

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	DR-HAC011S	
	PART NAME	WIFI Antenna	
	FREQUENCY	2400~2500MHz	
	ZTX NO.	2.00000641	
	DATE	2024-01-08	

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	Gang Liu	



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ANTENNA SPECIFICATION

Revision history

Edition	Date	state
A0	2024-01-08	First edition

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1-1 Mechanical Configuration (WIFI Antenna)



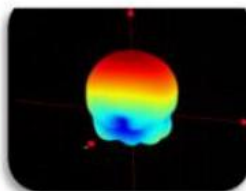
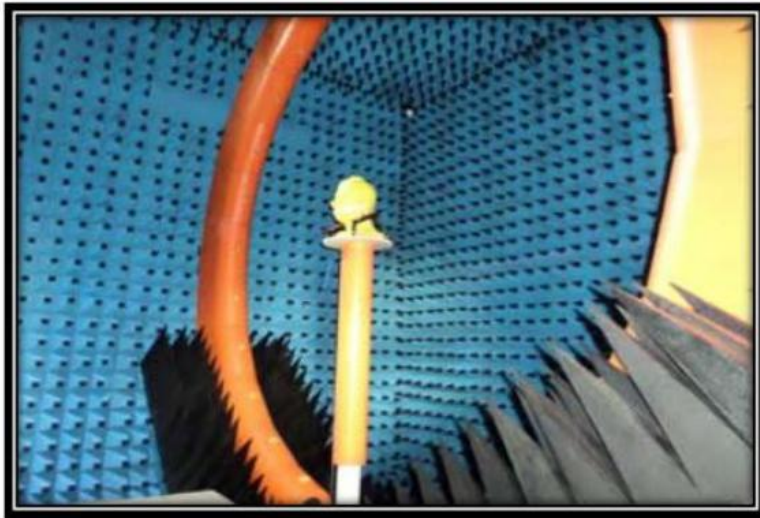
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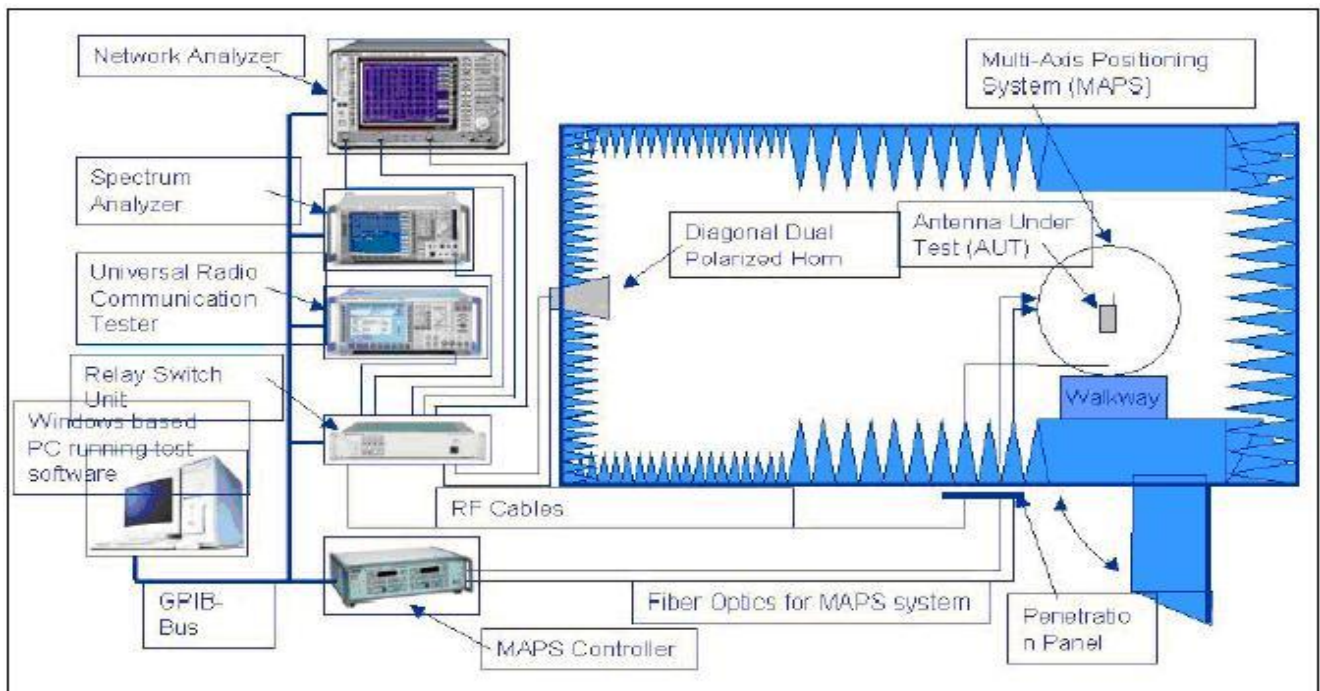
2. Test equipment



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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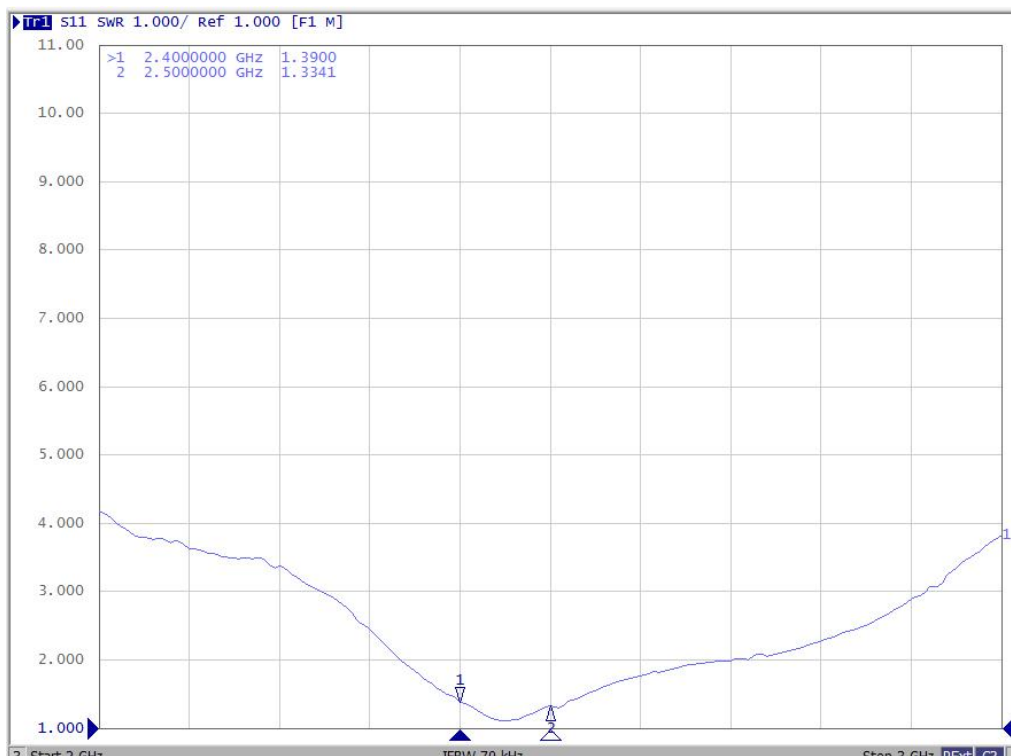
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3.Test Results Summary 3-1 Active Test

11b	Channels	TRP (11M)	TIS (11M)
	1	15.58	-83.67
	6	15.68	-83.82
	11	15.89	-83.73
11g	Channels	TRP (54M)	TIS (54M)
	1	12.03	-70.78
	6	12.11	-70.77
	11	12.45	-70.86
11n	Channels	TRP (MCS7)	TIS (MCS7)
	1	11.89	-66.44
	6	12.07	-66.53
	11	12.38	-66.88

3-2 VSWR



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3-3 No-source test data

Frequency	Efficiency	Efficiency (dB)	Gain (dB)
2400MHz	63%	-1.98	5.95
2410MHz	64%	-1.95	5.52
2420MHz	65%	-1.85	5.63
2430MHz	66%	-1.83	5.53
2440MHz	65%	-1.89	5.58
2450MHz	65%	-1.86	5.74
2460MHz	66%	-1.83	5.91
2470MHz	65%	-1.88	6.02
2480MHz	65%	-1.89	5.92
2490MHz	64%	-1.96	5.96
2500MHz	63%	-2.01	6.06

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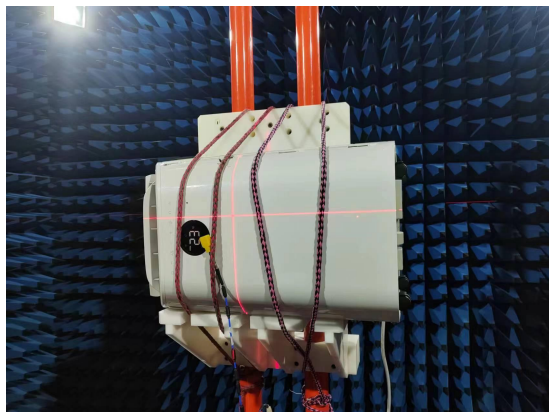
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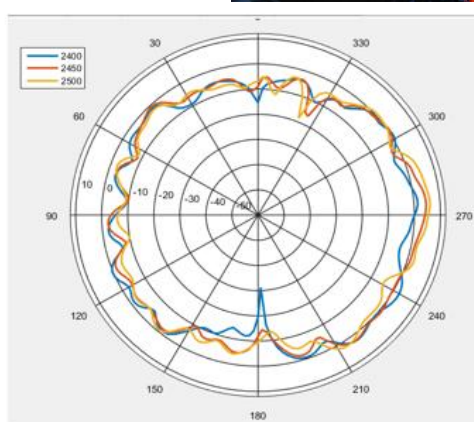
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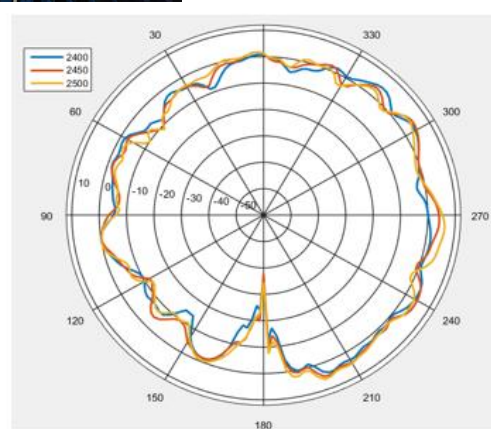
3-4 2D/3D Radiation Pattern Results



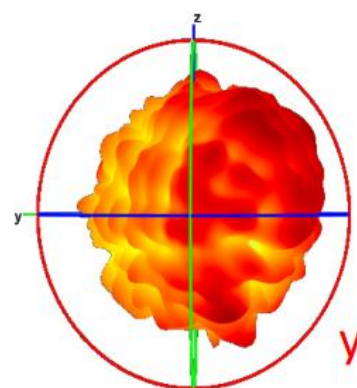
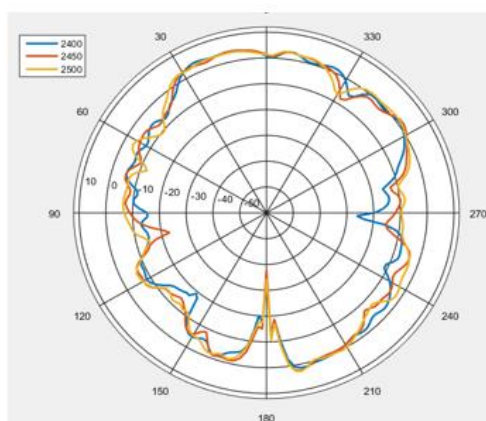
xoy



yoZ



XOZ



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3-5 Environmental treatment

