

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER(客户名称)	Tonly	
CS P/N(客户机种)		
PART NAME(品名)	ZTX-SH1-Ant-3#/4#天线组件	
MODEL NAME(型号名称)	ZTX-SH1-Ant-3#-V1.0 ZTX-SH1-Ant-4#-V1.3	
FREQUENCY(频率)	5150~5950/6000~6950/7000~7150MHz	
CUS.P/N(客户料号)		
ZTX NO.(物料编号)	2.00001768	
DATE(日期)	2025-06-24	

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
2025-06-24		覃乐	韦进	



Shenzhen ZTX Communication Technology Co., Ltd

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ANTENNA SPECIFICATION

Revision history

版本	日期	状态
A0	2025-06-24	初版

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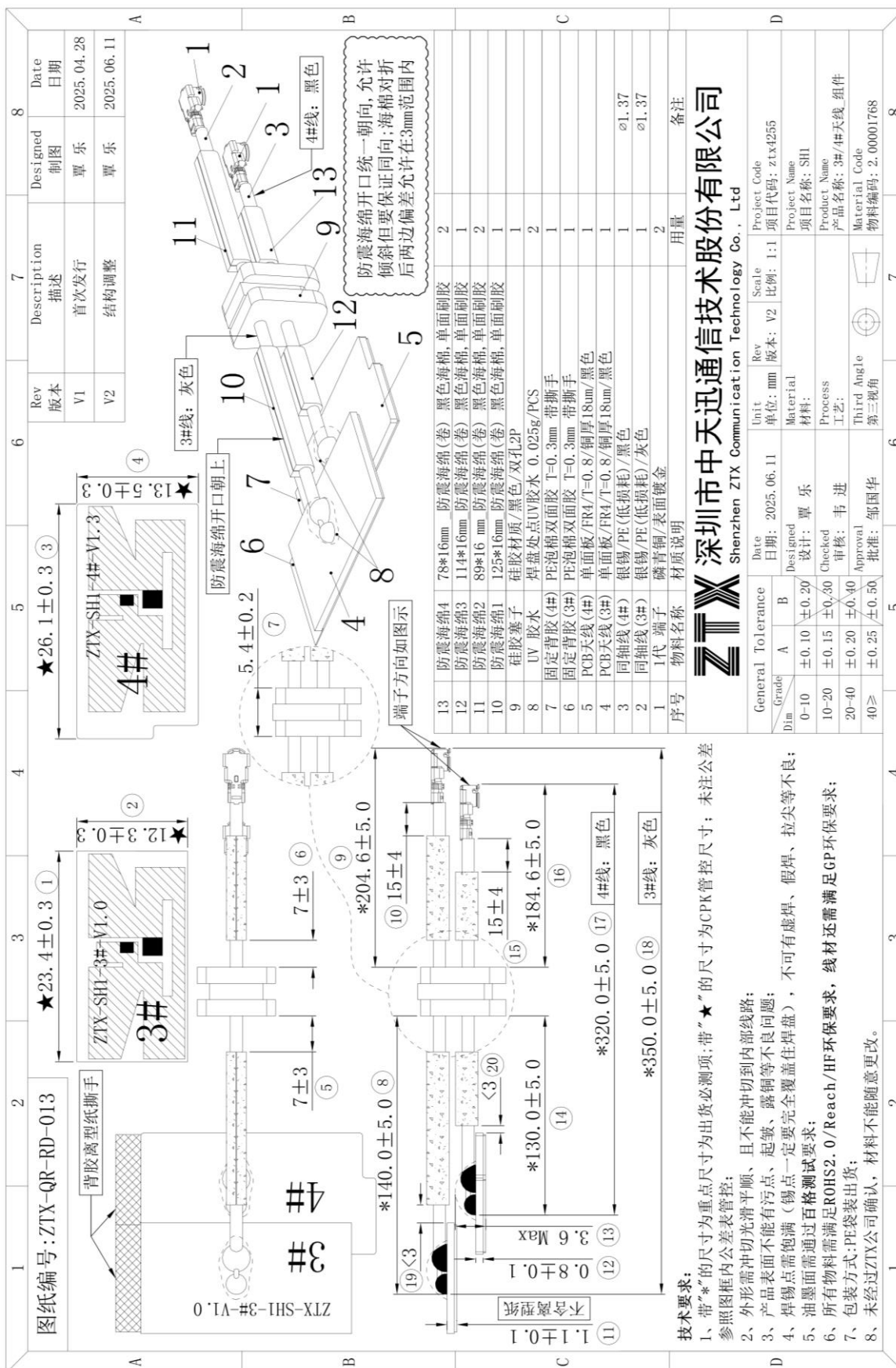
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1. Mechanical Specification

1-1 Mechanical Configuration (3#/4#天线组件)



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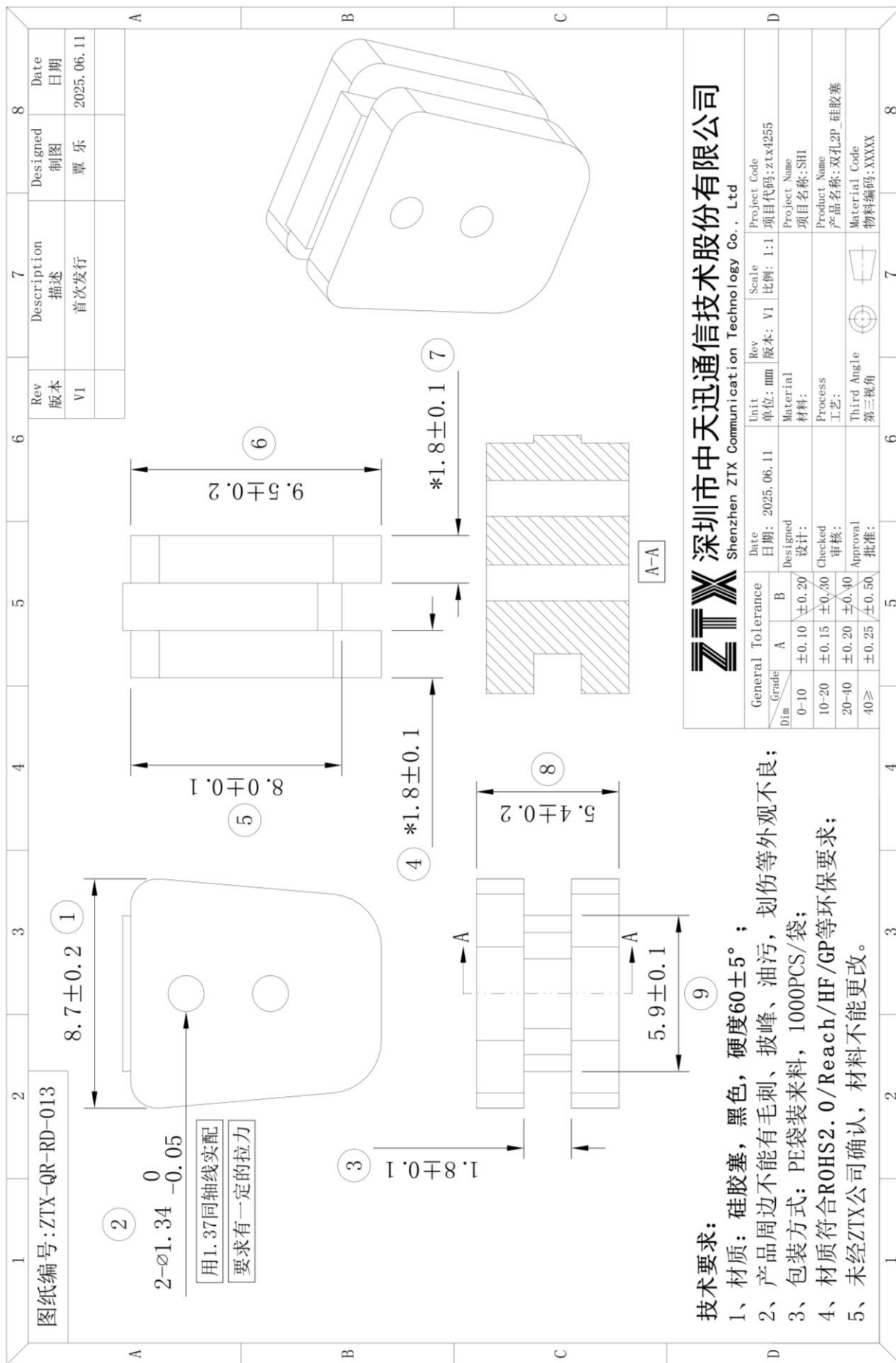
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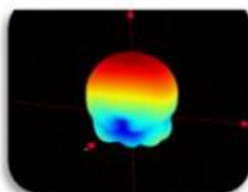
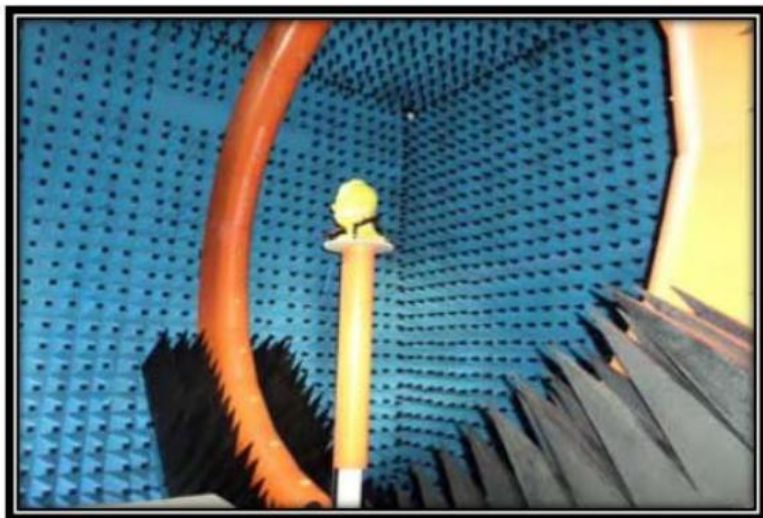
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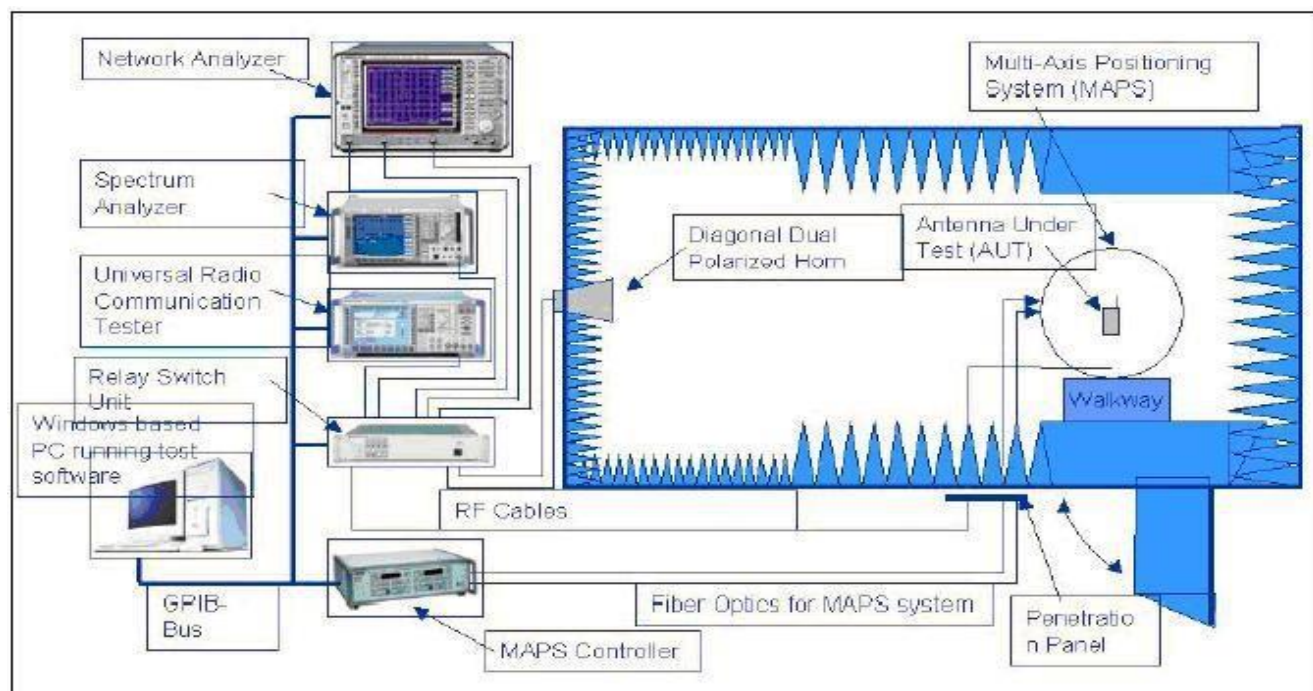
2.Test equipment



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 Passive Test

3#

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
5150	47%	-3.28	4.01	6200	46%	-3.37	3.77
5200	46%	-3.19	3.81	6250	47%	-3.28	3.42
5250	46%	-3.37	3.82	6300	46%	-3.37	3.47
5300	47%	-3.28	3.79	6350	45%	-3.47	3.57
5350	46%	-3.19	3.99	6400	46%	-3.37	3.56
5400	47%	-3.28	4.13	6450	45%	-3.47	3.58
5450	46%	-3.37	4.12	6500	46%	-3.37	3.62
5500	47%	-3.28	3.92	6550	46%	-3.37	3.73
5550	46%	-3.37	3.93	6600	46%	-3.37	3.76
5600	45%	-3.47	3.81	6650	45%	-3.47	3.65
5650	46%	-3.37	3.63	6700	46%	-3.37	3.77
5700	47%	-3.28	3.76	6750	45%	-3.47	3.69
5750	46%	-3.37	3.65	6800	44%	-3.57	3.62
5800	45%	-3.47	3.68	6850	45%	-3.47	3.78
5850	46%	-3.37	3.52	6900	45%	-3.47	3.79
5900	47%	-3.28	3.71	6950	46%	-3.37	3.88
5950	45%	-3.47	3.82	7000	45%	-3.47	3.99
6000	47%	-3.28	3.88	7050	44%	-3.57	4.08
6050	46%	-3.37	3.93	7100	44%	-3.57	4.06
6100	45%	-3.47	3.96	7150	45%	-3.47	3.95
6150	46%	-3.37	4.01				

4#

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
5150	48%	-3.19	4.28	6200	46%	-3.37	4.25
5200	48%	-3.19	4.33	6250	46%	-3.37	4.18
5250	49%	-3.10	4.49	6300	46%	-3.37	4.31
5300	48%	-3.19	4.36	6350	45%	-3.47	4.25
5350	49%	-3.10	4.25	6400	46%	-3.37	4.33
5400	48%	-3.19	4.32	6450	45%	-3.47	4.42
5450	47%	-3.28	4.24	6500	46%	-3.37	4.37
5500	47%	-3.28	4.21	6550	45%	-3.47	4.29
5550	48%	-3.19	4.12	6600	46%	-3.37	4.22
5600	49%	-3.10	4.01	6650	47%	-3.28	4.28
5650	47%	-3.28	4.11	6700	46%	-3.37	4.48
5700	48%	-3.19	4.09	6750	45%	-3.47	4.37
5750	46%	-3.37	4.02	6800	45%	-3.47	4.36
5800	47%	-3.28	4.05	6850	44%	-3.57	4.42
5850	47%	-3.28	4.12	6900	43%	-3.67	4.33
5900	46%	-3.37	4.26	6950	43%	-3.67	4.38
5950	47%	-3.28	4.25	7000	43%	-3.67	4.39
6000	48%	-3.19	4.28	7050	43%	-3.67	4.43
6050	47%	-3.28	4.26	7100	42%	-3.77	4.41
6100	46%	-3.37	4.16	7150	42%	-3.77	4.27
6150	45%	-3.47	4.22				

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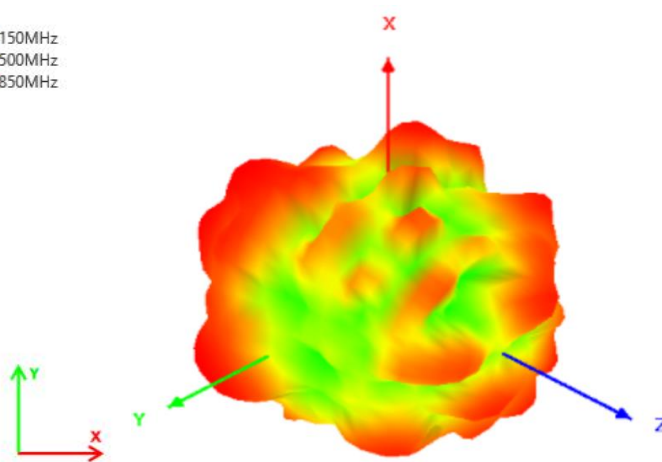
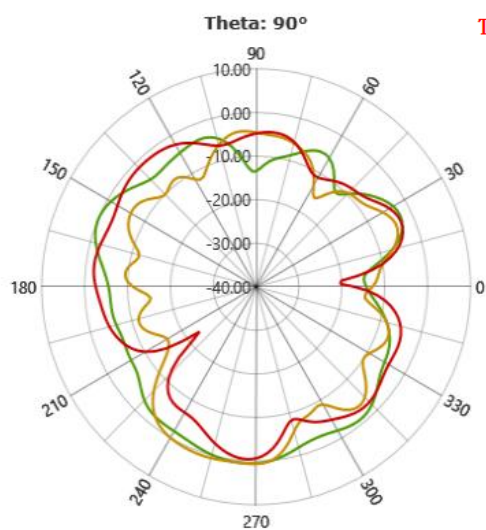
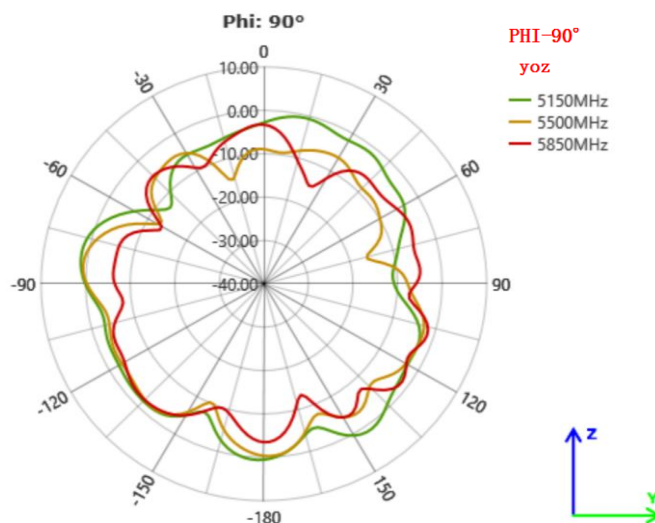
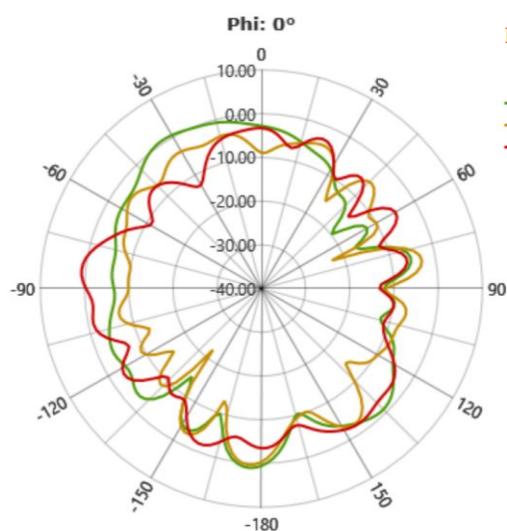
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2-2 2D/3D Radiation Pattern Results

5G 3#



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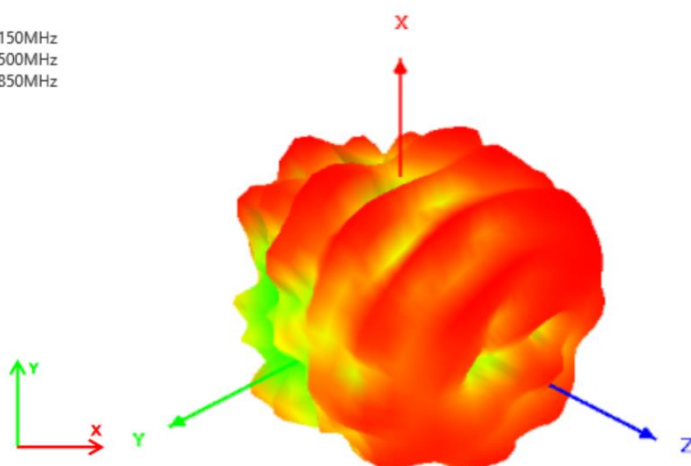
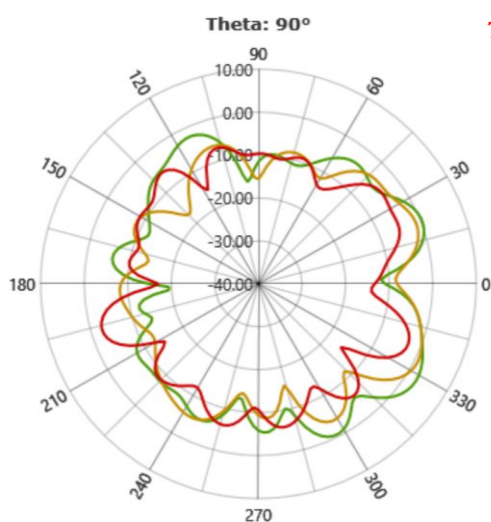
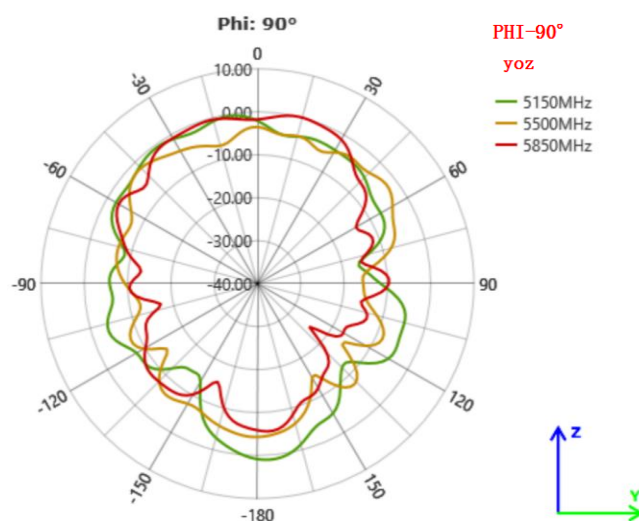
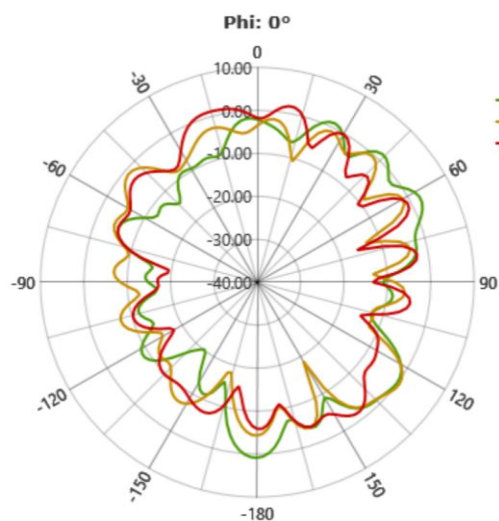
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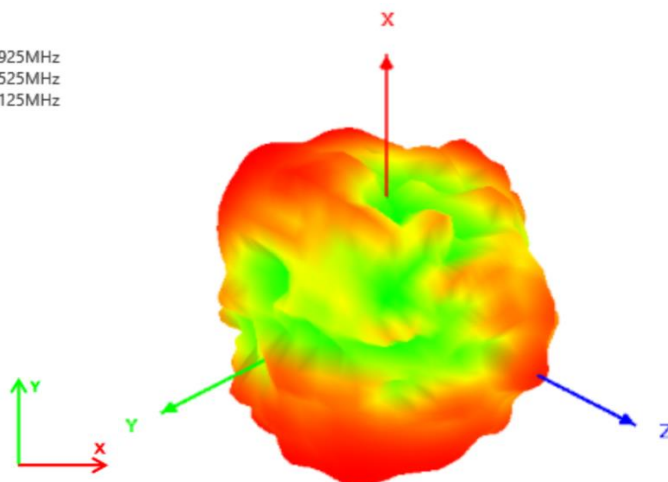
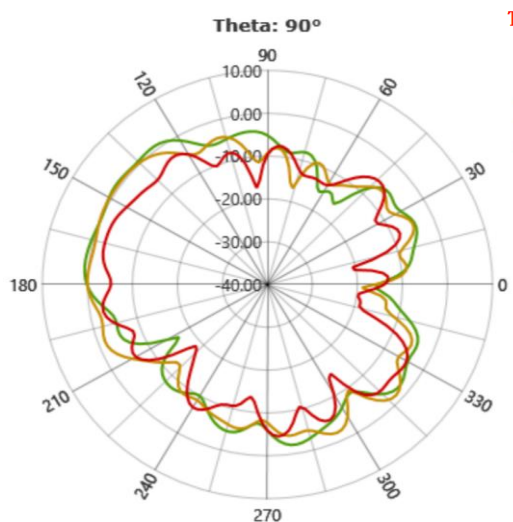
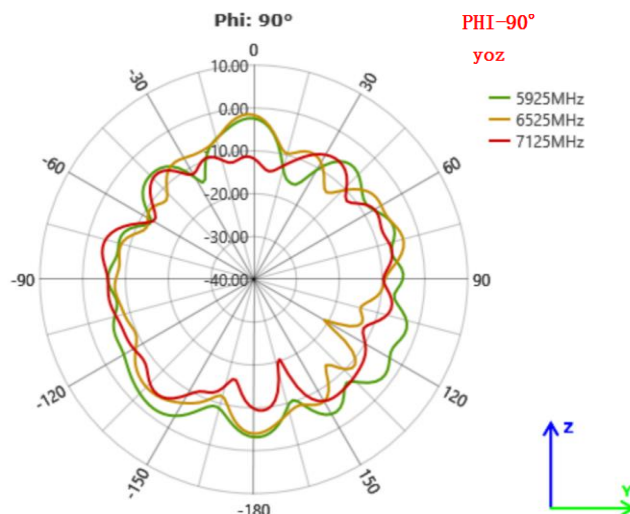
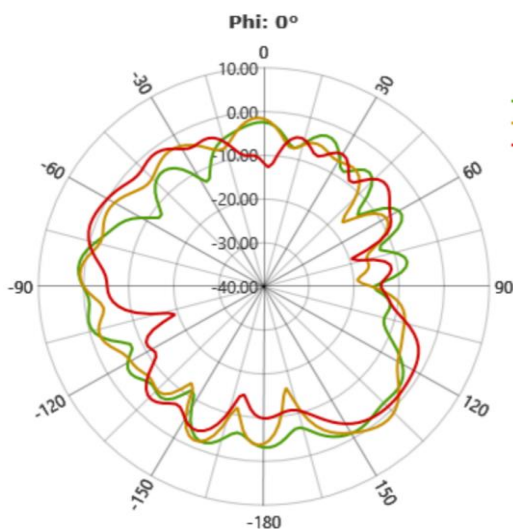
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