

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Anker	
	CS P/N	D2425	
	PART NAME	WIFI1 Antenna components	
	FREQUENCY	2400~2500/5150~5850MHz	
	ZTX NO.	2.00006214(0224010021438)	
	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	



Shenzhen ZTX Communication Technology Co., Ltd

Address: No.34, Shilong Avenue, Shiyan Town, Baoan District, Shenzhen, (Tengda Industrial Park) 518000

Tel.: 0755-27588320 Fax: 0755-27588045 <http://www.chinaztx.com>

ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 1 of 9

Revision history

Edition	Date	state
A0	2025-01-15	First edition

ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 2 of 9

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification(WIFI1 Antenna components)	3
2		Test equipment	4
3		Test Results Summary	5
	3-1	VSWR	5
	3-2	No-source test data	5
	3-3	2D/3D Radiation Pattern Results	6~7
	3-4	WIFI 1 and WIFI 2 horizontal orientation map synthesis Fig	8
	3-5	Isolation test	8~9
	3-6	Environmental treatment	9

ANTENNA SPECIFICATION

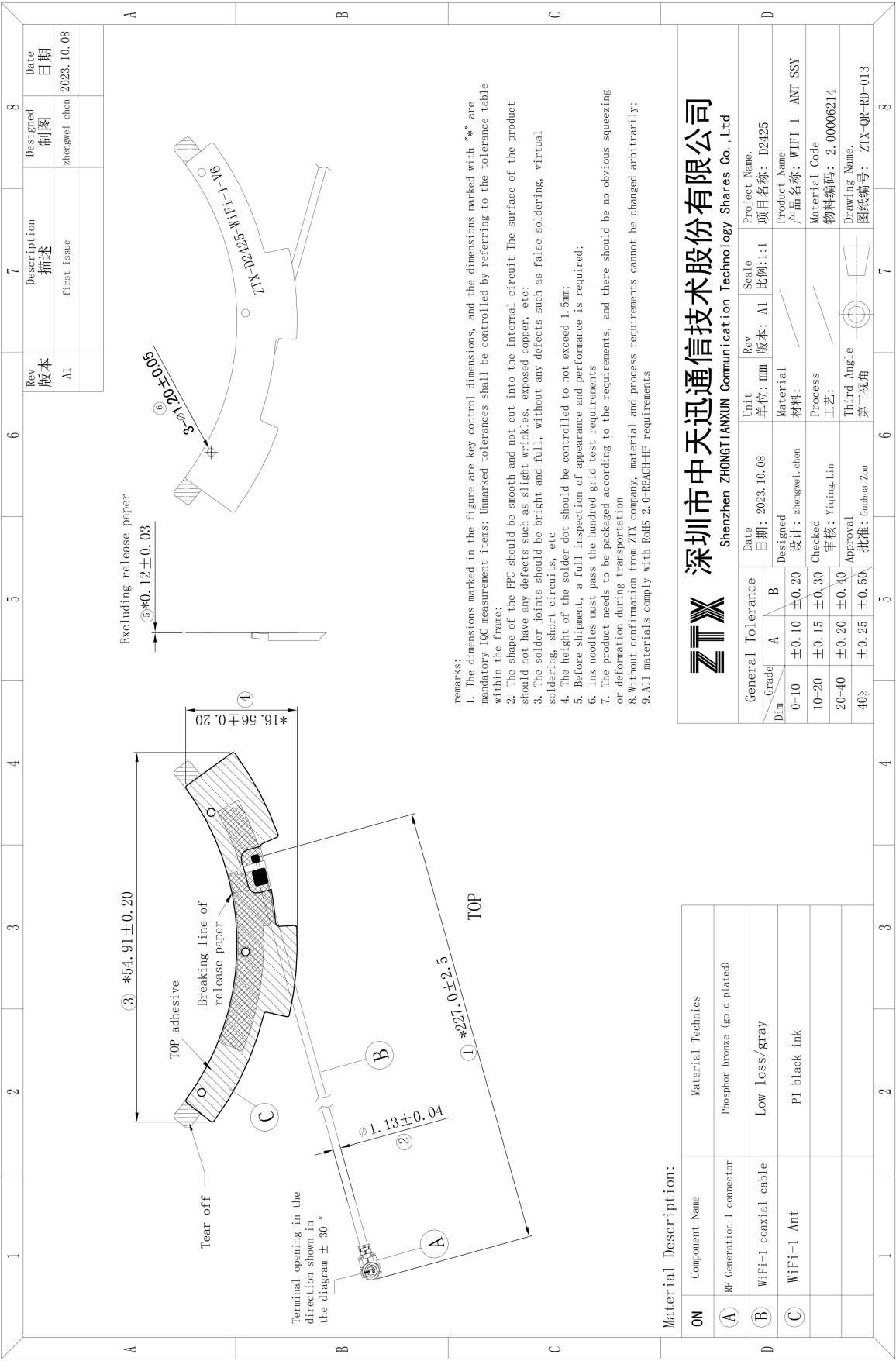
CUS P/N:D2425_WIFI1 Antenna components
ZTX P/N :D2425_WIFI1 Antenna components

Application Date:Jan,15,2025
Editor:

Rev: R:A0
Page 3 of 9

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI1 Antenna components)



ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

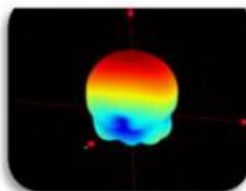
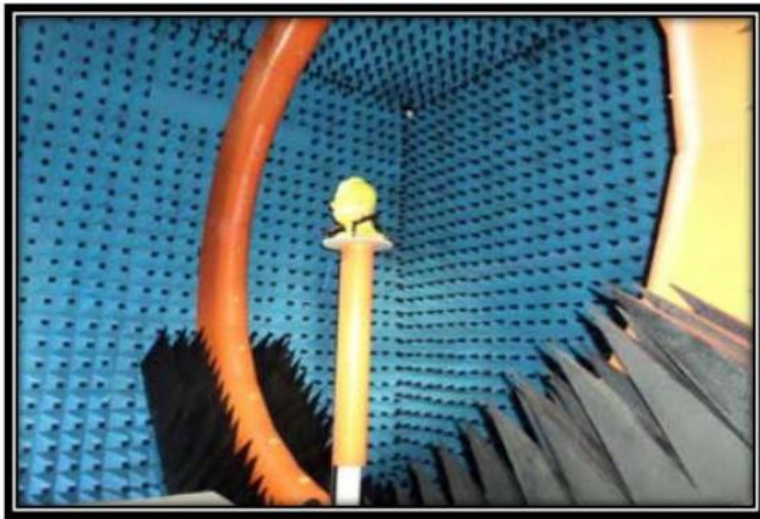
Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 4 of 9

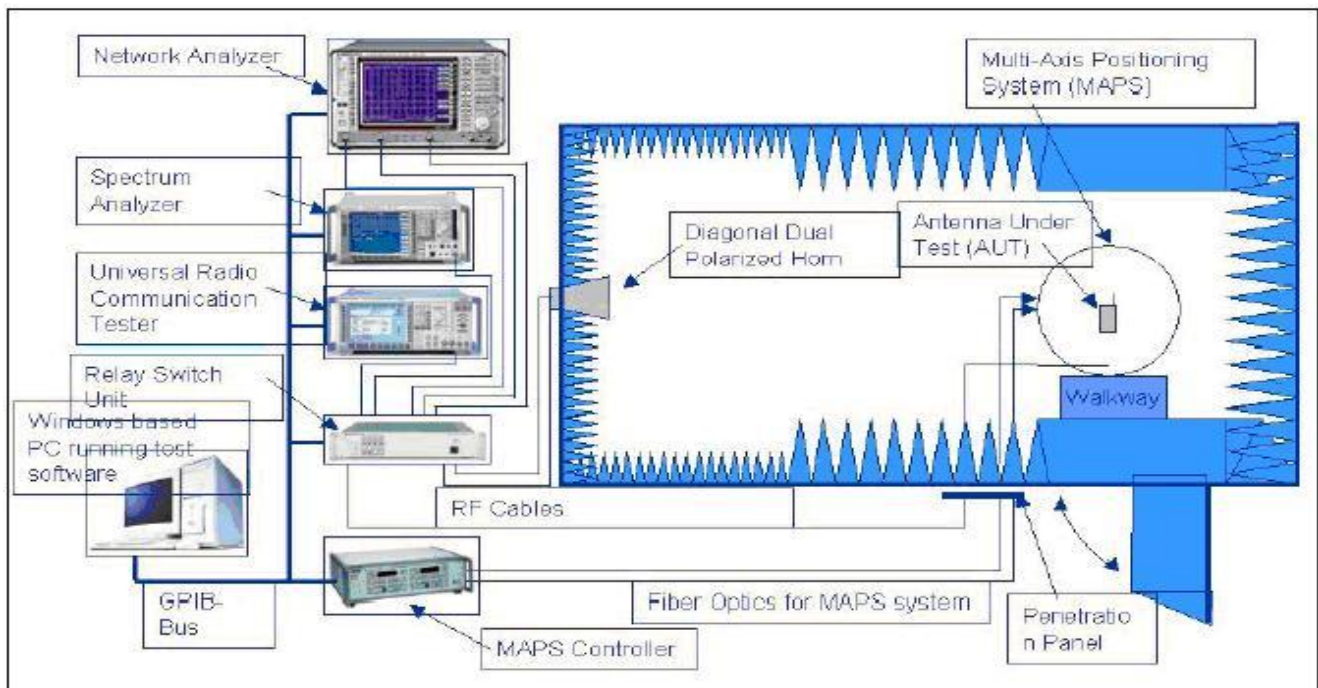
2. Test equipment



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.



ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

Rev: R:A0

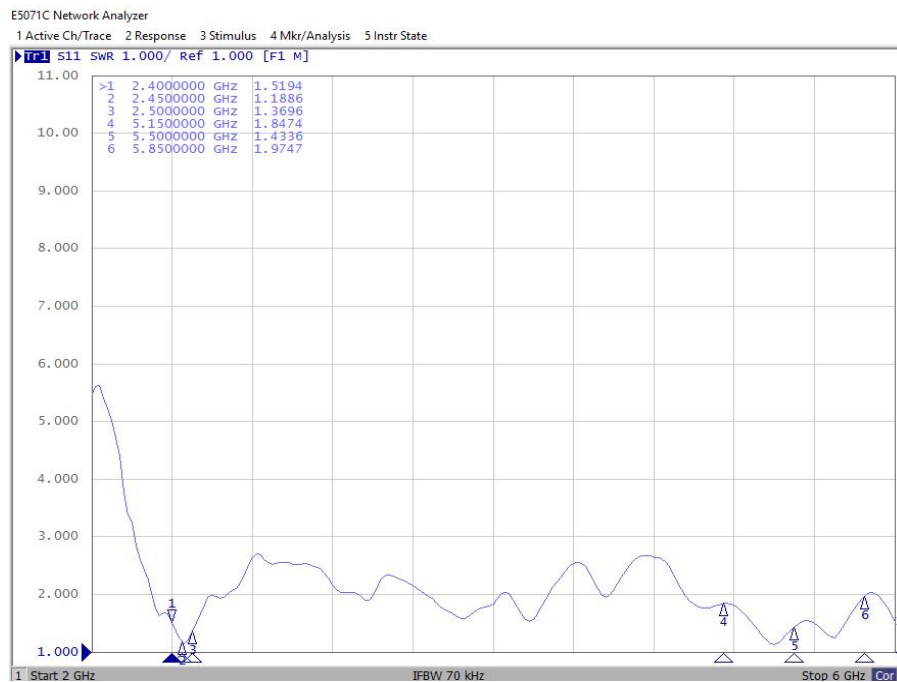
ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 5 of 9

3.Test Results Surmmary

3-1 VSWR



3-2 No-source test data

Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	45%	-3.43	2.41
2410	45%	-3.50	2.52
2420	46%	-3.33	2.63
2430	44%	-3.52	2.59
2440	47%	-3.28	2.76
2450	46%	-3.41	2.79
2460	47%	-3.29	2.41
2470	44%	-3.55	2.45
2480	44%	-3.61	2.54
2490	46%	-3.42	2.59
2500	45%	-3.46	2.36
5150	43%	-3.68	4.08
5200	41%	-3.86	4.15
5250	41%	-3.92	3.87
5300	42%	-3.77	4.06
5350	44%	-3.61	4.73
5400	41%	-3.91	4.59
5450	43%	-3.71	4.15
5500	40%	-4.00	3.58
5550	43%	-3.70	4.17
5600	42%	-3.73	3.97
5650	45%	-3.51	4.32
5700	44%	-3.59	4.39
5750	43%	-3.66	4.89
5800	42%	-3.77	4.61
5850	42%	-3.82	4.78

ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

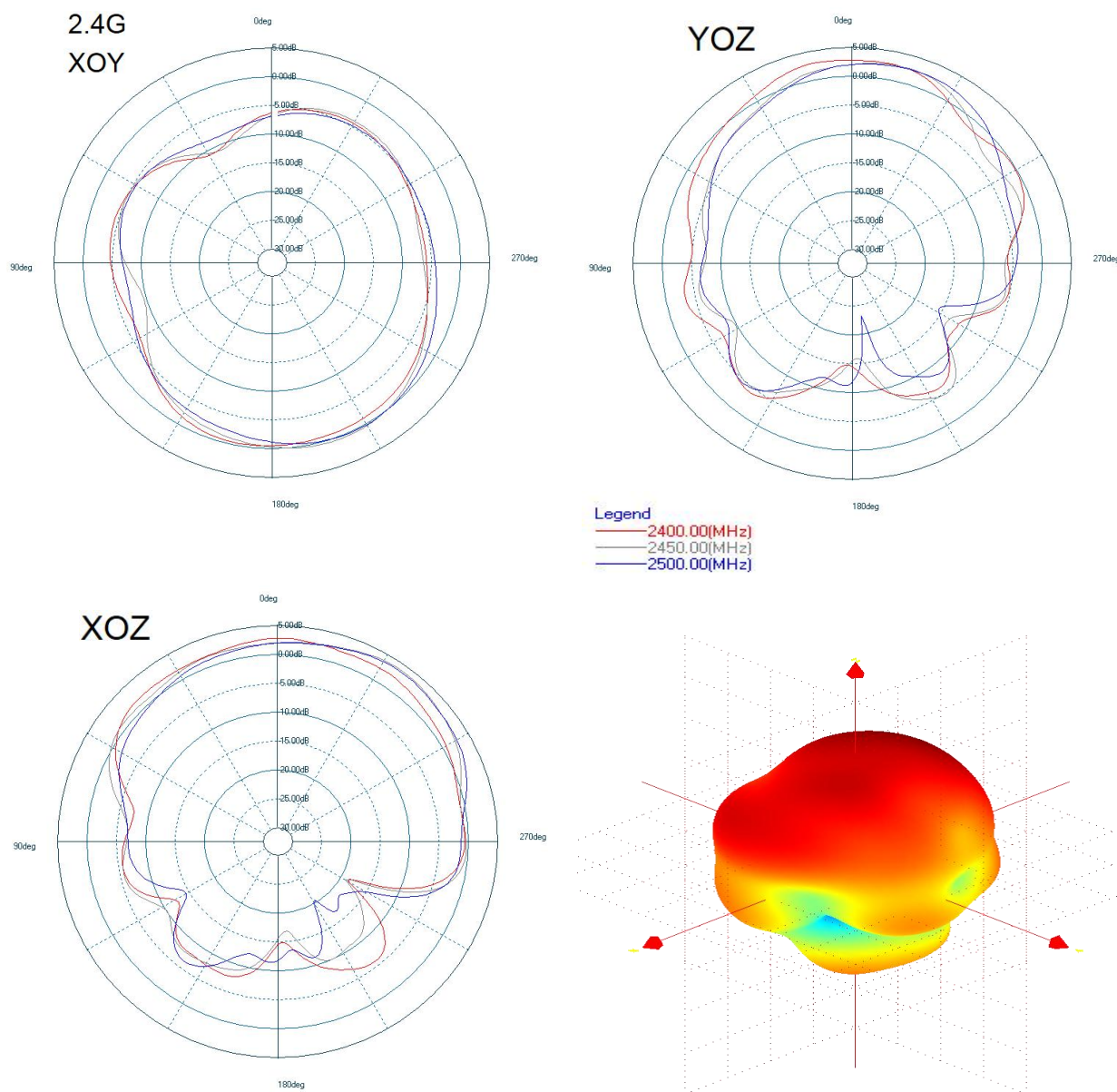
Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 6 of 9

3-3 2D/3D Radiation Pattern Results



ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

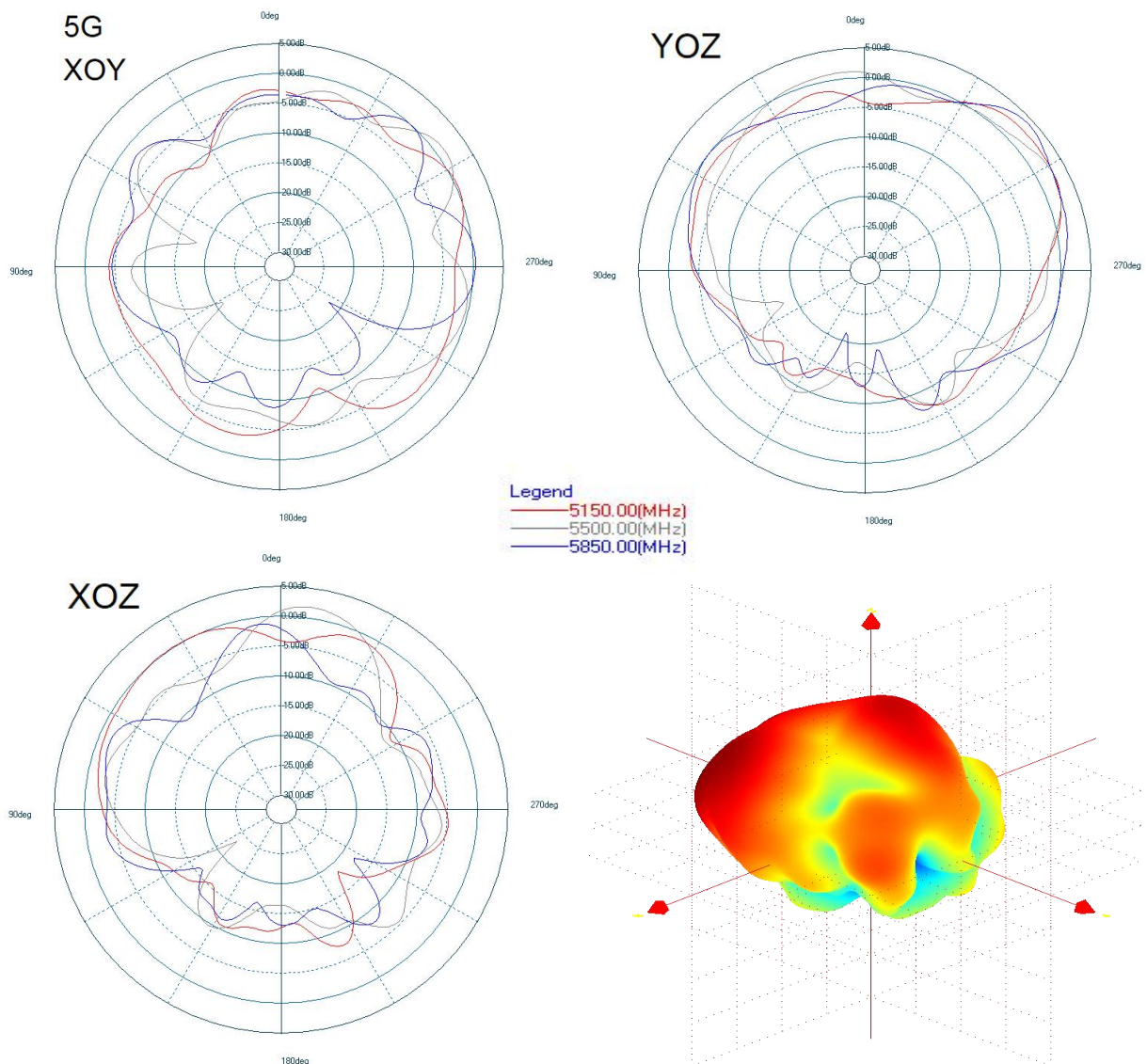
Application Date:Jan,15,2025

Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 7 of 9



ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

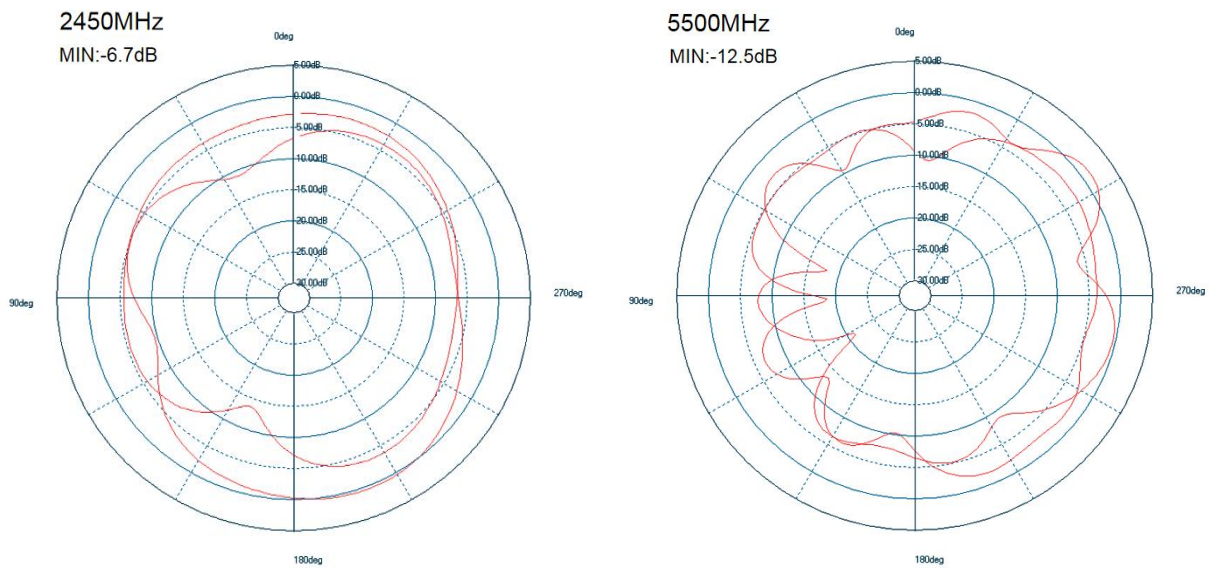
Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

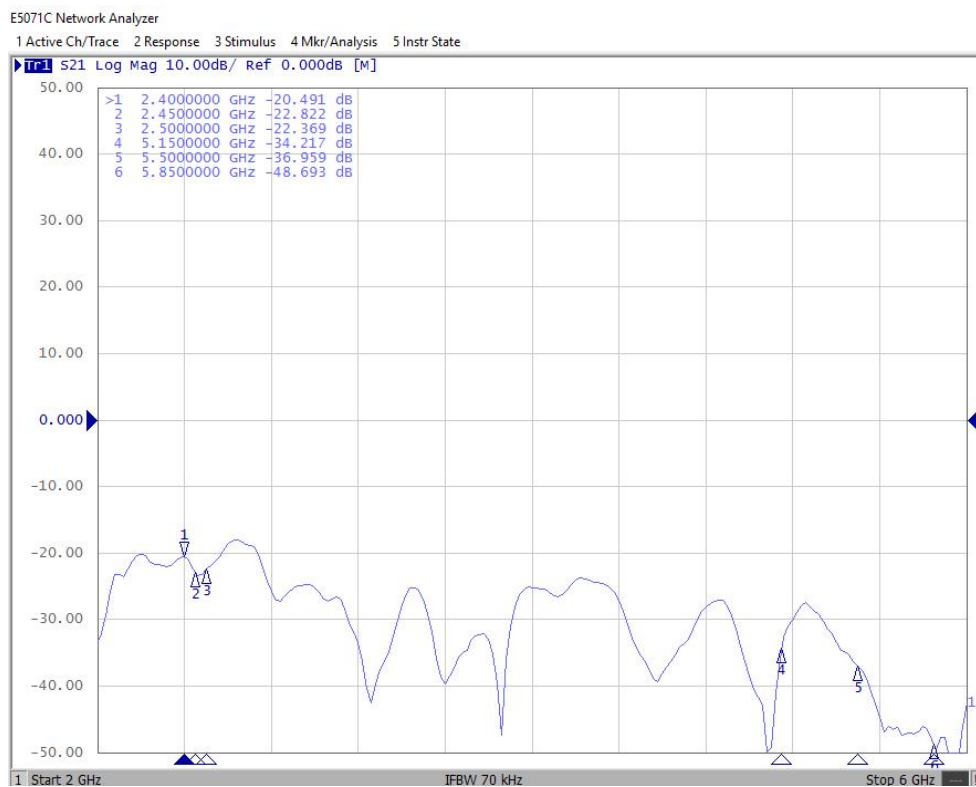
Page 8 of 9

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



3-5 Isolation test

WIFI 1&WIFI 2



ANTENNA SPECIFICATION

CUS P/N:D2425_WIFI1 Antenna components

Application Date:Jan,15,2025

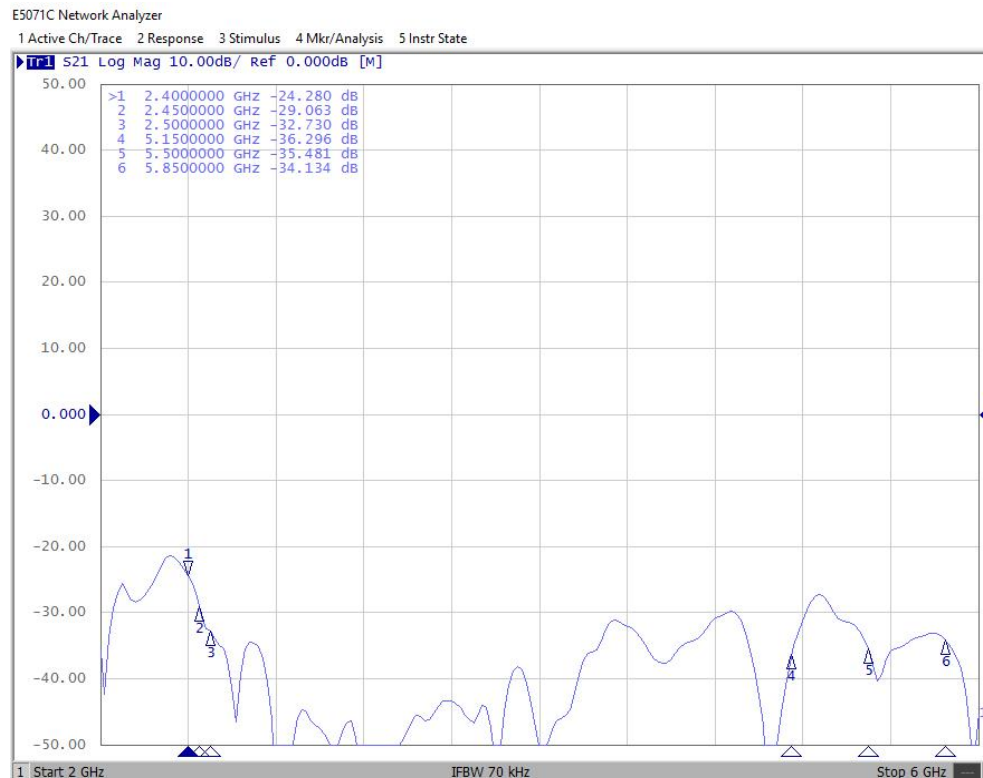
Rev: R:A0

ZTX P/N :D2425_WIFI1 Antenna components

Editor:

Page 9 of 9

WIFI 1&BT



3-6 Environment treatment

