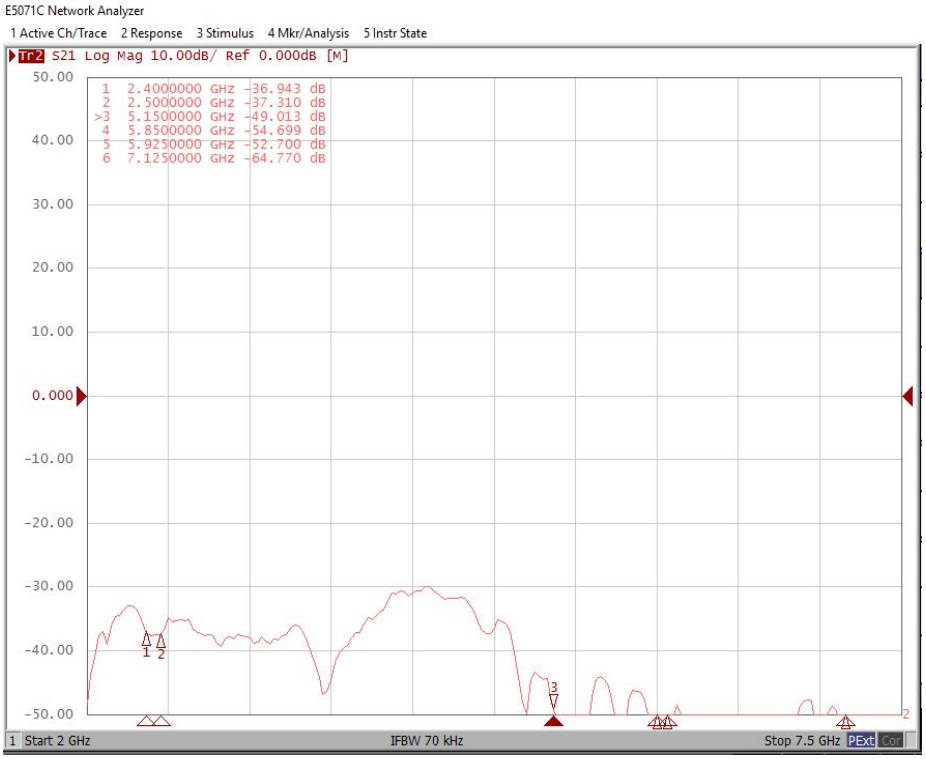


2-5 insulation

ANT1&ANT2

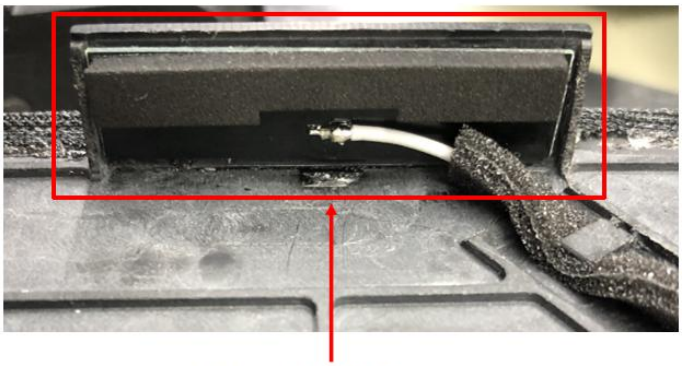


Ant2&Ant3



2-6 Environment treatment

Ant-1: BT (2.4G)



Size: 45.8X12mm