

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER(客户名称)	谱程未来	
	CS P/N(客户机种)	L2 Plus	
	PART NAME(品名)	WIFI1天线组件	
	FREQUENCY(频率)	2.4G~2.5G+5.15~5.85G	
	ZTX NO.(物料编号)	2.00001515	
	DATE(日期)	2024-12-20	

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
邹国华	研发专用章	邹一麟	江博厚	



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ANTENNA SPECIFICATION

CUS P/N: L2 Plus_WIFI2天线组件
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Revision history

版本	日期	状态
A0	2024-12-20	初版

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ANTENNA SPECIFICATION

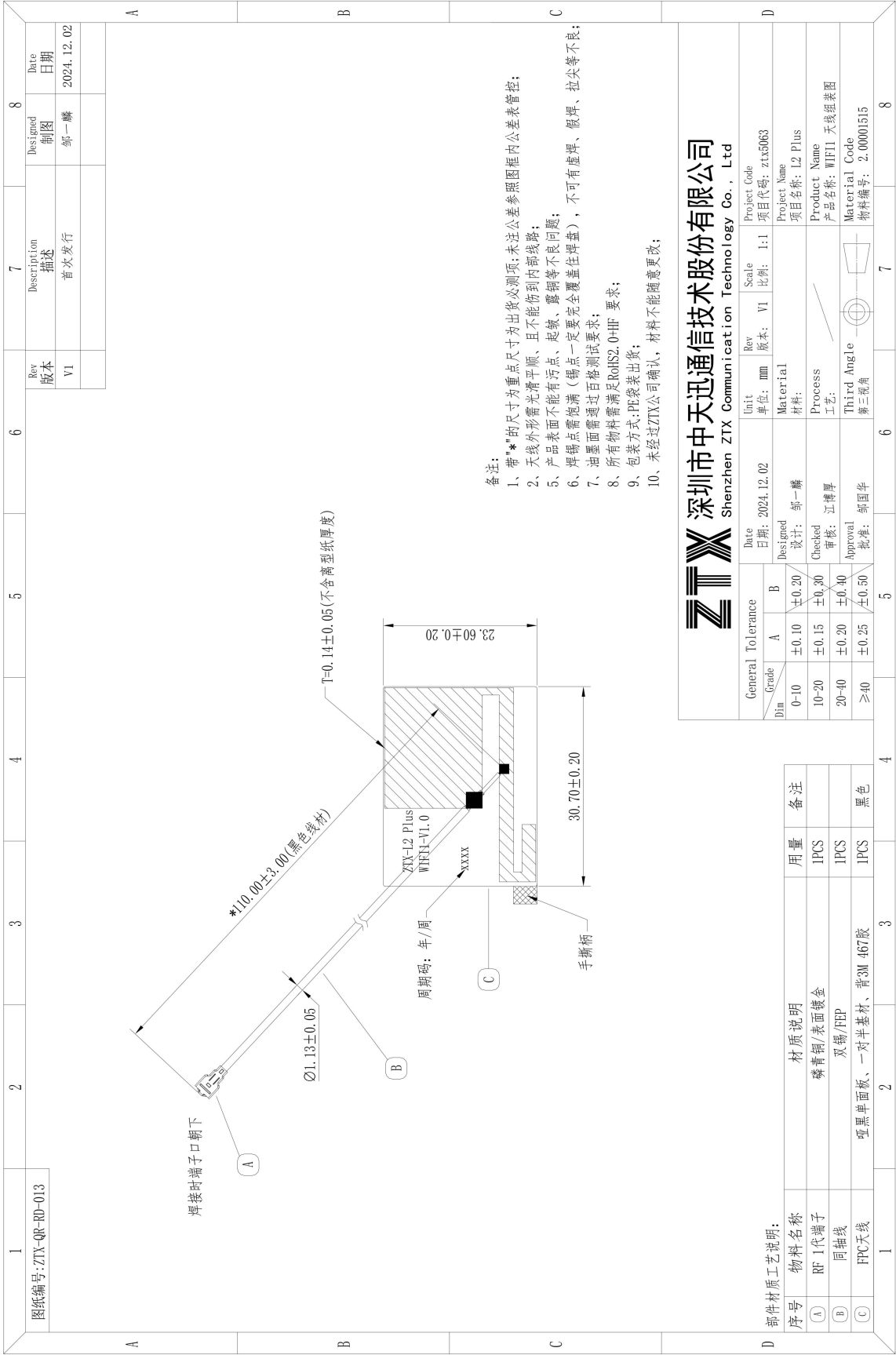
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1.Mechanical Specification

1-1 Mechanical Configuration(WIFI1 天线组件)



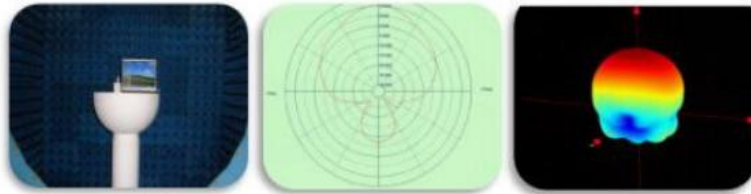
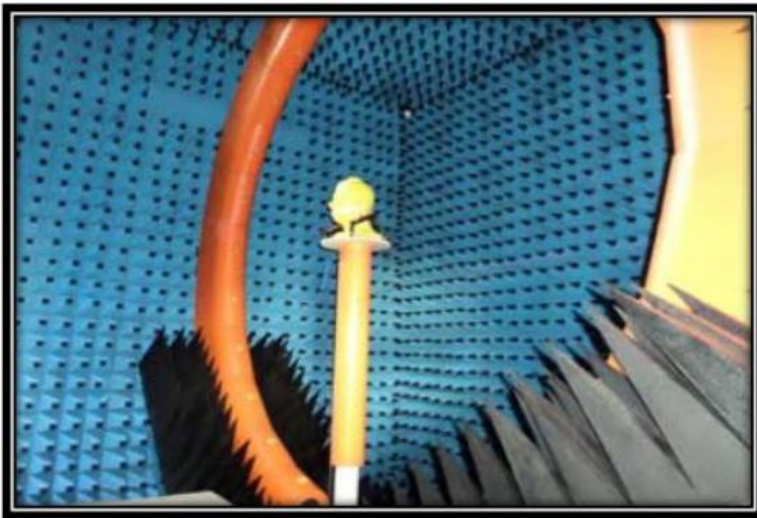
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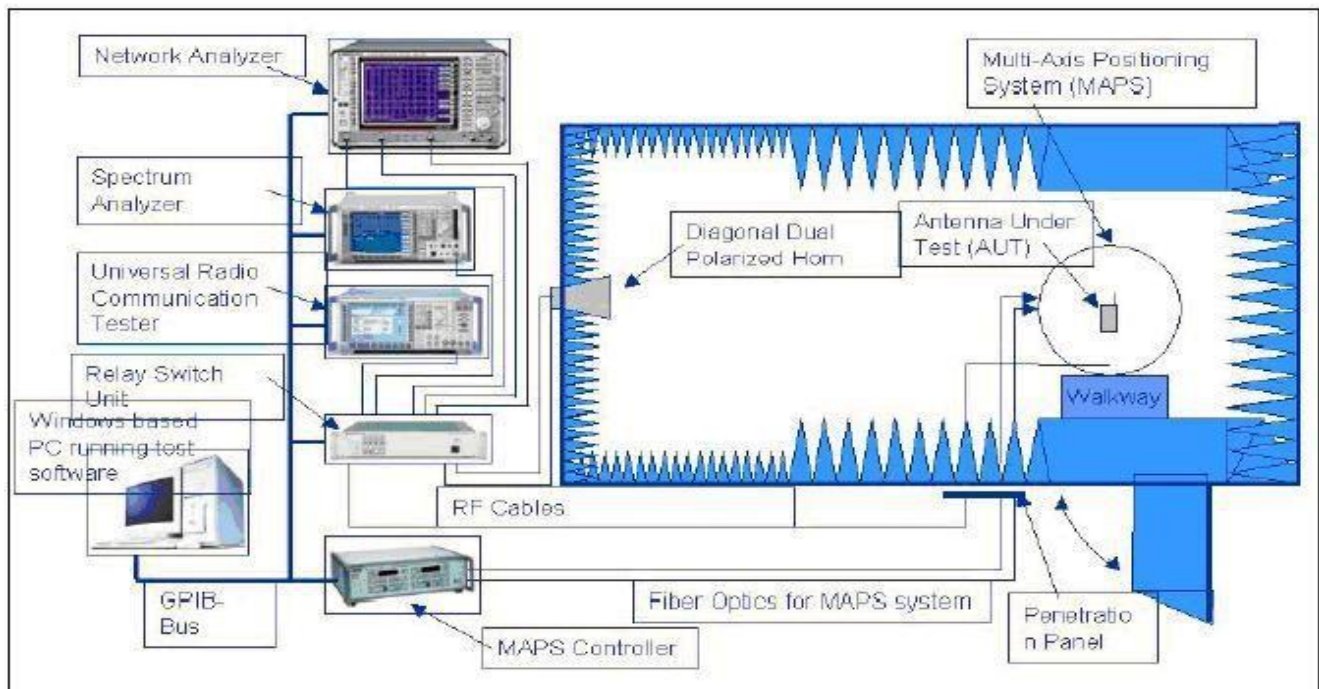
2. Test equipment



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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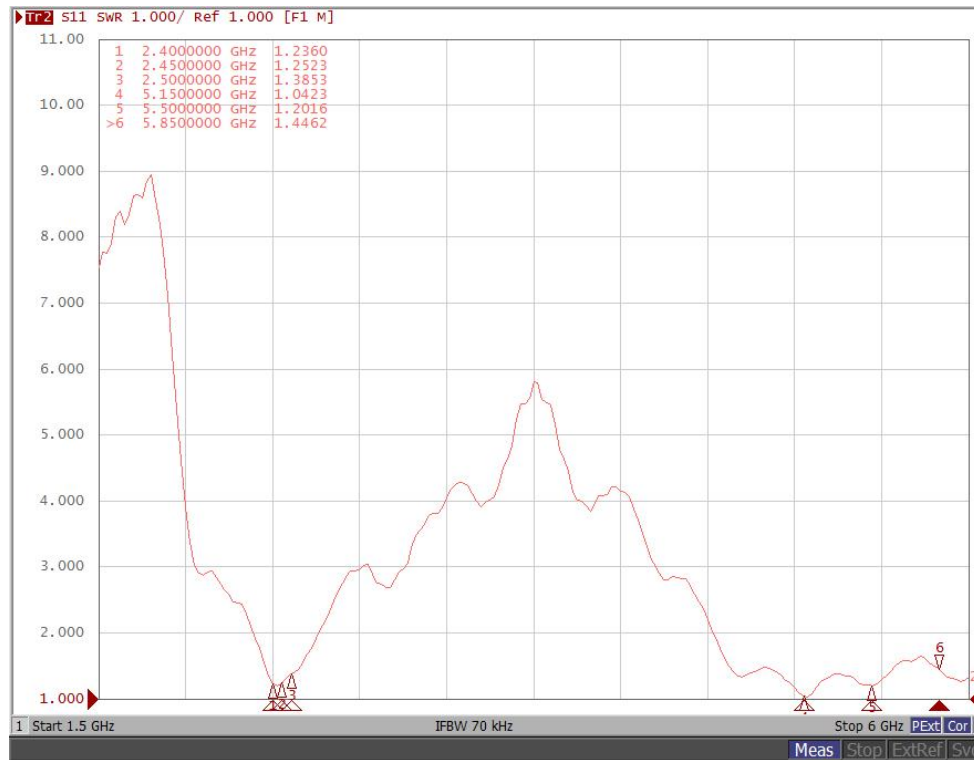
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3.Antenna test data

3-1 VSWR



3-2 No-source test data

Frequency	Efficiency	Efficiency (dB)	Gain (dB)	Frequency	Efficiency	Efficiency (dB)	Gain (dB)
2400MHz	64%	-1.93	4.69	5150MHz	55%	-2.56	4.00
2410MHz	63%	-1.98	4.58	5200MHz	55%	-2.58	3.75
2420MHz	66%	-1.81	4.74	5250MHz	55%	-2.57	4.12
2430MHz	67%	-1.76	4.83	5300MHz	55%	-2.60	3.95
2440MHz	68%	-1.68	4.91	5350MHz	56%	-2.51	3.41
2450MHz	68%	-1.68	4.98	5400MHz	55%	-2.56	4.29
2460MHz	67%	-1.75	5.27	5450MHz	58%	-2.38	4.76
2470MHz	65%	-1.86	5.54	5500MHz	58%	-2.36	4.52
2480MHz	66%	-1.84	5.65	5550MHz	59%	-2.30	3.80
2490MHz	65%	-1.84	5.68	5600MHz	59%	-2.28	3.66
2500MHz	64%	-1.96	5.55	5650MHz	59%	-2.27	4.78
				5700MHz	60%	-2.25	5.12
				5750MHz	59%	-2.30	4.71
				5800MHz	58%	-2.40	4.56
				5850MHz	57%	-2.43	4.58

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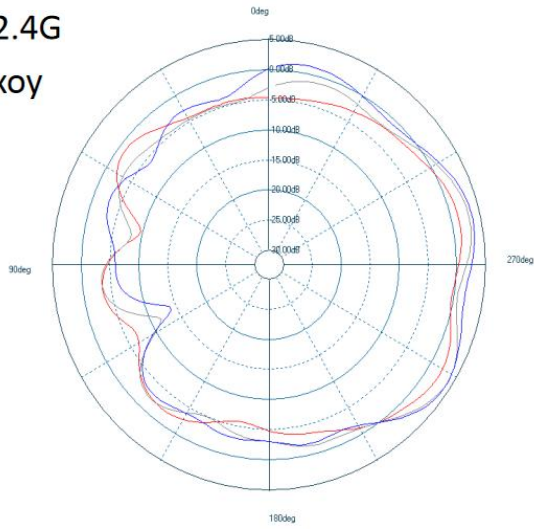
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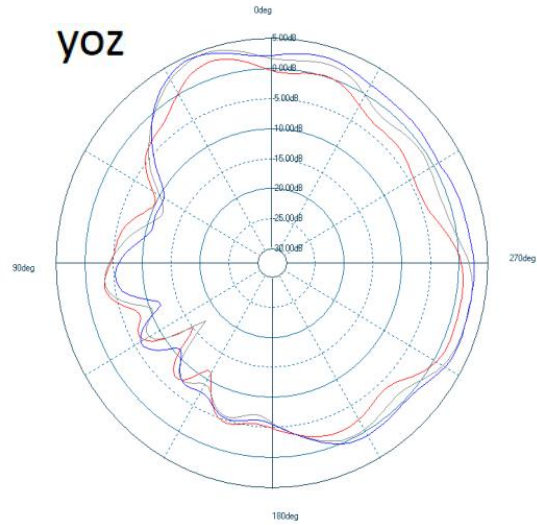
3-3 2D/3D Radiation Pattern Results

2.4G

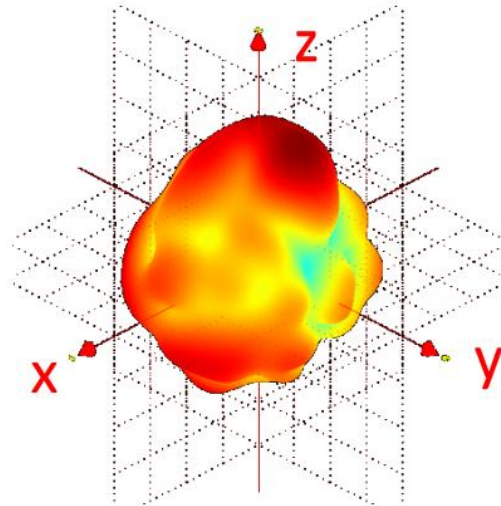
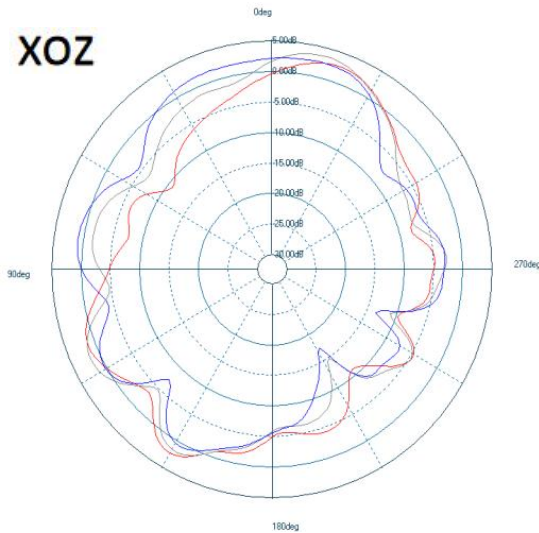
xoy



yoz



XOZ



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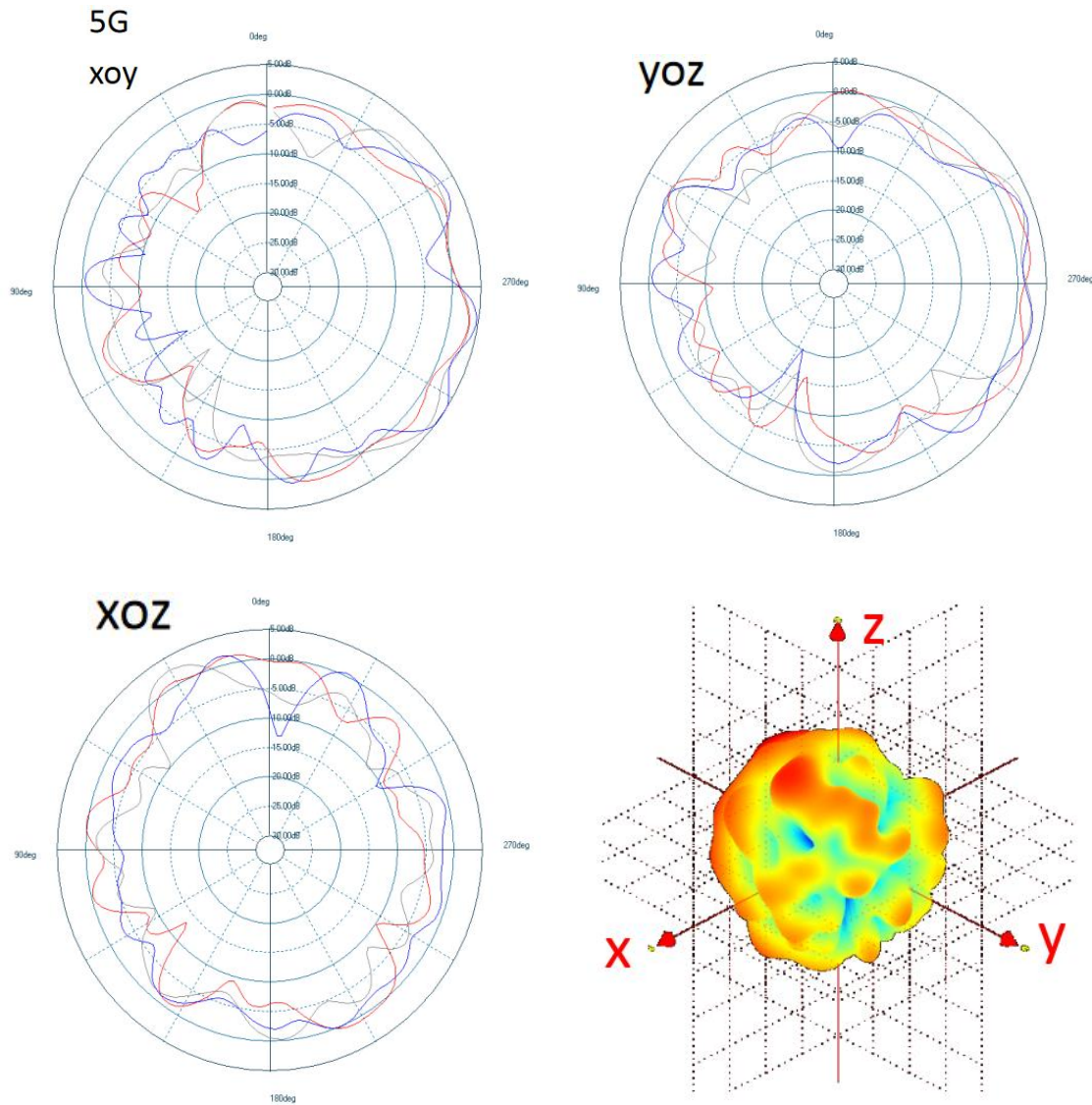
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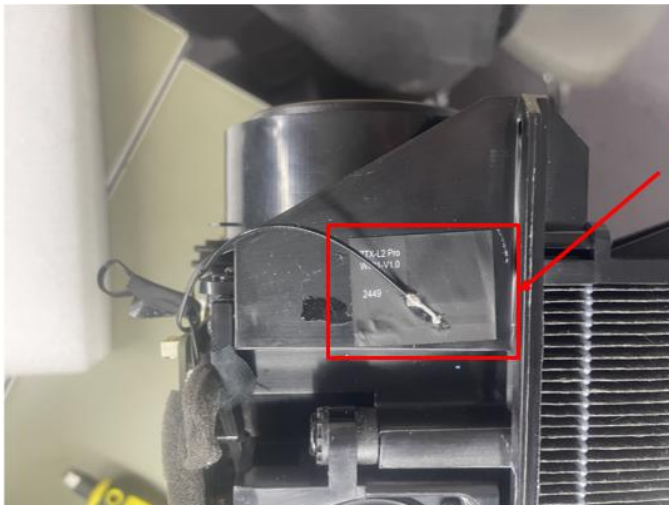
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3-4 Environmental treatment



WIFI2