

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Anker	
	CS P/N	D2425	
	PART NAME	WIFI2 Antenna components	
	FREQUENCY	2400~2500/5150~5850MHz	
	ZTX NO.	2.00006213(0224010021439)	
	DATE	2025-01-15	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Zhengwei.Chen	Bohou.Jiang	



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ANTENNA SPECIFICATION

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Revision history

Edition	Date	state
A0	2025-01-15	First edition

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ANTENNA SPECIFICATION

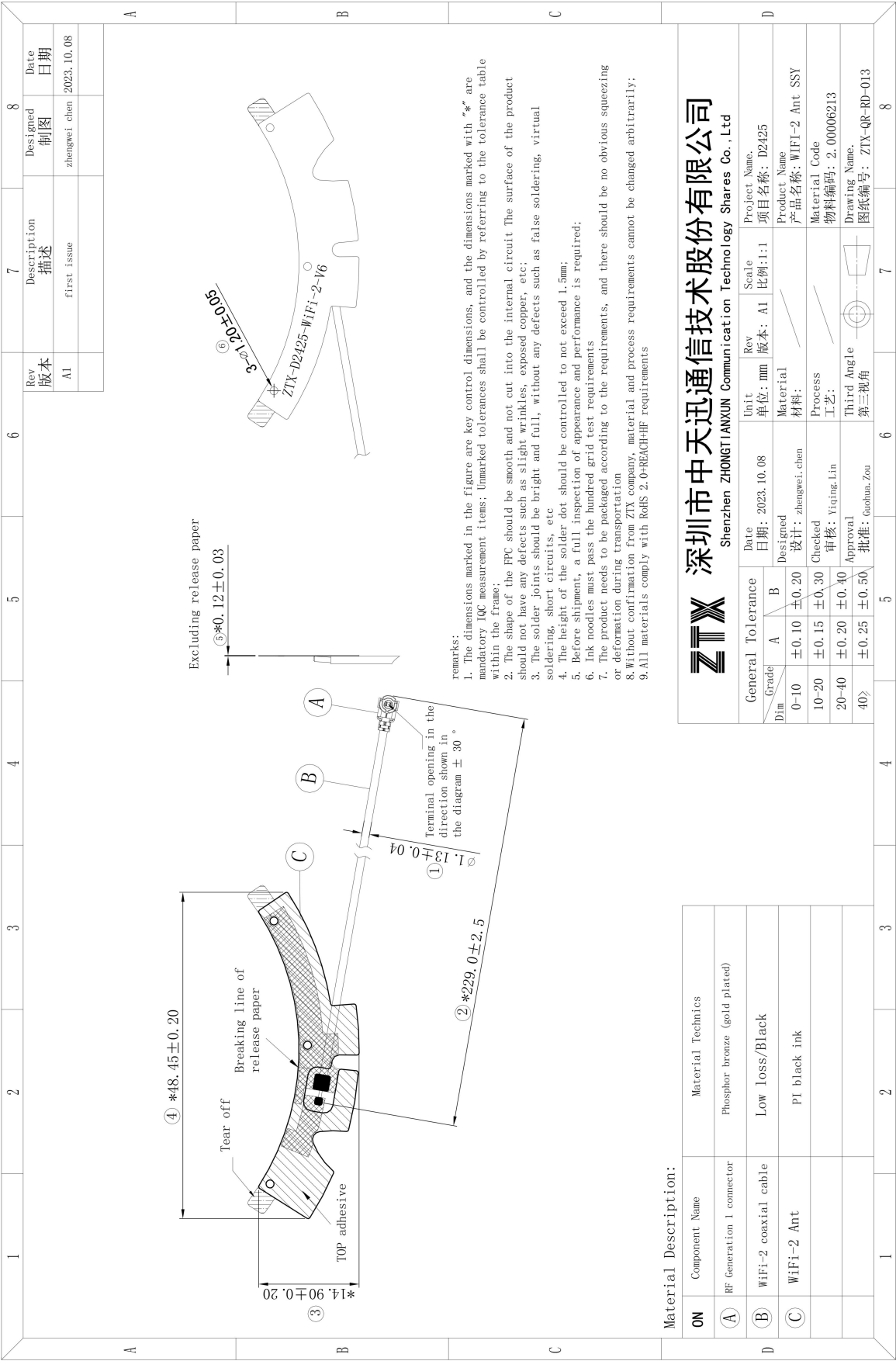
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI2 Antenna components)



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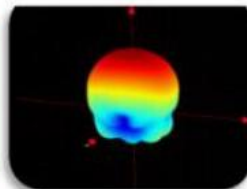
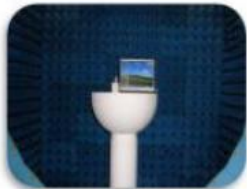
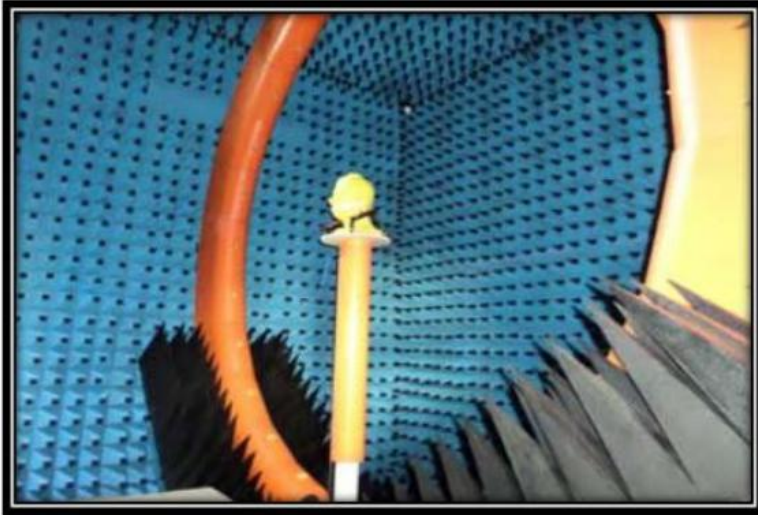
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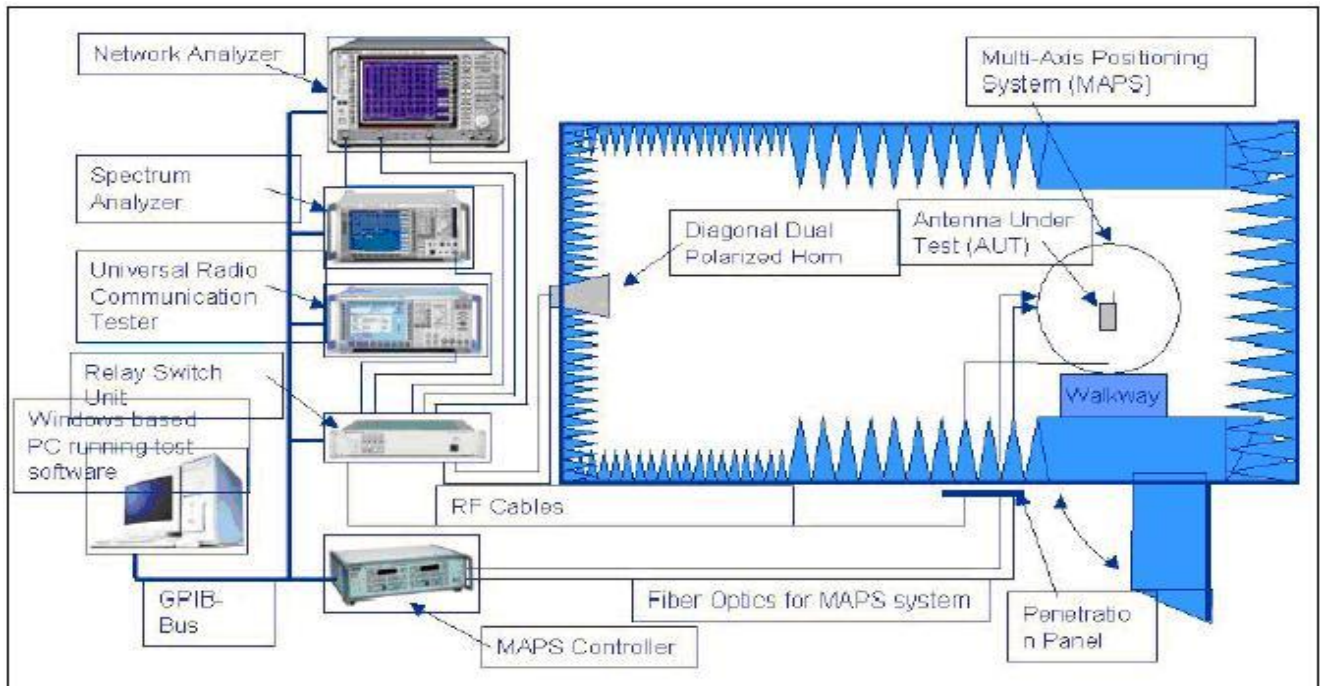
2. Test equipment



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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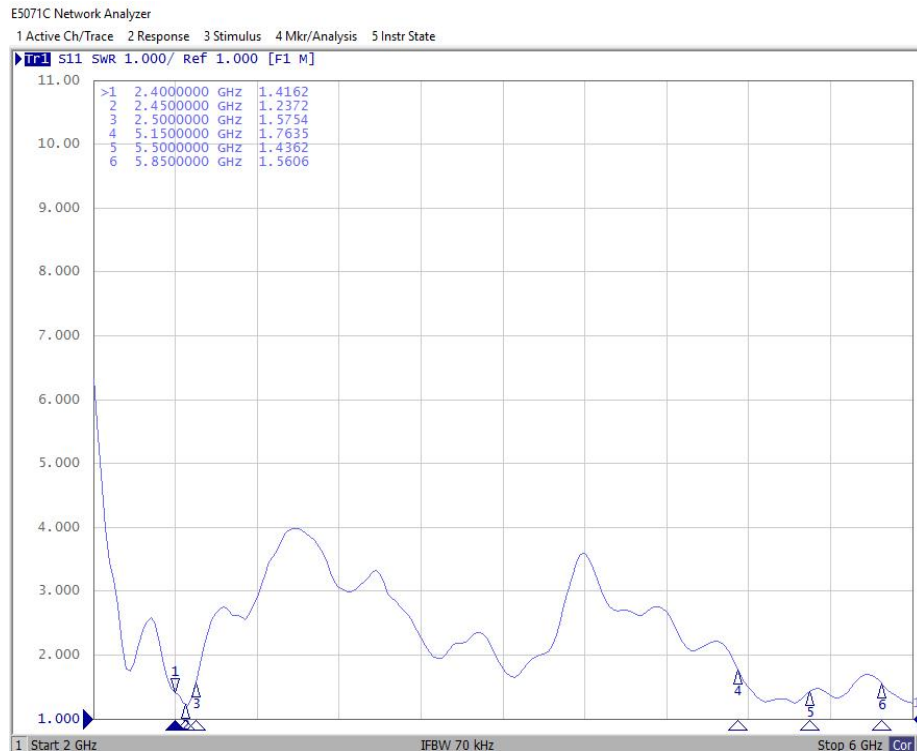
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3.Test Results Surmmary

3-1 VSWR



3-2 No-source test data

Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	45%	-3.49	2.78
2410	46%	-3.40	2.44
2420	46%	-3.35	2.03
2430	44%	-3.55	2.01
2440	45%	-3.43	2.30
2450	43%	-3.64	2.18
2460	44%	-3.57	2.55
2470	44%	-3.56	2.38
2480	44%	-3.58	2.38
2490	45%	-3.46	2.56
2500	46%	-3.36	2.54
5150	41%	-3.92	3.14
5200	42%	-3.78	3.94
5250	41%	-3.85	3.15
5300	42%	-3.77	3.23
5350	43%	-3.70	3.51
5400	41%	-3.90	3.56
5450	41%	-3.82	3.60
5500	41%	-3.88	3.48
5550	43%	-3.67	4.39
5600	43%	-3.65	4.54
5650	41%	-3.85	4.64
5700	43%	-3.71	4.51
5750	41%	-3.91	4.34
5800	40%	-3.94	4.11
5850	43%	-3.71	4.73

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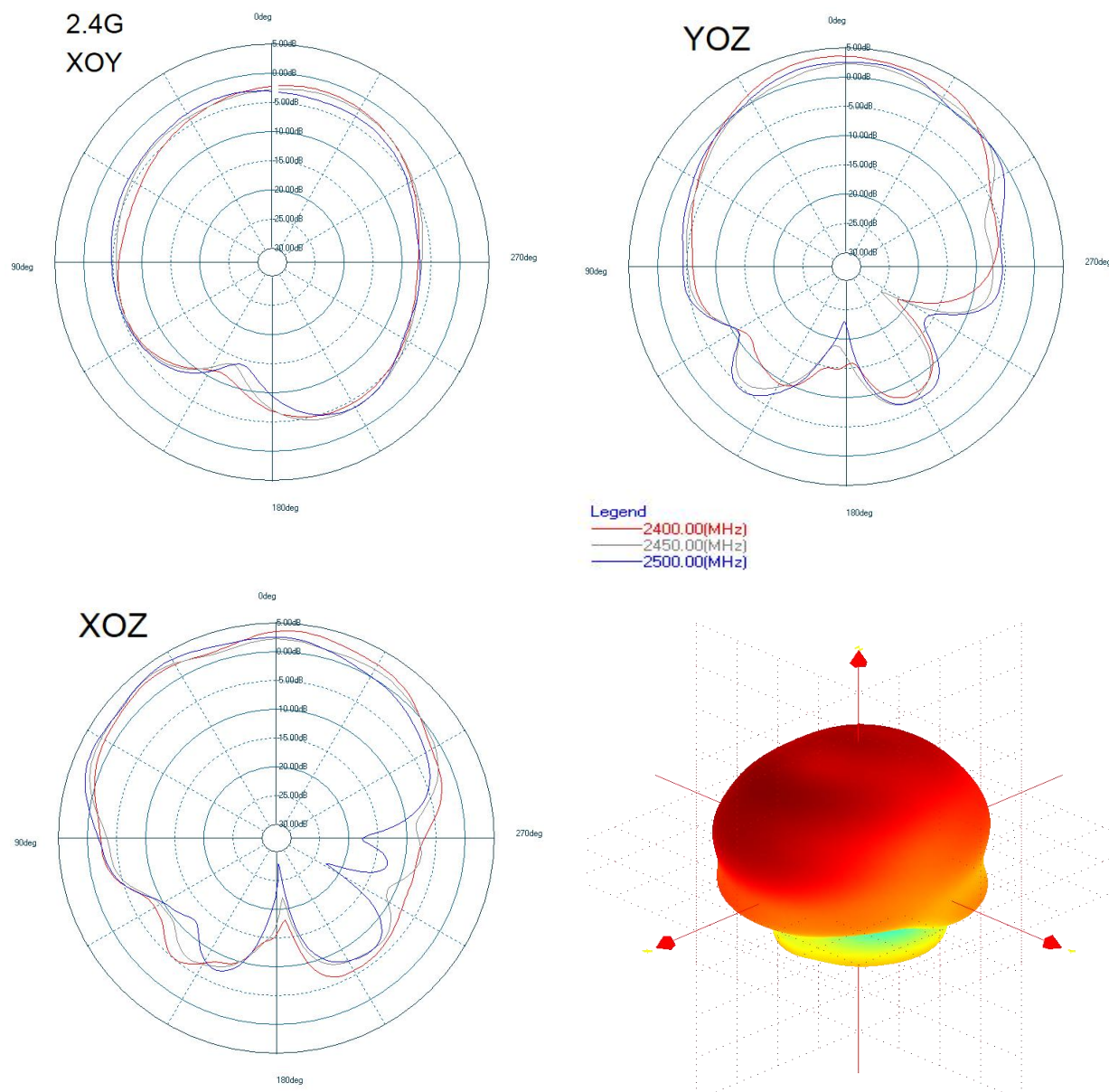
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3-3 2D/3D Radiation Pattern Results



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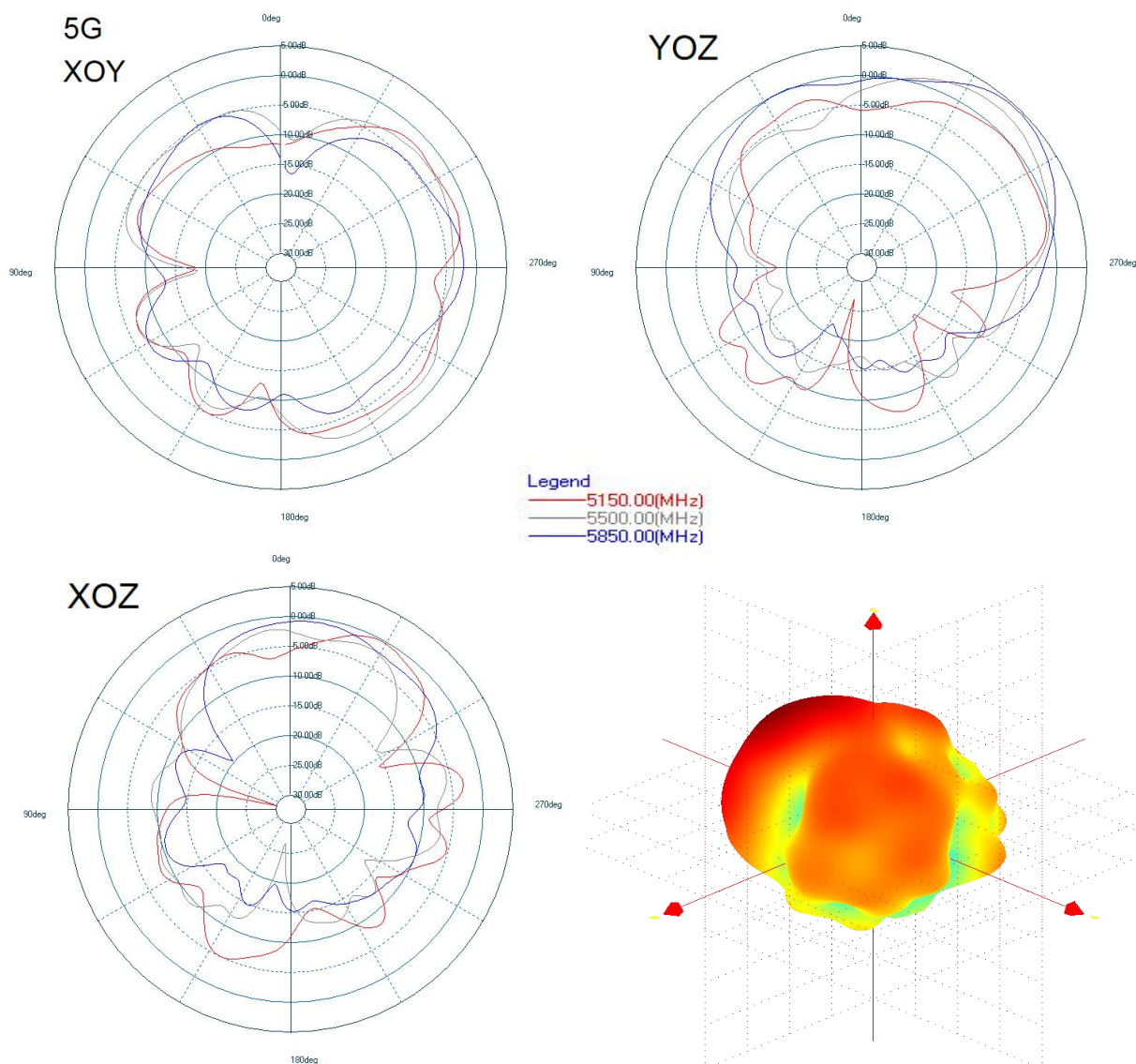
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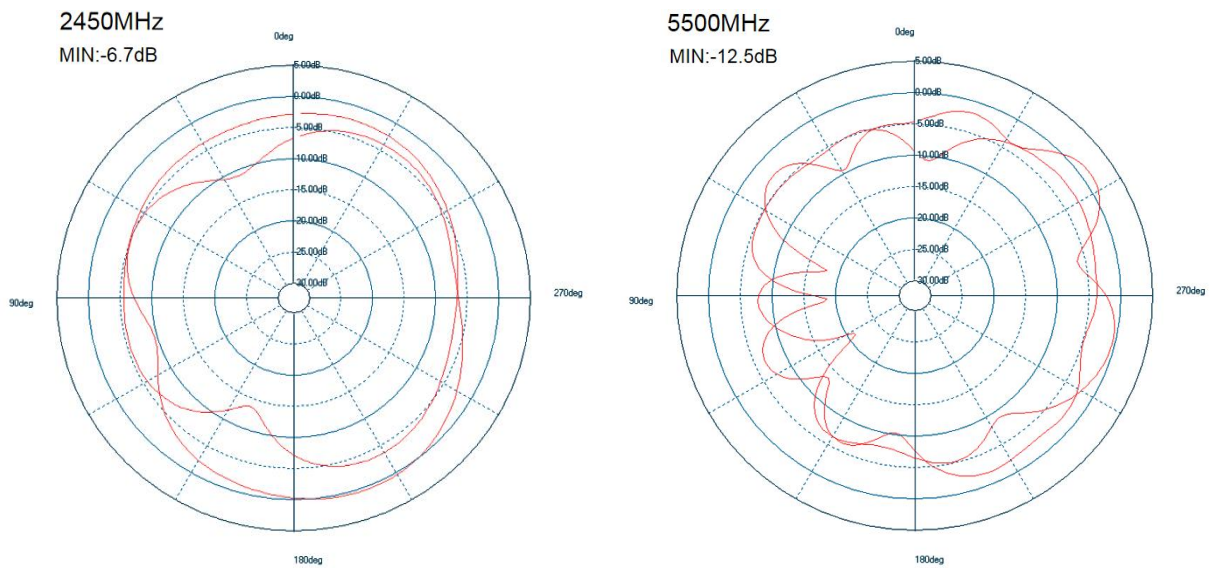
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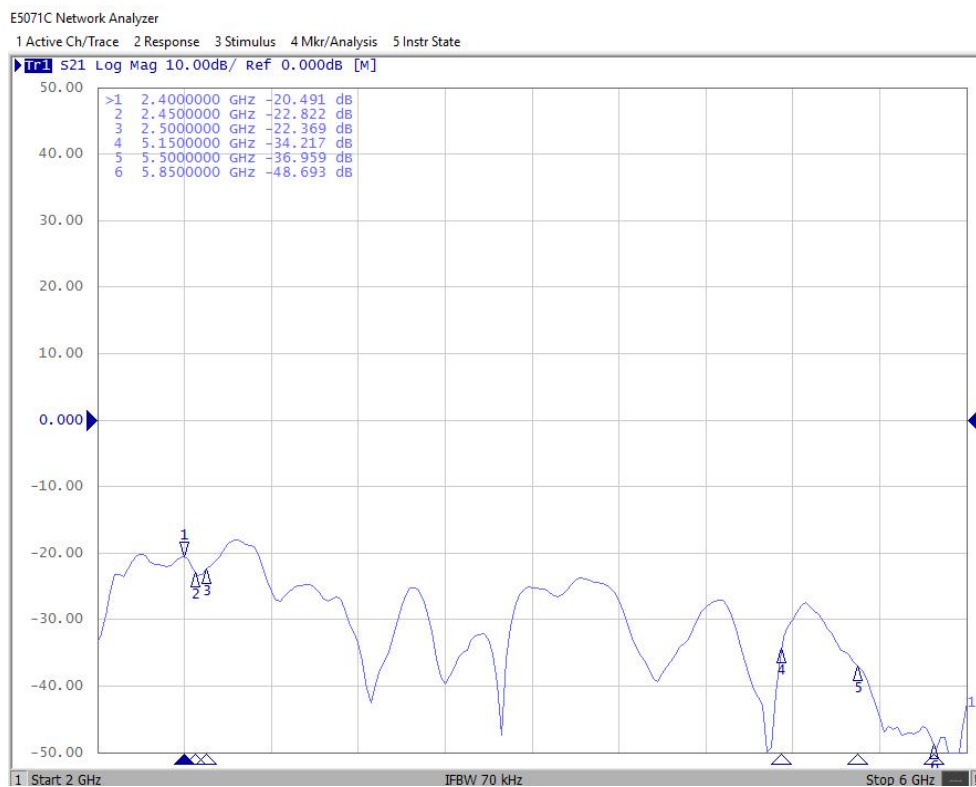
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3-4 WIFI 1 and WIFI 2 horizontal orientation map synthesis Fig



3-5 Isolation test

WIFI 1&WIFI 2



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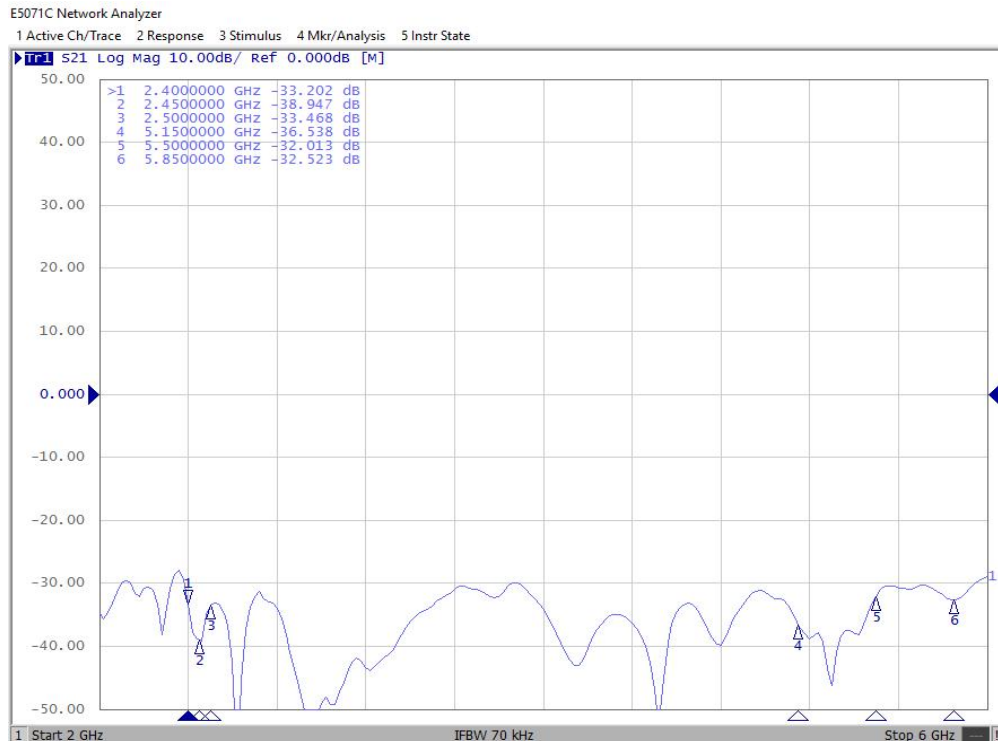
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WIFI 2&BT



3-6 Environment treatment

