

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker
CS P/N	T8707
PART NAME	WIFI antenna assembly
FREQUENCY	2400~2500/5150~5850MHz
CUS NO.	
ZTX NO.	2.00001717
DATE	2025-05-07

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
		Le.Qin	Yiqing.Lin	



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# ANTENNA SPECIFICATION

CUS P/N:T8707\_WIFI antenna assembly  
ZTX P/N :T8707\_WIFI antenna assembly

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## Revision history

Edition	Date	state
A0	2025-05-07	First edition

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# ANTENNA SPECIFICATION

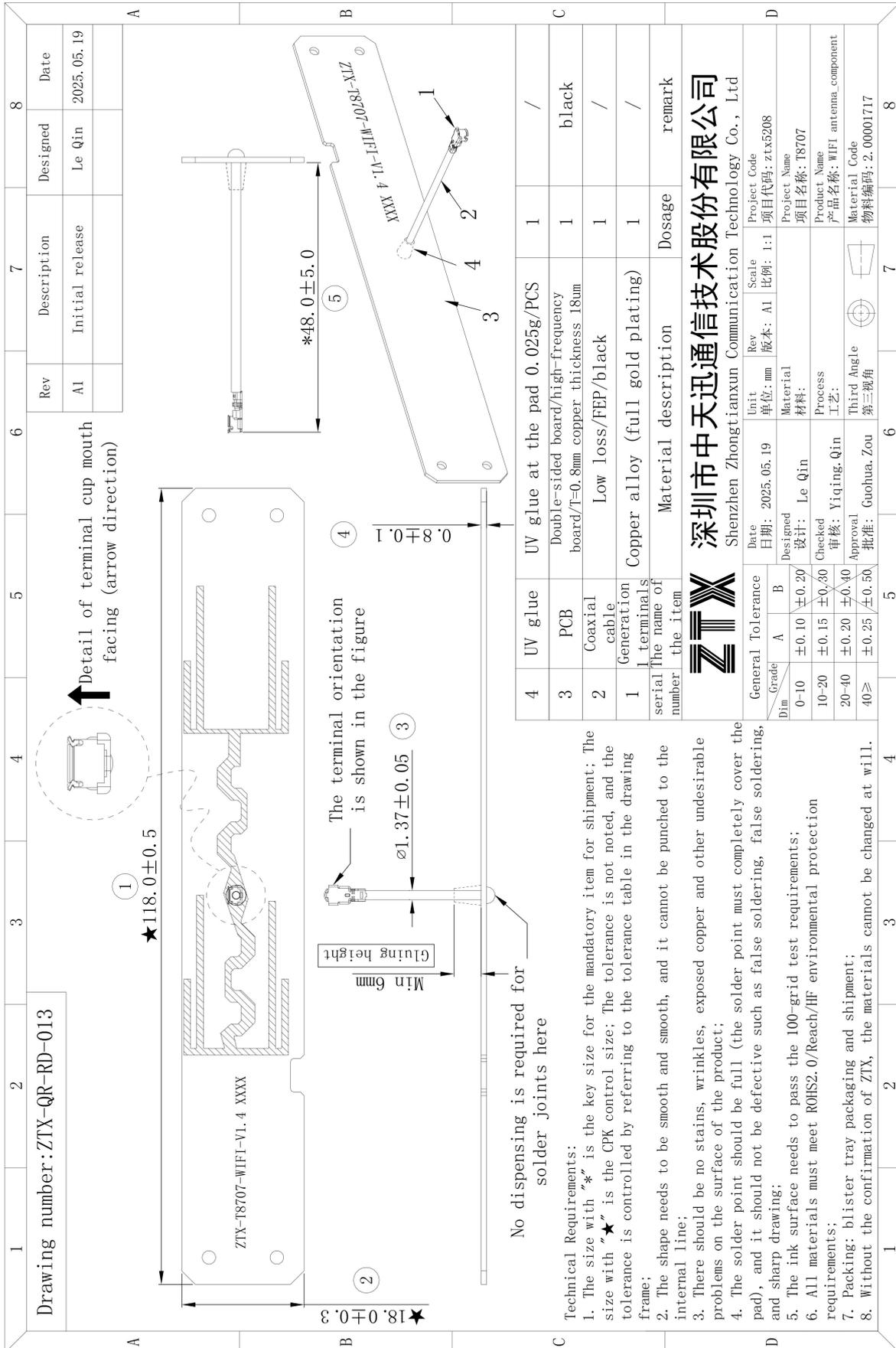
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## 1. Mechanical Specification

### 1-1 Mechanical Configuration (WIFI antenna assembly)



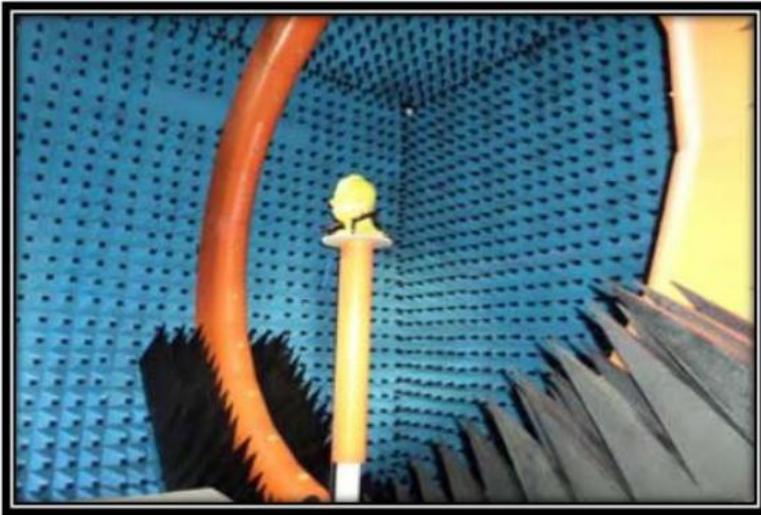
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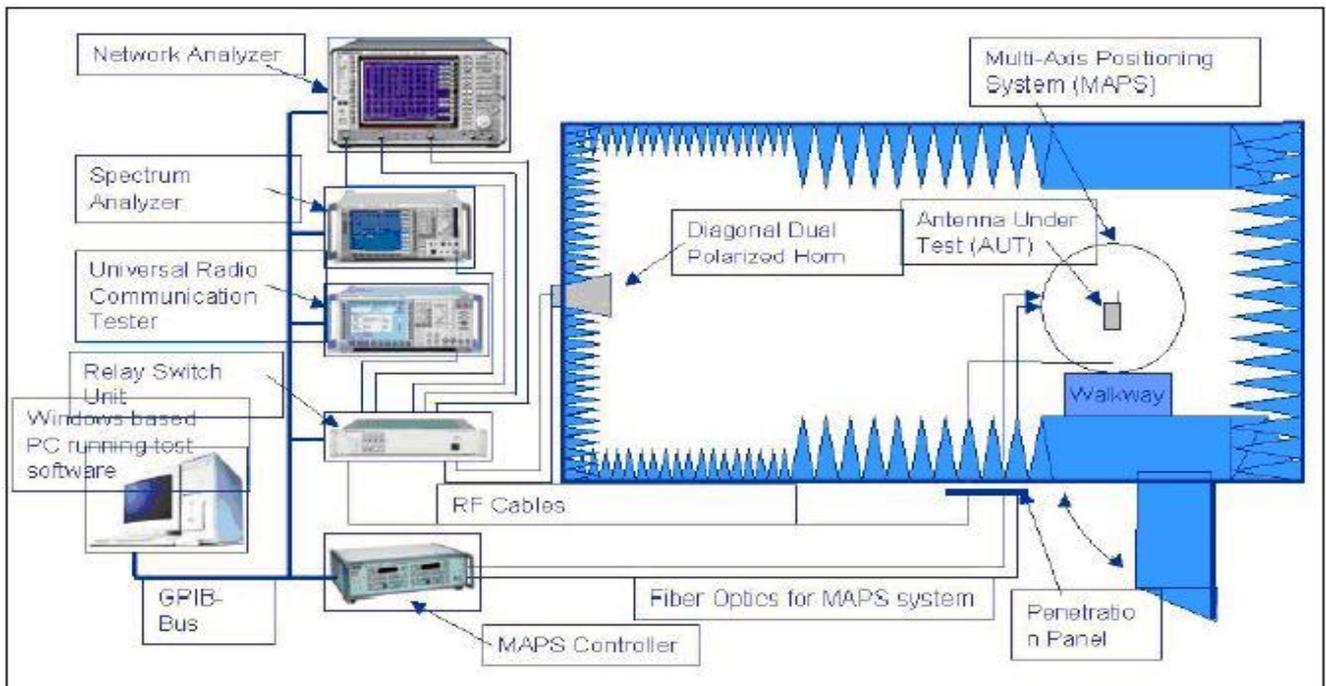
## 2. Test equipment



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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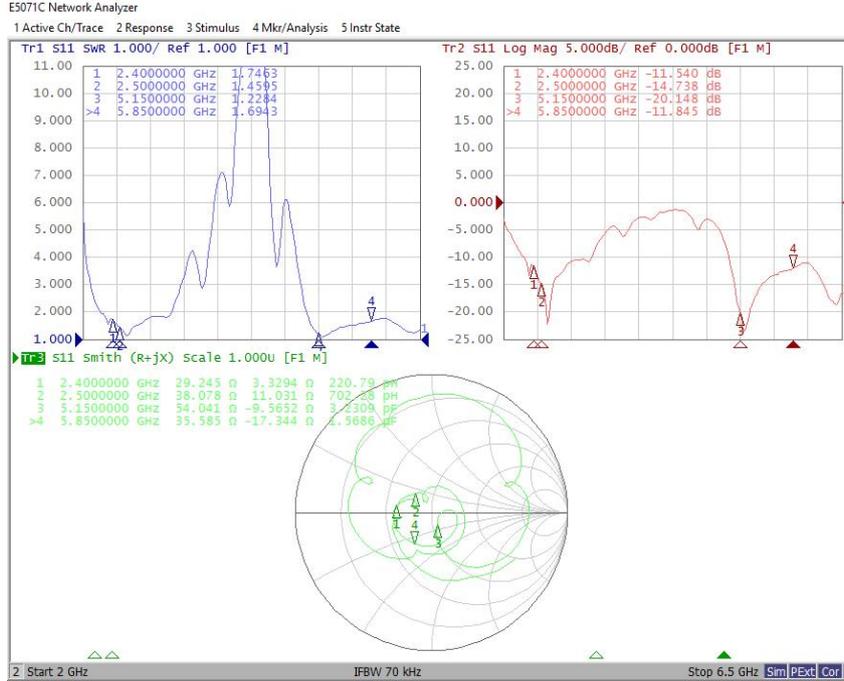
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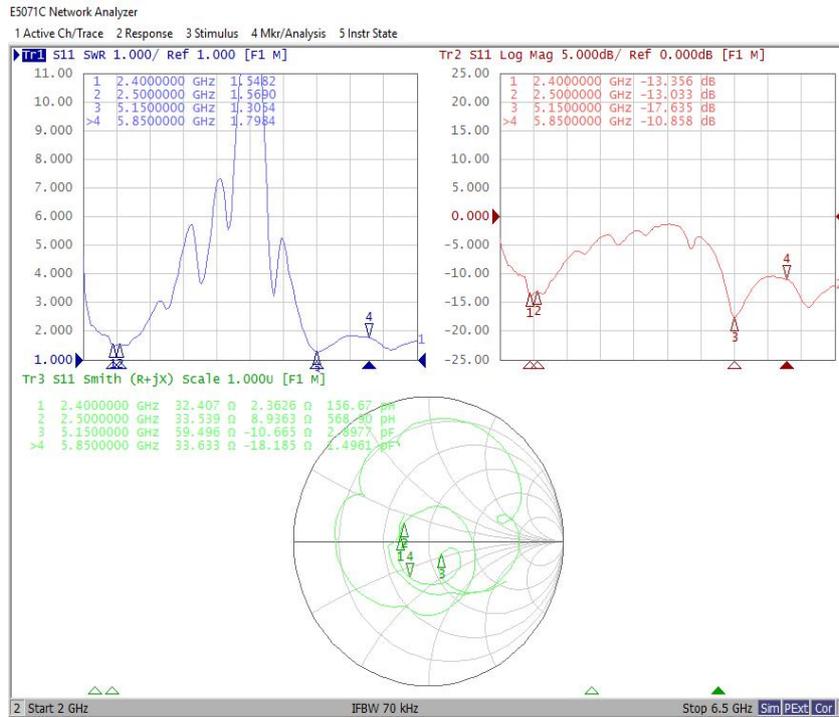
## 3.Test Results Summary

### 3-1 S11

#### WIFI1



#### WIFI2



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## 3-2 No-source test data

### WIFI1

Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dBi	Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dBi
2400	82%	-0.86	5.33	5150	76%	-1.18	6.90
2410	82%	-0.86	5.05	5200	77%	-1.12	7.27
2420	82%	-0.85	5.07	5250	78%	-1.08	7.73
2430	84%	-0.76	5.29	5300	80%	-0.99	7.71
2440	85%	-0.70	5.25	5350	74%	-1.29	7.72
2450	83%	-0.82	5.17	5400	78%	-1.07	8.07
2460	83%	-0.83	5.26	5450	77%	-1.11	8.13
2470	82%	-0.88	5.19	5500	78%	-1.06	8.33
2480	82%	-0.87	5.44	5550	76%	-1.17	8.28
2490	83%	-0.82	5.72	5600	74%	-1.29	8.23
2500	83%	-0.84	6.16	5650	77%	-1.15	8.31
				5700	73%	-1.37	8.03
				5750	74%	-1.32	8.10
				5800	75%	-1.22	8.00
				5850	79%	-1.03	8.07

### WIFI2

Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dBi	Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dBi
2400	82%	-0.84	5.87	5150	76%	-1.20	7.01
2410	83%	-0.83	5.97	5200	77%	-1.16	7.45
2420	83%	-0.79	6.06	5250	78%	-1.09	7.76
2430	86%	-0.64	6.20	5300	79%	-1.04	8.09
2440	88%	-0.55	6.26	5350	73%	-1.35	8.04
2450	86%	-0.63	6.10	5400	76%	-1.18	8.19
2460	85%	-0.68	5.94	5450	76%	-1.21	8.21
2470	87%	-0.61	5.95	5500	76%	-1.19	8.19
2480	86%	-0.66	5.81	5550	75%	-1.24	8.25
2490	86%	-0.67	5.58	5600	74%	-1.30	8.01
2500	86%	-0.66	5.71	5650	76%	-1.19	8.24
				5700	73%	-1.35	8.14
				5750	73%	-1.37	8.17
				5800	74%	-1.28	8.06
				5850	75%	-1.26	8.02

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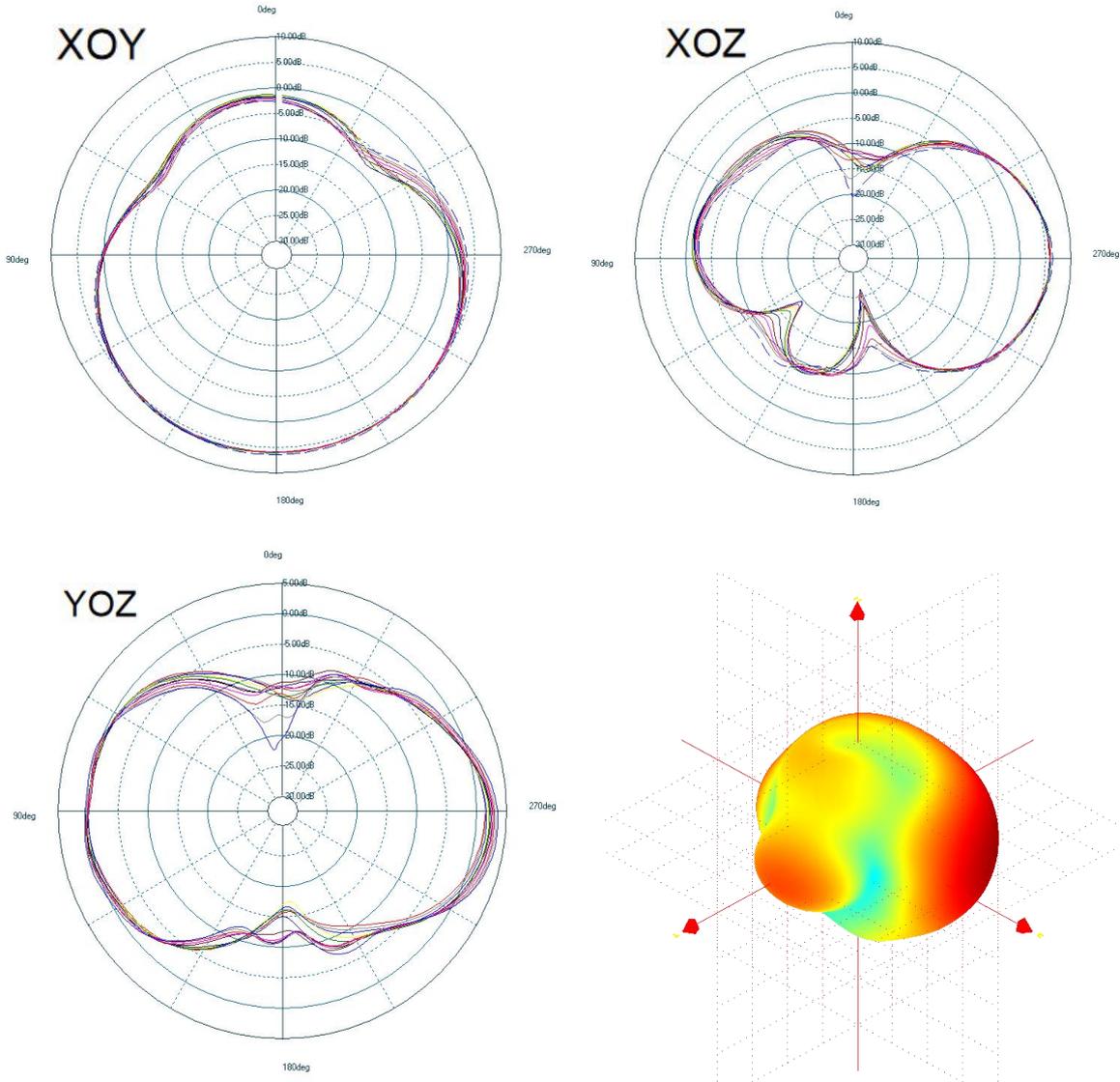
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## 3-3 2D/3D Radiation Pattern Results

WIFI1:2.4G direction diagram



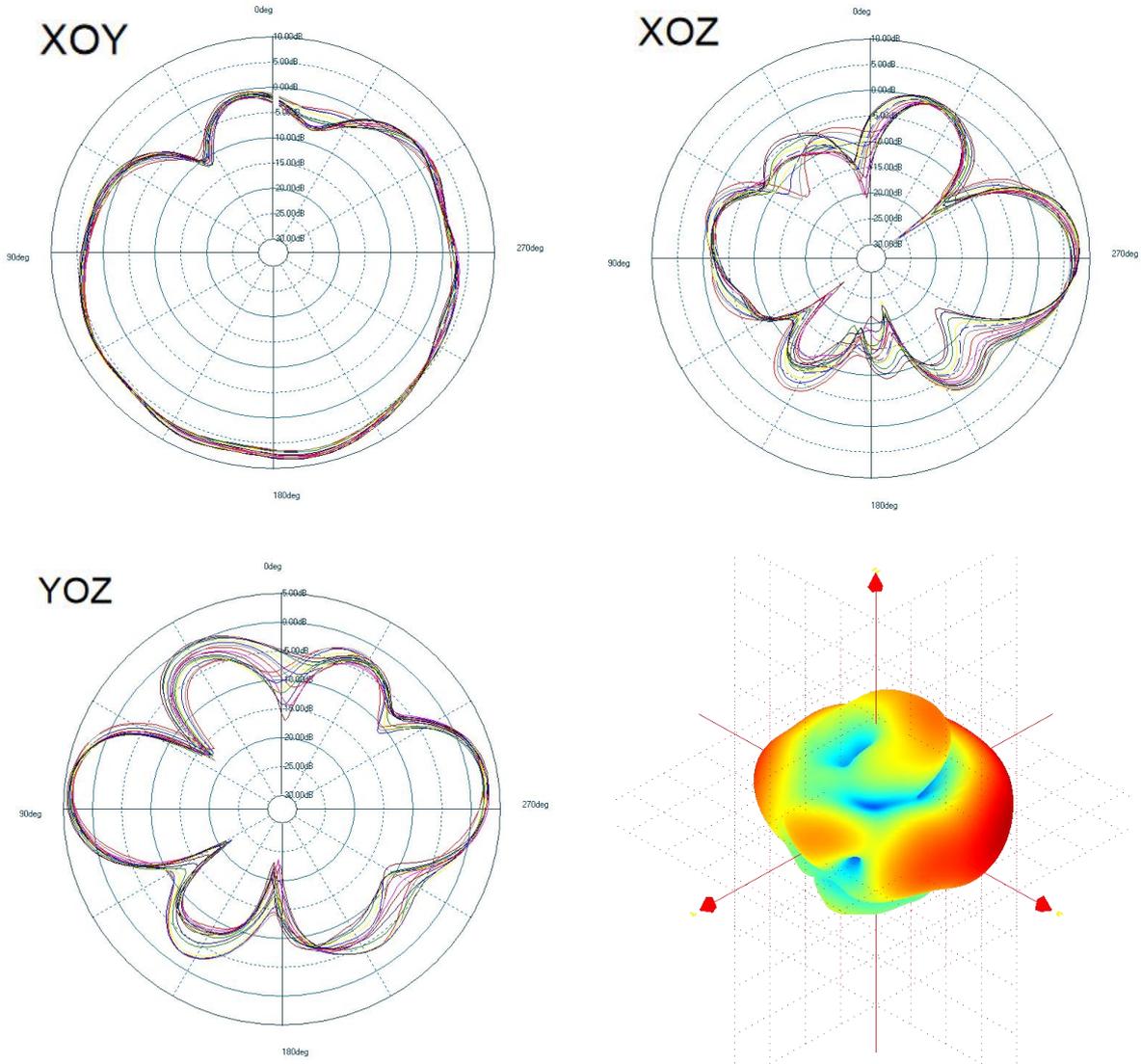
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WIFI1:5G direction diagram



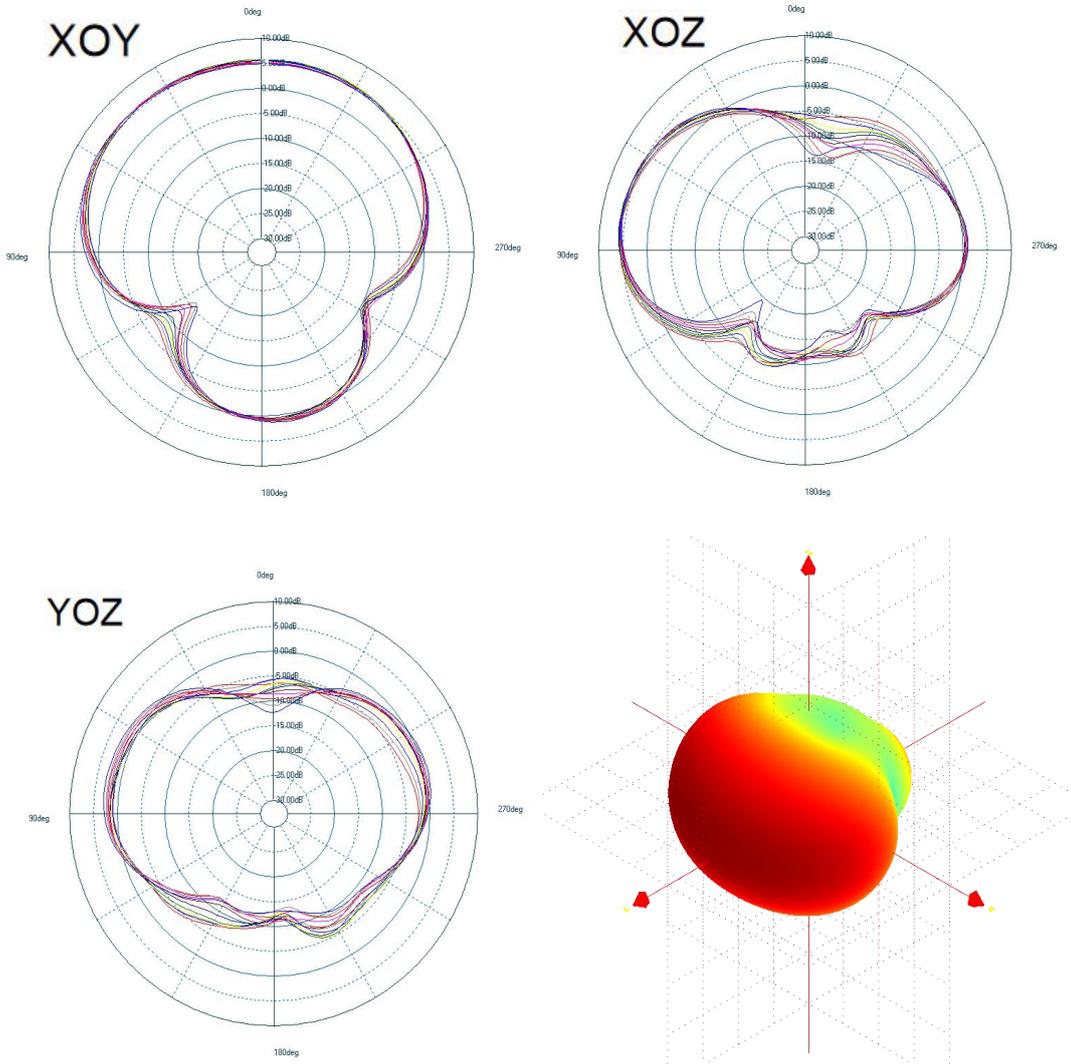
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WIFI2:2.4Gdirection diagram



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WIFI2: 5G direction diagram

