

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	DR-HCF001S 52-inch ceiling fan	
	PART NAME	WIFI Antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00006474	
	DATE	2024-02-22	

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
		Youjie Ke	Pei Wang	



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ANTENNA SPECIFICATION

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Revision history

Edition	Date	state
A0	2024-02-22	First edition

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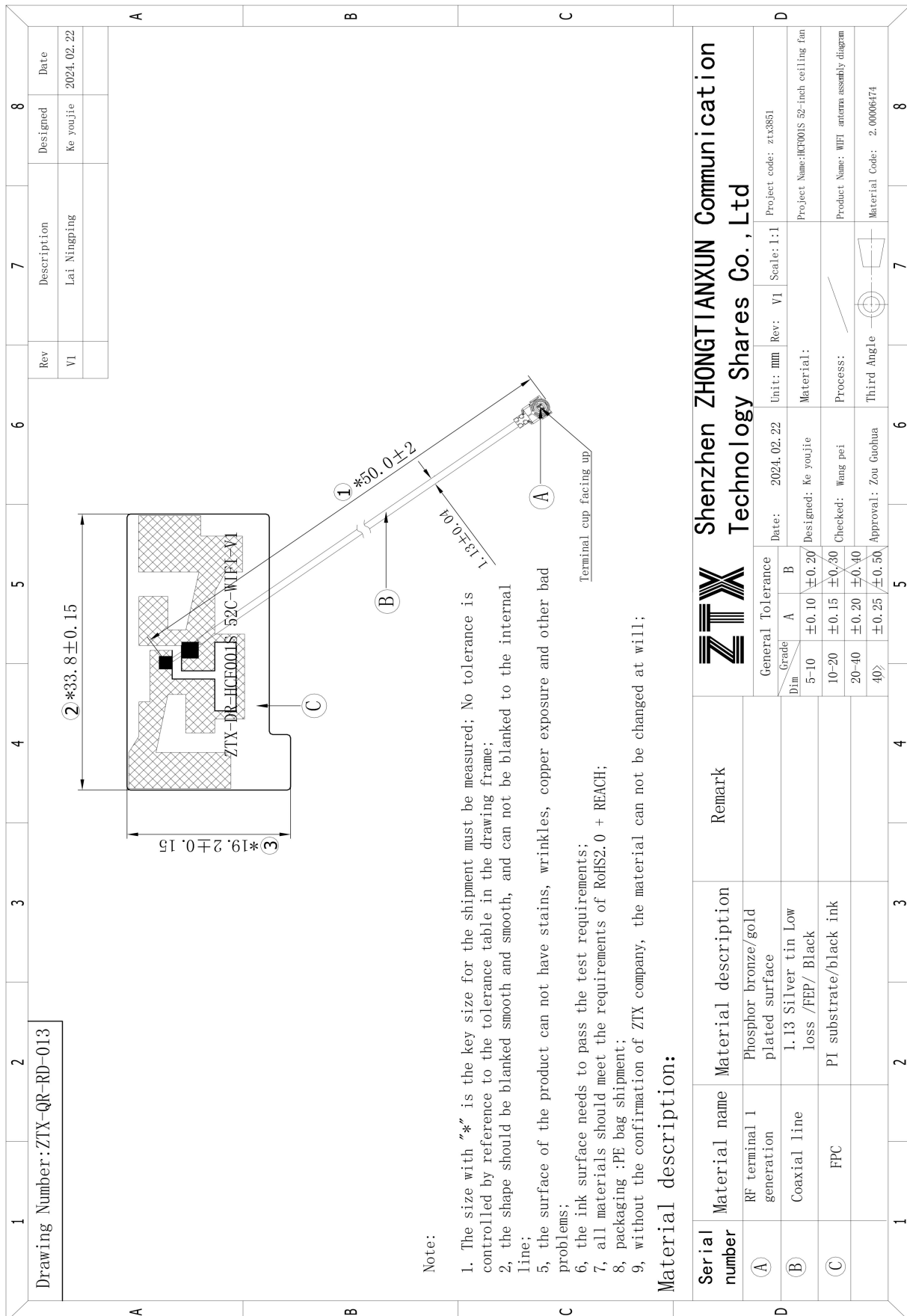
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI Antenna)



ANTENNA SPECIFICATION

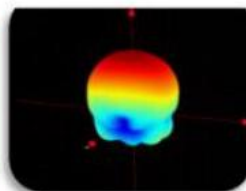
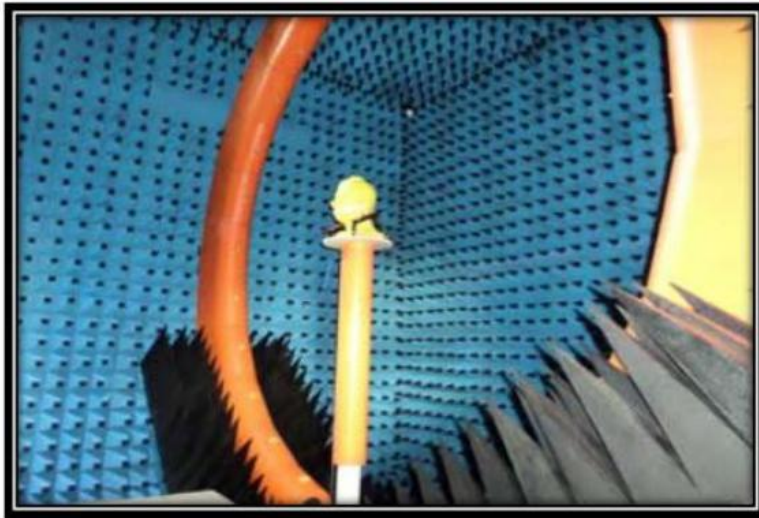
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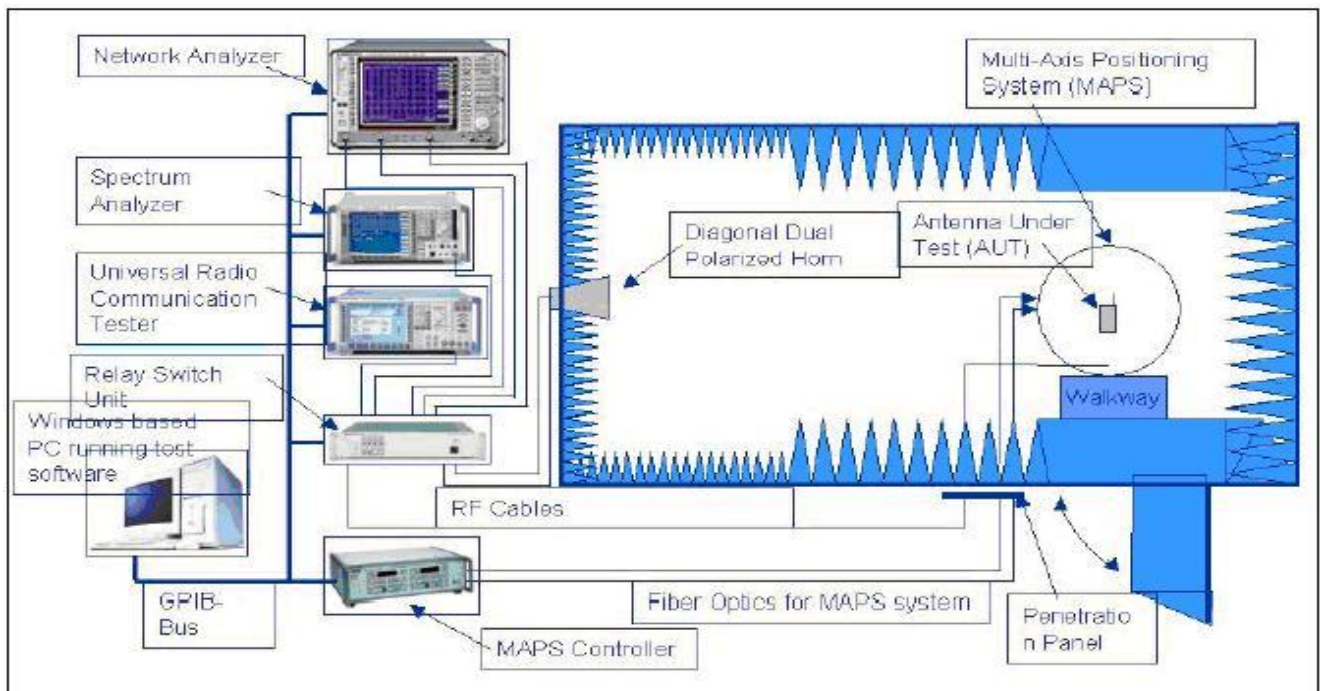
2. Test equipment



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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3.Test Results Summary

3-1 Active Test

	B		G		N	
Channels	TRP	TIS	TRP	TIS	TRP	TIS
1	16.18	-81.42	13.19	-69.62	12.41	-66.13
6	15.63	-82.15	13.23	-69.7	12.65	-66
11	15.7	-81.76	13.17	-69.21	12.35	-66.08

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400MHz	63%	-2.03	4.54
2410MHz	62%	-2.07	4.66
2420MHz	66%	-1.78	4.86
2430MHz	64%	-1.93	4.85
2440MHz	65%	-1.88	5.18
2450MHz	65%	-1.88	5.25
2460MHz	64%	-1.94	5.06
2470MHz	64%	-1.93	4.70
2480MHz	60%	-2.19	4.96
2490MHz	61%	-2.15	4.97
2500MHz	60%	-2.19	4.98

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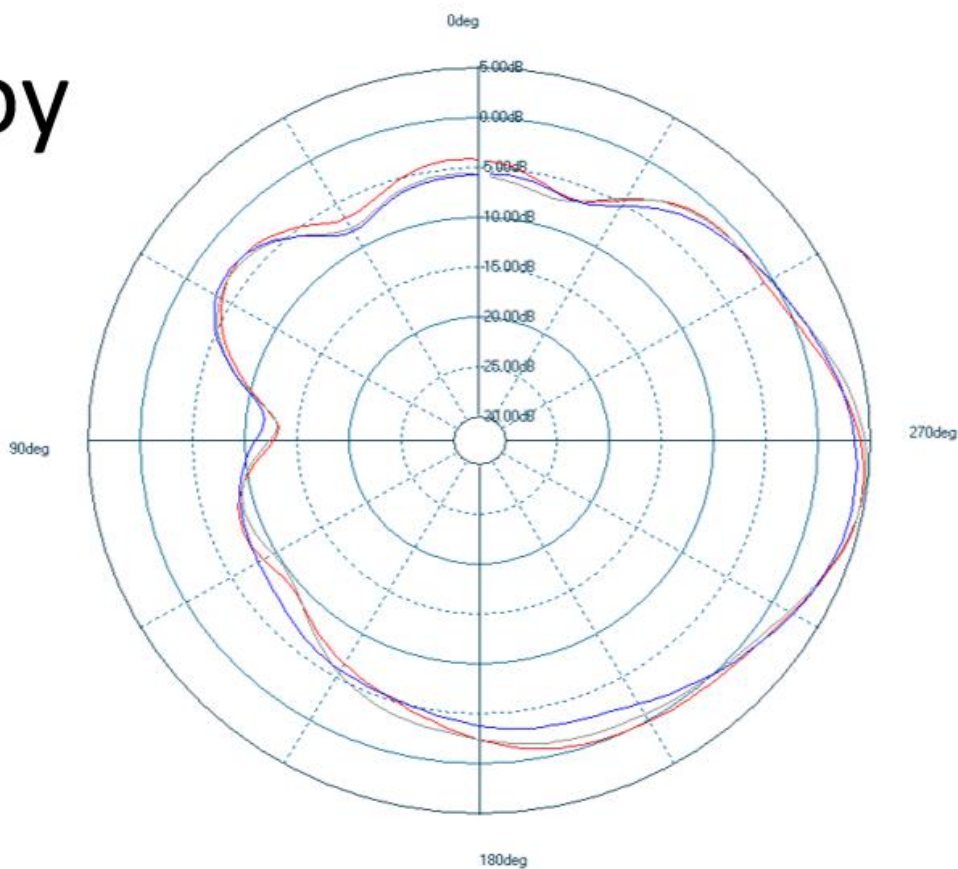
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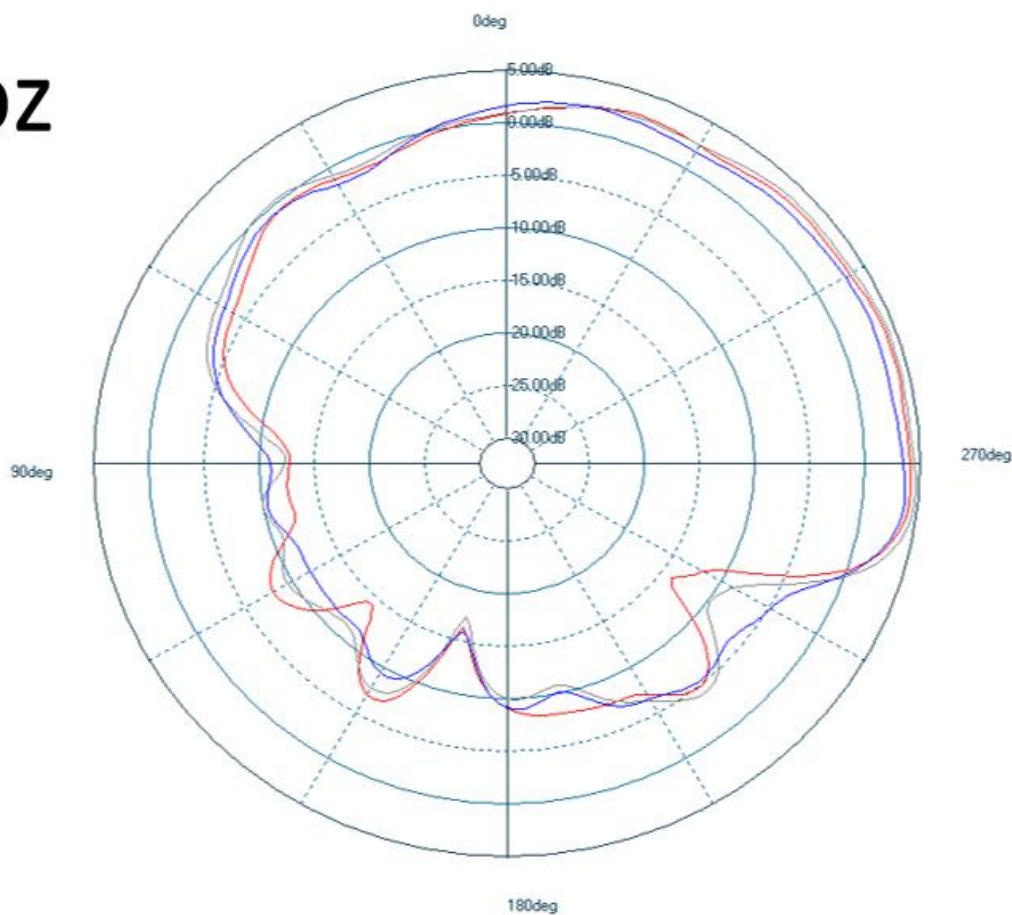
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3-4 2D/3D Radiation Pattern Results

xoy



yoz



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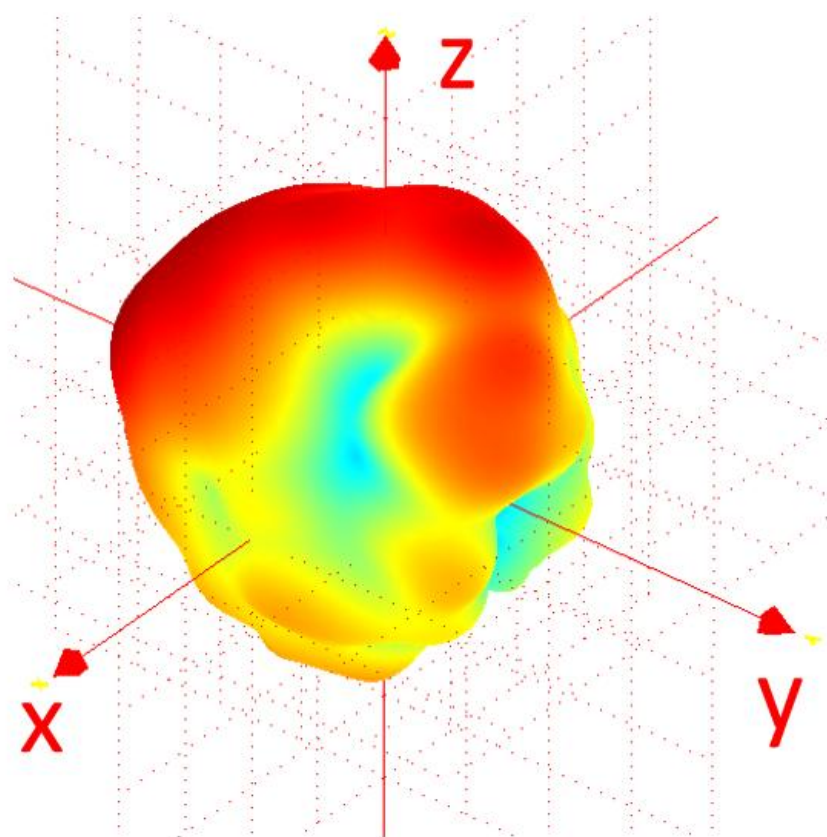
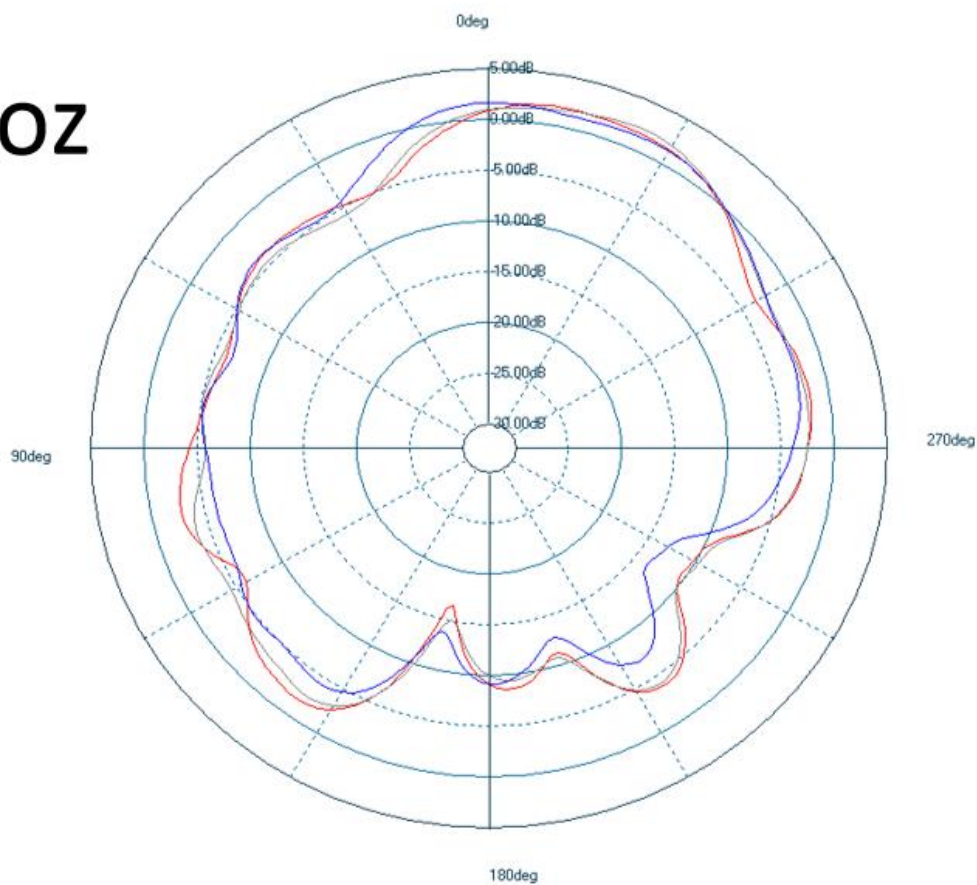
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XOZ



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3-5 Environmental treatment

WIFI antenna position

