

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	ZKTECO CO.,LTD.
CS P/N(客户机种)	Nface138
PART NAME(品名)	WIFI antenna
FREQUENCY(频率)	2.4~2.5GHz/5.15~5.85GHz
CUS NO.(物料编号)	L03010629
CUS MS.(物料规格)	32.0mm*8.2mm LENGTH 线长160 ± 3.0mm(黑色) RoHS
ZTX NO.(物料编号)	2.00006247
DATE(日期)	2023/9/19

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER	



Shenzhen ZTX Communication Technology Co., Ltd

地址: 深圳市宝安区石岩镇石龙大道34号(腾达工业园)

邮编: 518000

电话: 0755-27588320

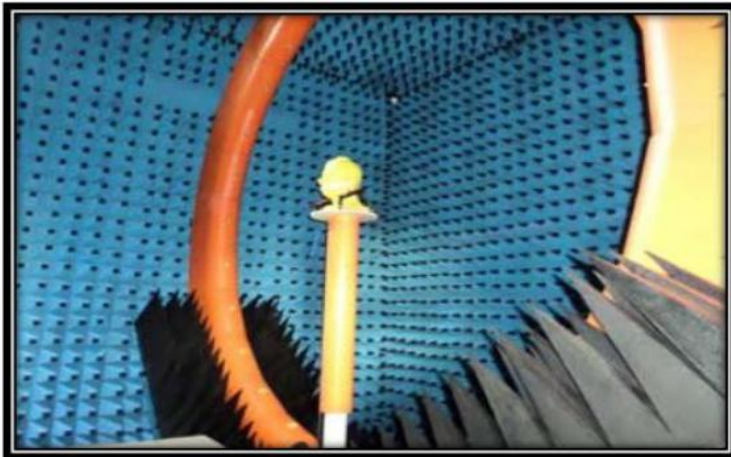
传真: 0755-27588045

http://www.chinaztx.com

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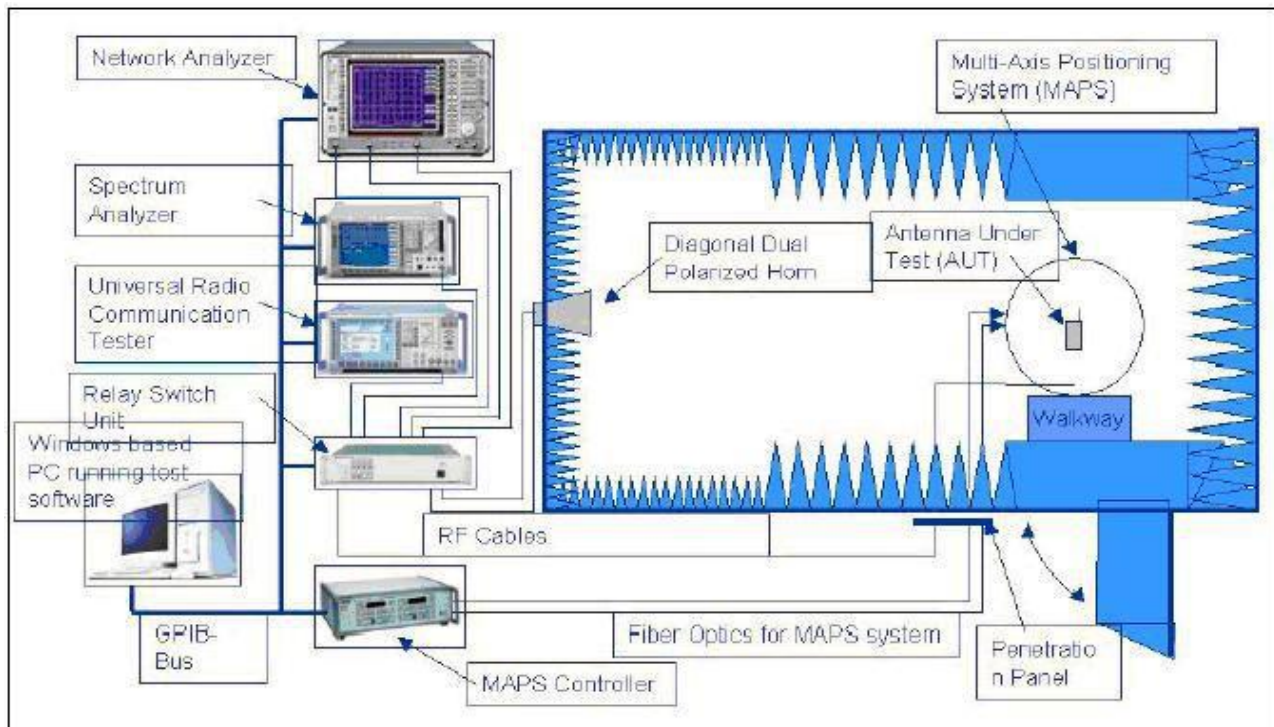
2. Test equipment



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.

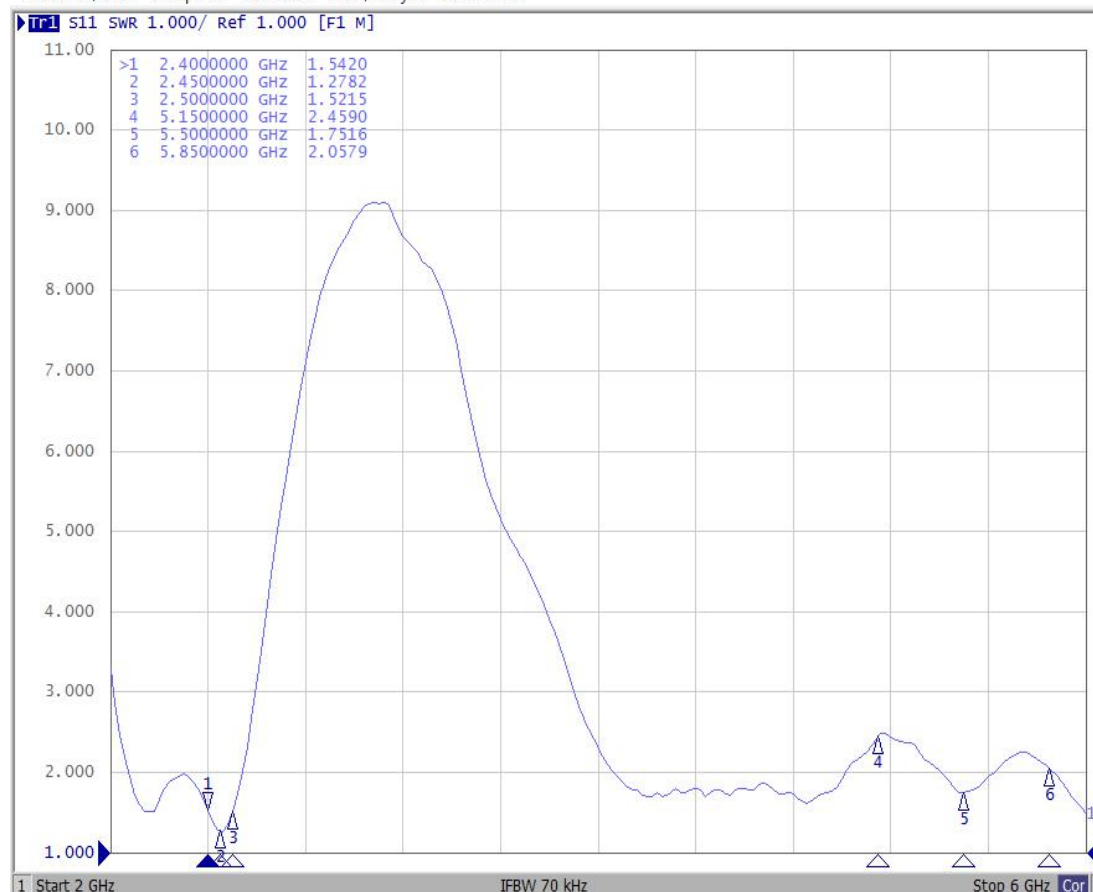


3. Test Results Summary

3-1 VSWR

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

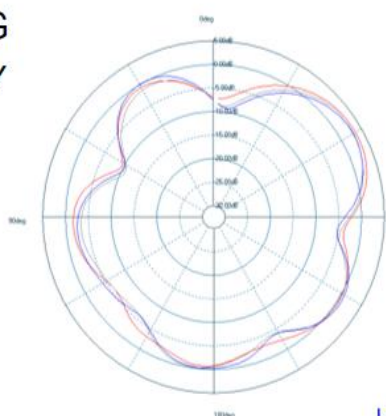


3-2 Passive test

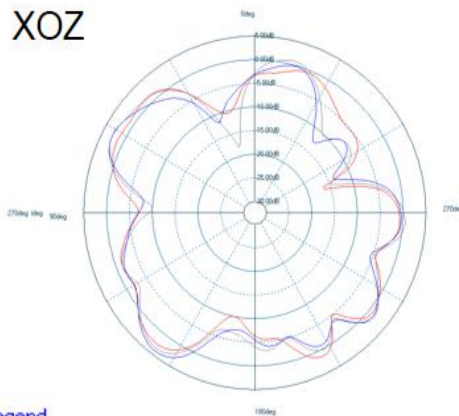
Frequency (MHz)	Efficiency	Efficiency. dB	Gain . dB
2400	53%	-2.76	3.35
2410	54%	-2.64	3.46
2420	56%	-2.51	3.76
2430	57%	-2.46	3.80
2440	56%	-2.52	3.75
2450	55%	-2.62	3.47
2460	52%	-2.83	2.94
2470	53%	-2.78	2.96
2480	53%	-2.73	3.14
2490	51%	-2.93	3.17
2500	50%	-3.00	3.39
5150	45%	-3.51	2.64
5200	44%	-3.53	2.47
5250	45%	-3.46	2.58
5300	42%	-3.72	2.47
5350	48%	-3.19	3.09
5400	50%	-3.04	3.12
5450	52%	-2.83	3.33
5500	48%	-3.17	3.09
5550	44%	-3.57	2.85
5600	46%	-3.41	2.92
5650	47%	-3.27	3.26
5700	47%	-3.30	3.35
5750	45%	-3.44	3.41
5800	46%	-3.36	3.76
5850	48%	-3.21	3.66

3-3 2D/3D Radiation Pattern Results

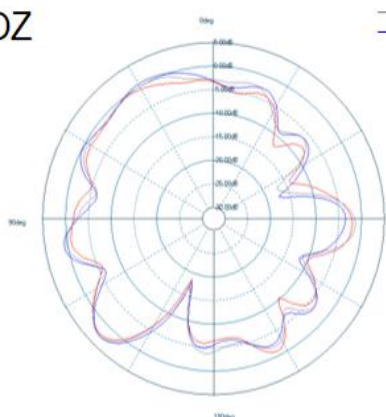
2.4G
XOY



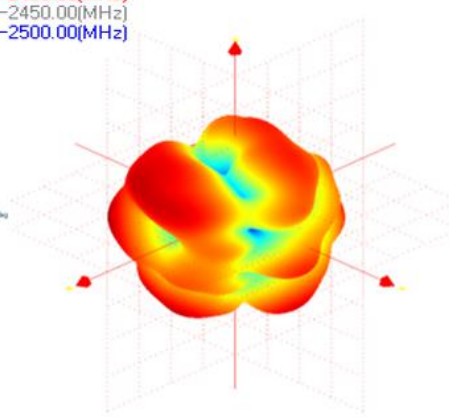
XOZ



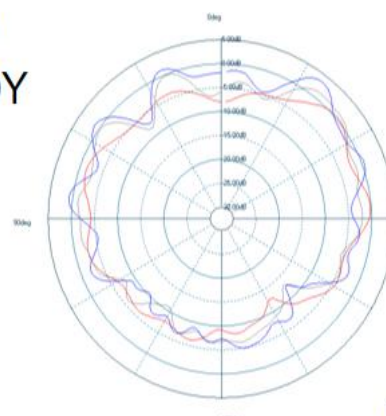
YOZ



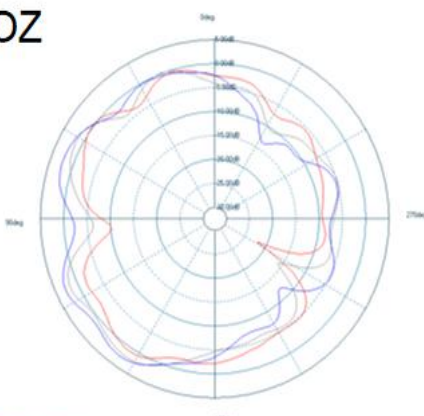
Legend
— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)



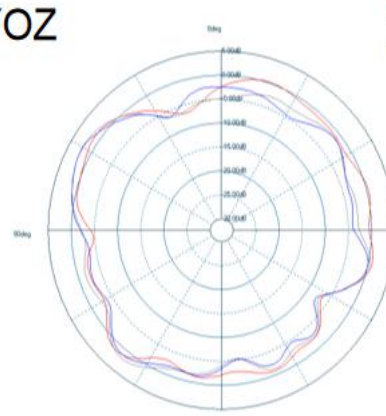
5G
XOY



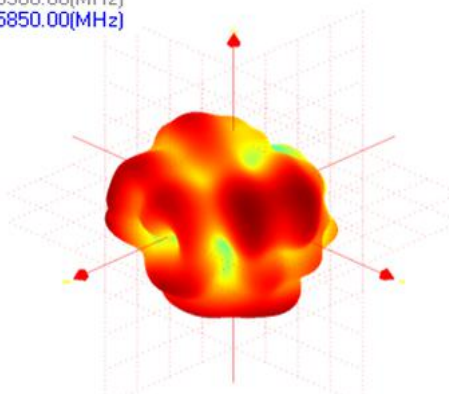
XOZ



YOZ



Legend
— 5150.00(MHz)
— 5500.00(MHz)
— 5850.00(MHz)



3-4 Active test

	WIFI 2.4G-11. b		
	Channels	TRP	TIS
1	2.412 GHz	14.28	-78.19
6	2.437 GHz	14.35	-78.44
11	2.462 GHz	13.65	-78.55
	WIFI 5G-11. a		
	Channels	TRP	TIS
36	5.18 GHz	13.24	-67.34
100	5.5 GHz	12.14	-66.19
165	5.825 GHz	13.35	-67.66