

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

	CUSTOMER	Hesung Innovation Limited	
	CS P/N	DR-HTF018S	
	PART NAME	2.4G Antenna	
	FREQUENCY	2.4~2.5GHz	
	ZTX NO.	2.00006416	
	DATE	2023-11-29	

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	Guangquan Feng	

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ANTENNA SPECIFICATION

CUS P/N:DR-HTF018S 2.4G Antenna

Application Date:Nov,29,2023

Rev: R:A0

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Revision history

Edition	Date	state
A0	2023-11-29	First edition

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1-1 Mechanical Configuration (2.4G Antenna)



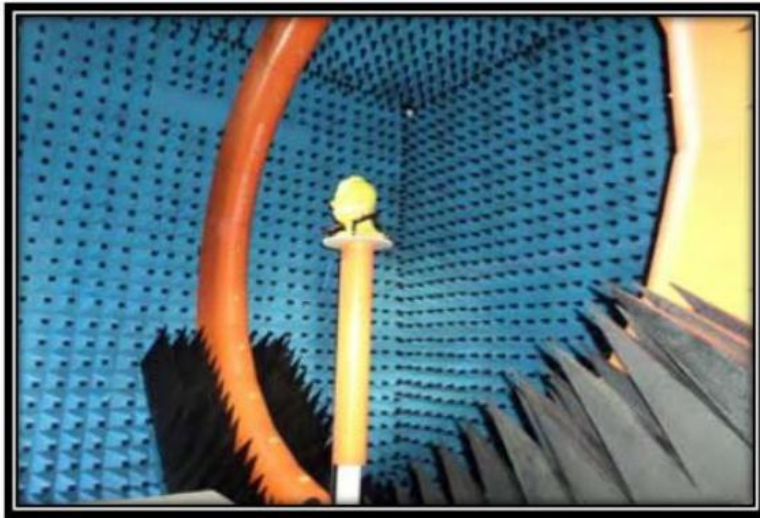
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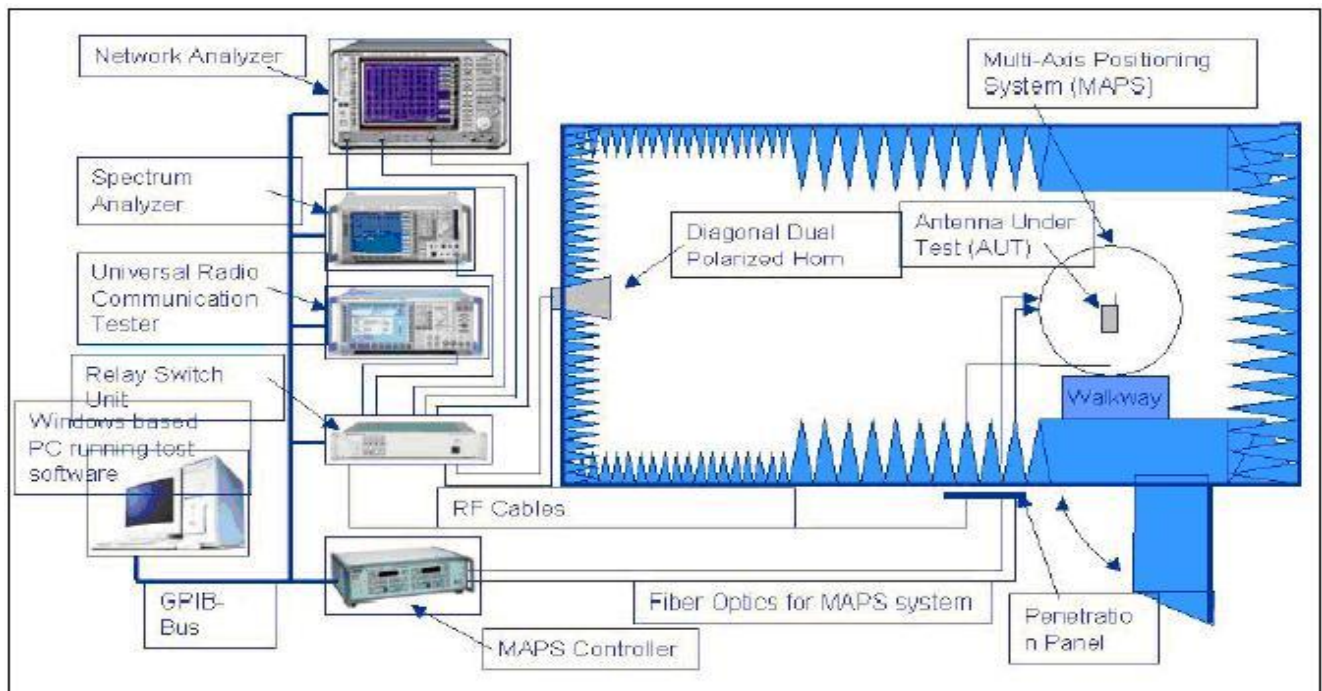
2. Test equipment



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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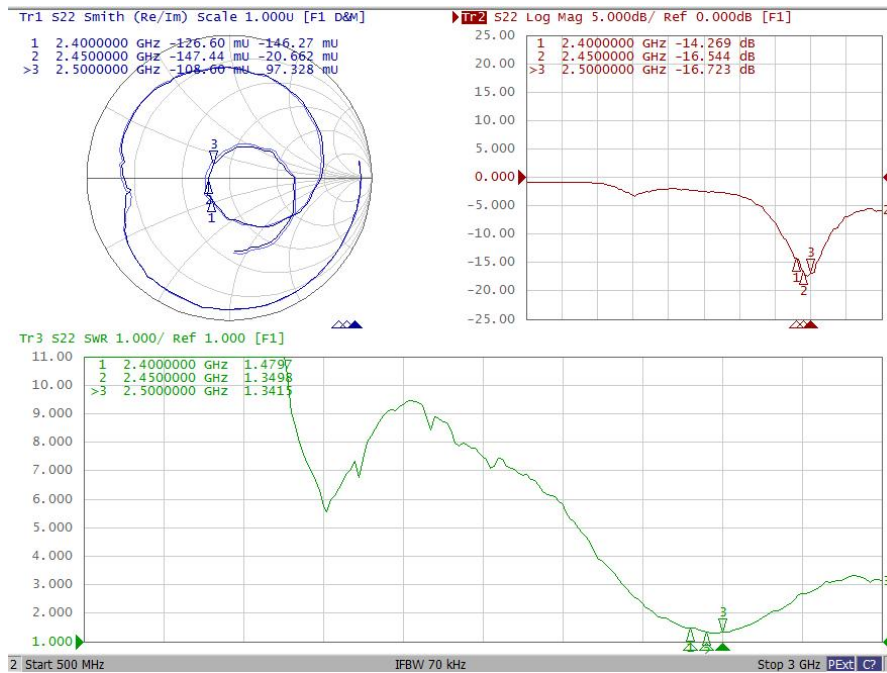
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3.Test Results Summmary

3-1 OTA Test

B			G			N		
	TRP	TIS		TRP	TIS		TRP	TIS
1	16.22	-85.68	1	13.68	-71.5	1	13.76	-65.33
6	15.82	-85.69	6	12.89	-71.68	6	12.97	-66.2
11	16.64	-84.49	11	13.35	-70.55	11	13.22	-65.47

3-2 VSWR



3-3 No-source test data

Frequency	Efficiency	Efficiency	Gain . dB
2400	64%	-1.9	5.1
2410	62%	-2.1	4.8
2420	64%	-1.9	4.9
2430	64%	-2.0	4.0
2440	62%	-2.1	4.0
2450	61%	-2.1	5.1
2460	62%	-2.1	5.3
2470	65%	-1.9	5.6
2480	64%	-2.0	5.6
2490	63%	-2.0	5.5
2500	65%	-1.9	5.8

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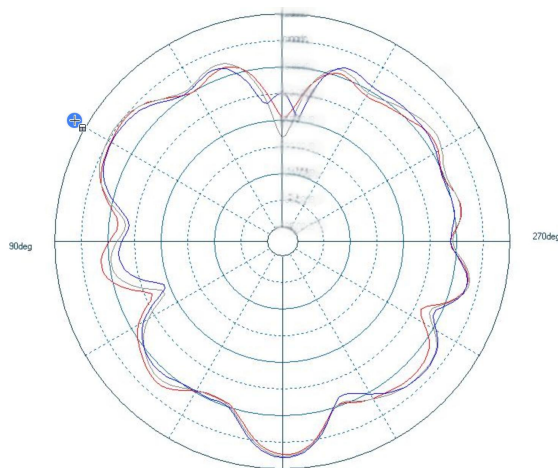
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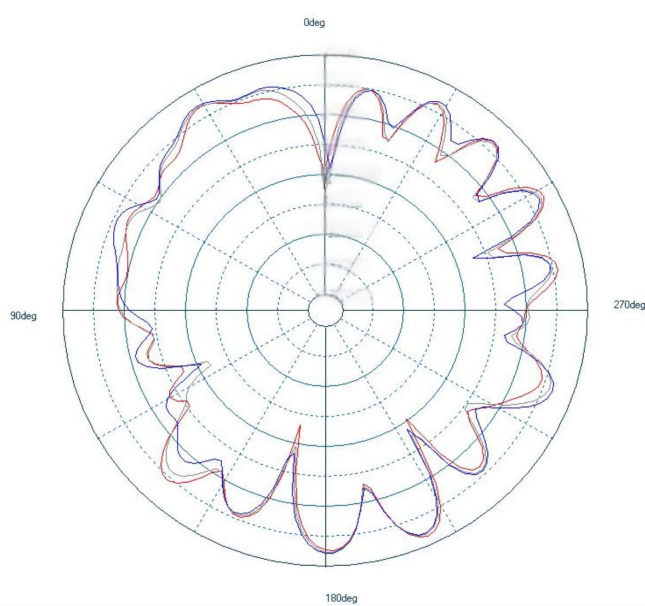
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3-4 2D/3D Radiation Pattern Results

XOZ 面



YOZ 面



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XOY 面

