

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung	
	CS P/N		
	TEST MODEL	DR-HHM007S	
	PART NAME	WIFI antenna module	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00001394	
	DATE	2024-08-05	

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
		柯友杰	江博厚	



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Revision history

versions	DATE	STATE
A0	2024-08-05	first edition

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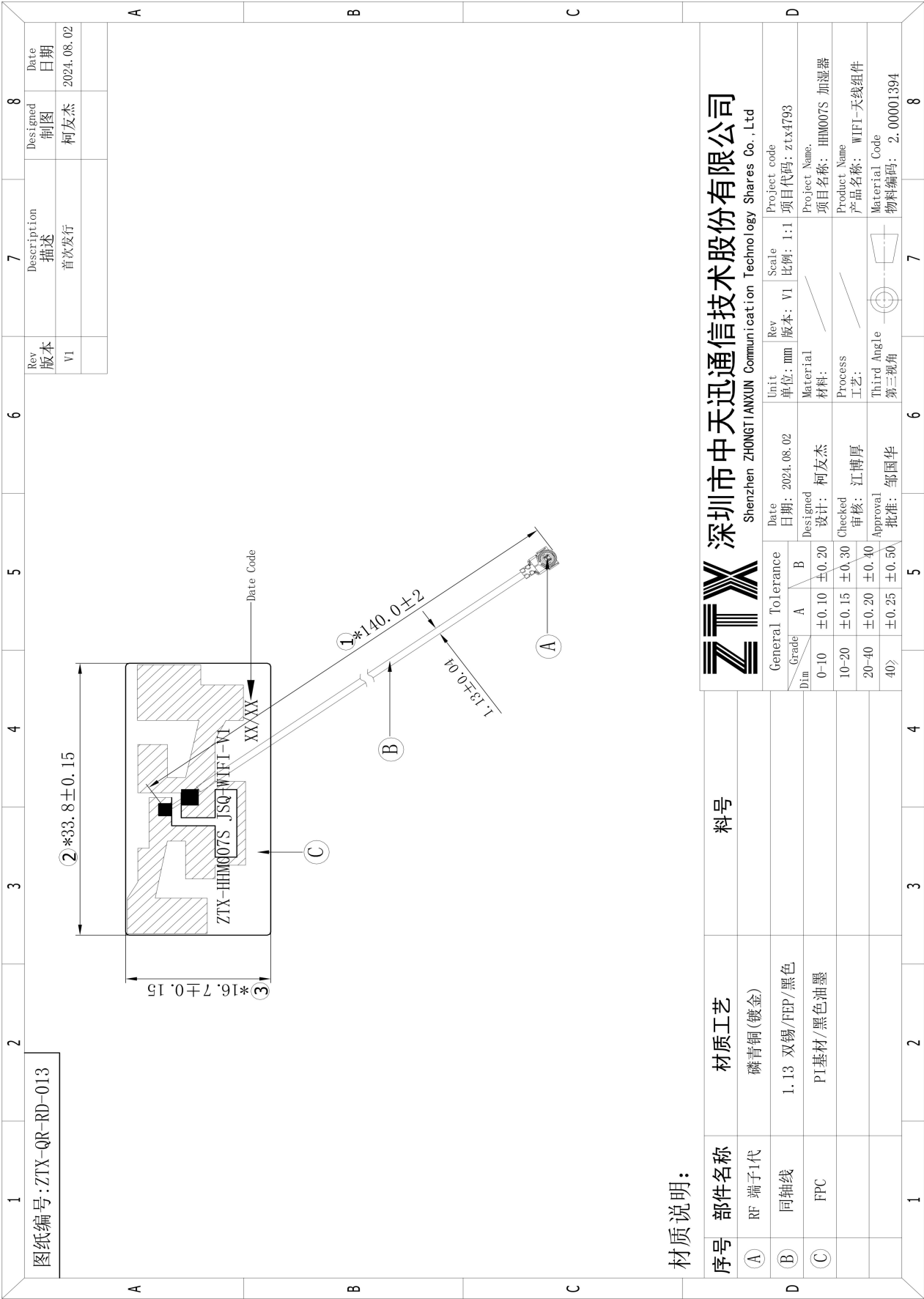
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1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna module)



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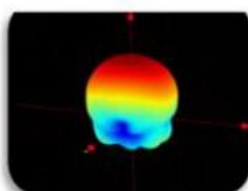
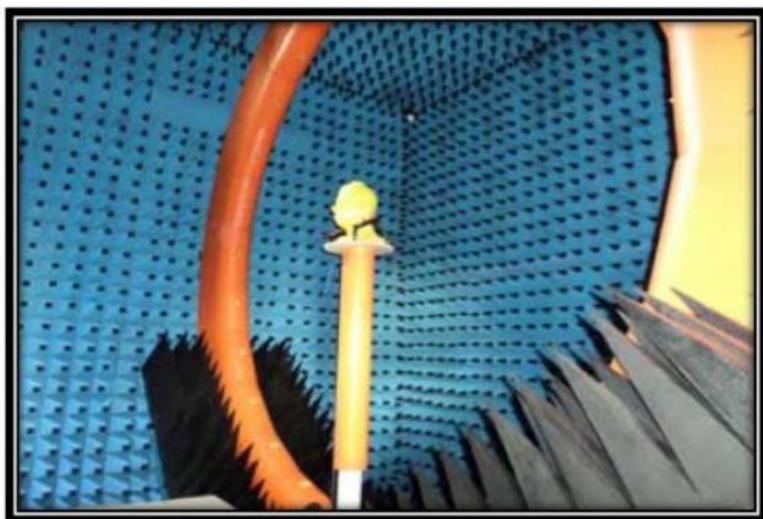
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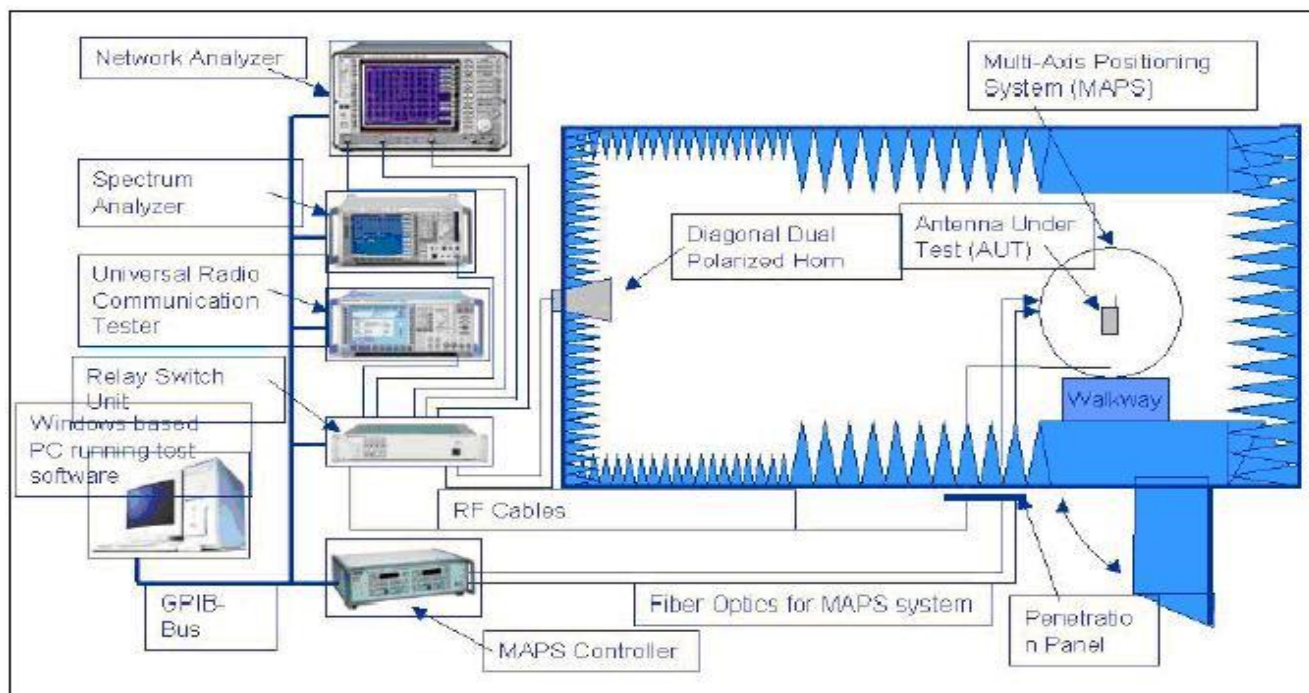
2. Test equipment



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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3.Test Results Summary 3-1 Active Test

50% of the water is turned on a gear humidification function			
Mode	Channels	TRP	TIS
B (11M/11M)	1	16.88	-84.83
	6	16.33	-84.75
	11	16.58	-83.87
G (6M/54M)	1	15.81	-71.07
	6	14.75	-70.43
	11	15.13	-69.68
N (MCS0/MCS7)	1	15.63	-66.26
	6	14.83	-65.91
	11	15.04	-64.90

90% of the water is turned on a gear humidification function			
Mode	Channels	TRP	TIS
B (11M/11M)	1	16.07	-84.36
	6	15.40	-83.90
	11	15.98	-83.35
G (6M/54M)	1	14.81	-70.52
	6	13.85	-70.03
	11	14.30	-69.11
N (MCS0/MCS7)	1	14.66	-65.77
	6	13.87	-65.29
	11	14.39	-64.82

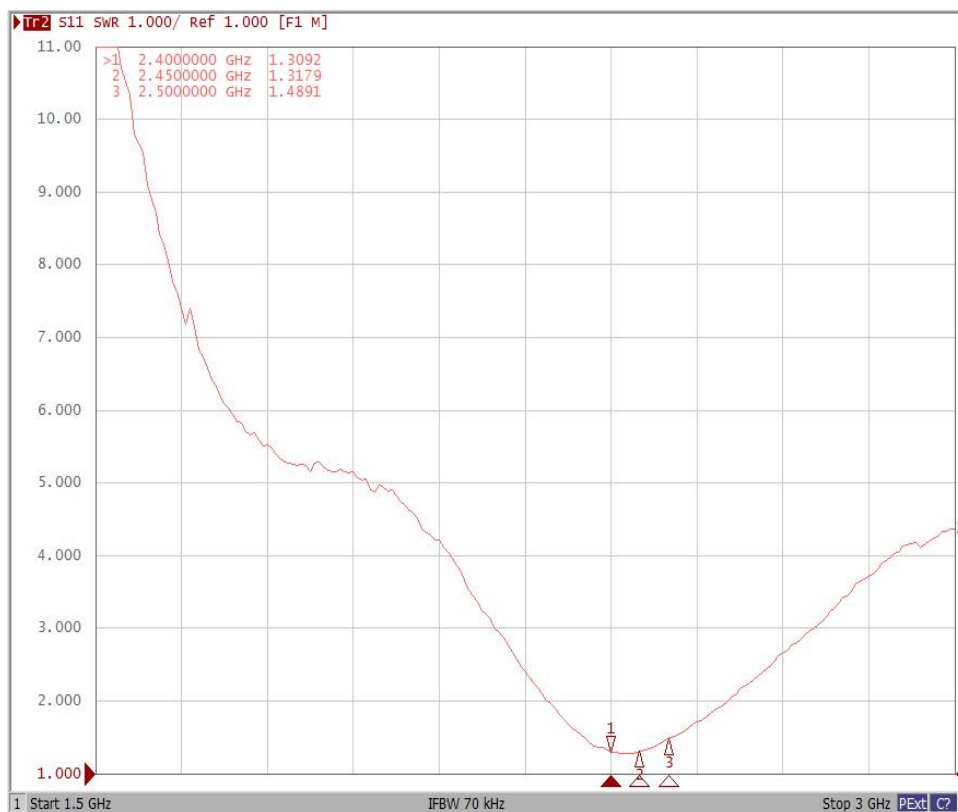
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3-2 VSWR



3-3 No-source test data

Frequency	Efficiency	Gain . dB
2400MHz	61%	3.92
2410MHz	60%	3.90
2420MHz	61%	3.78
2430MHz	62%	3.56
2440MHz	62%	3.31
2450MHz	61%	3.03
2460MHz	61%	2.94
2470MHz	61%	2.85
2480MHz	60%	2.56
2490MHz	61%	2.49
2500MHz	60%	2.53

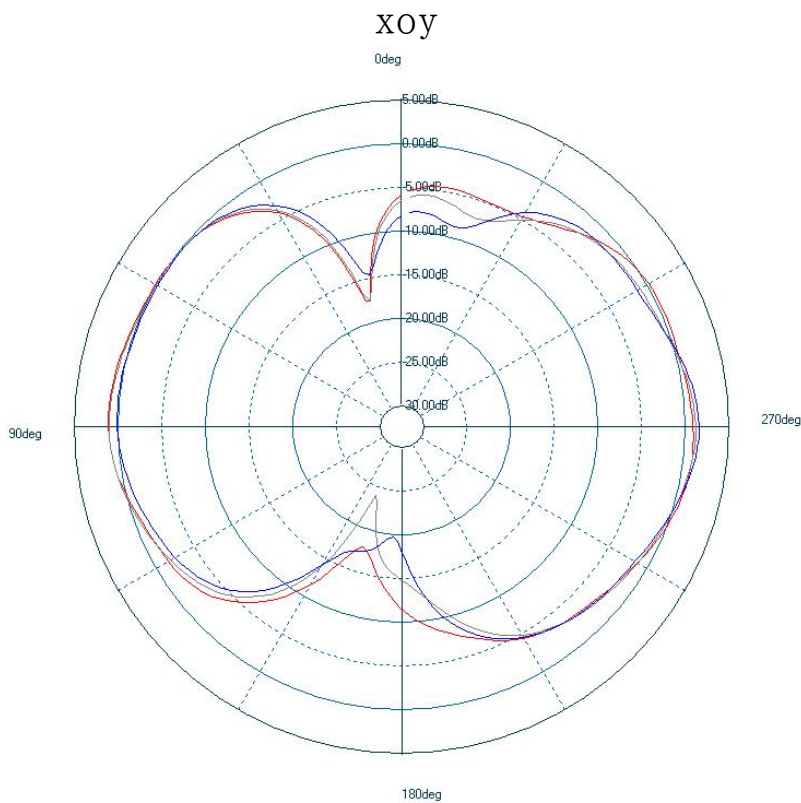
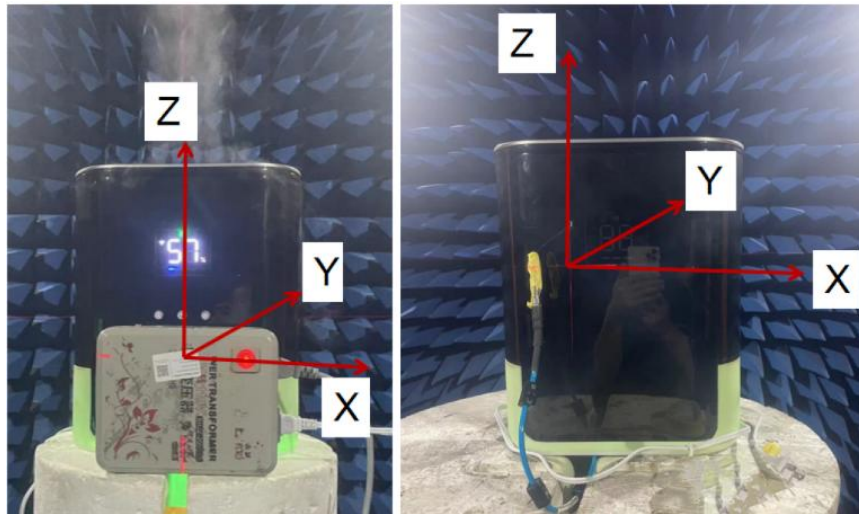
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3-4 2D/3D Radiation Pattern Results

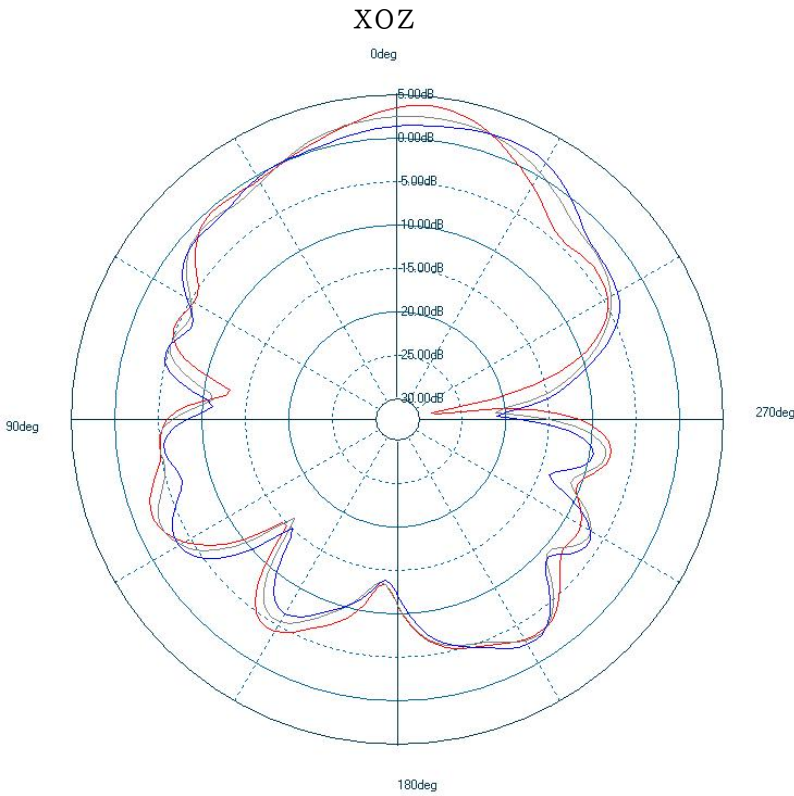
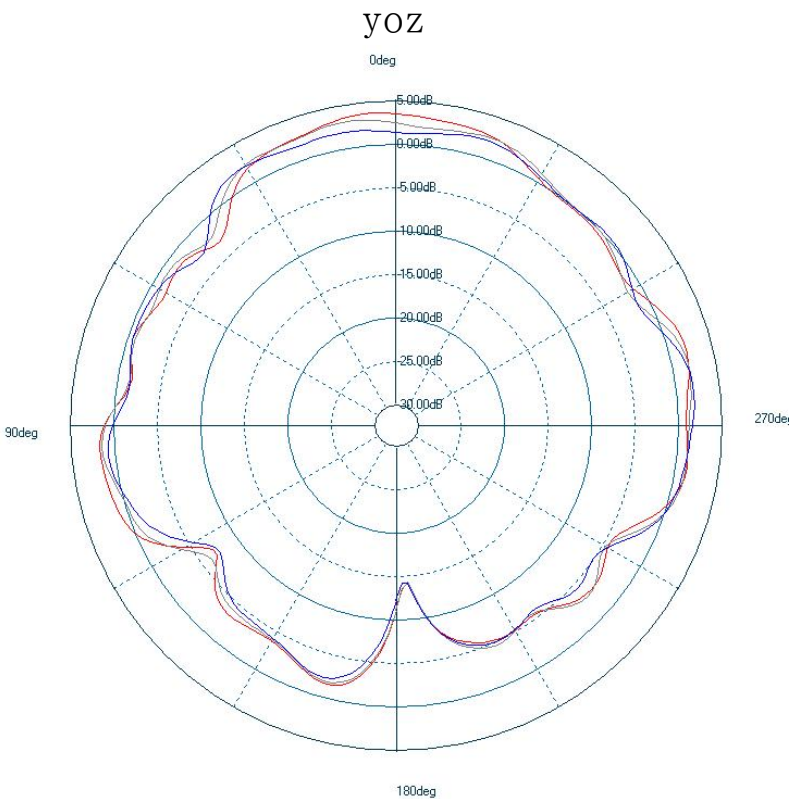


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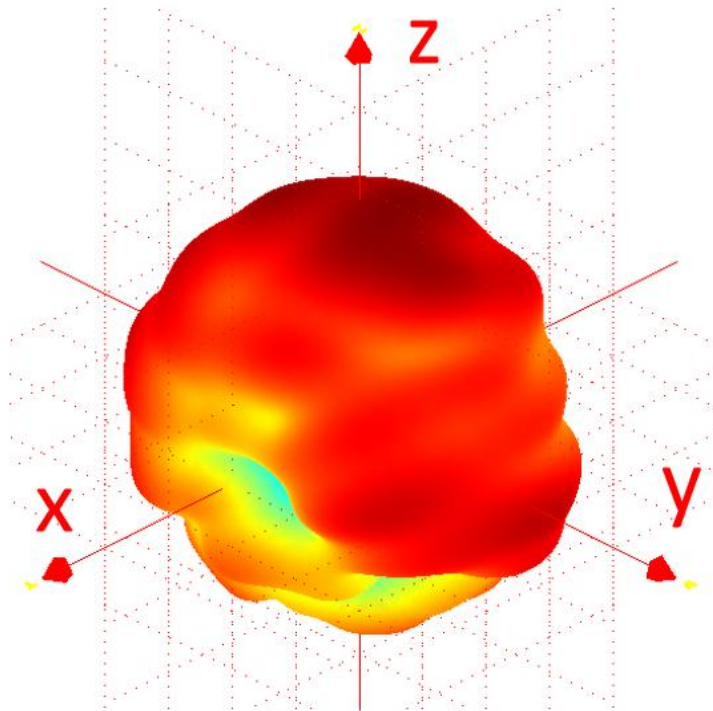


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3-5 Environmental treatment

2400-2500MHz
Antenna position

