

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER	Xtooltech Intelligent
CS P/N	P807
PART NAME	WIFI-1 Antenna Assembly (all-in-one machine)
FREQUENCY	2400~2500MHz、5150~5850MHz
CUS NO.	2.1.09.12.010801
ZTX NO.	2.00006623
DATE	2024/5/9

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
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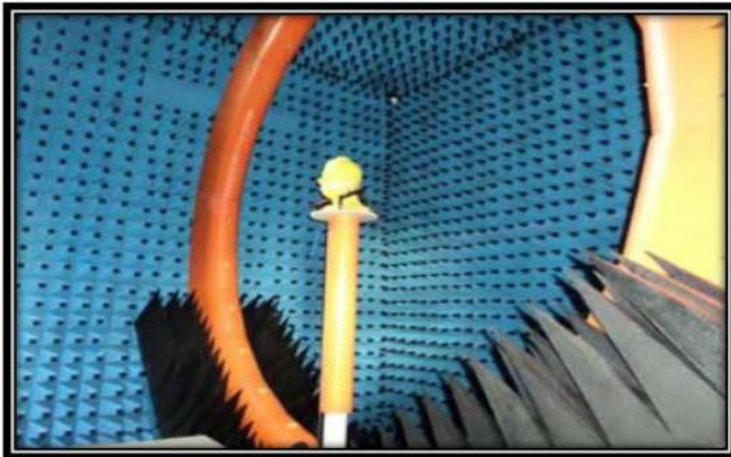
Revision history

Edition	Date	state
A1	2024/5/9	First edition

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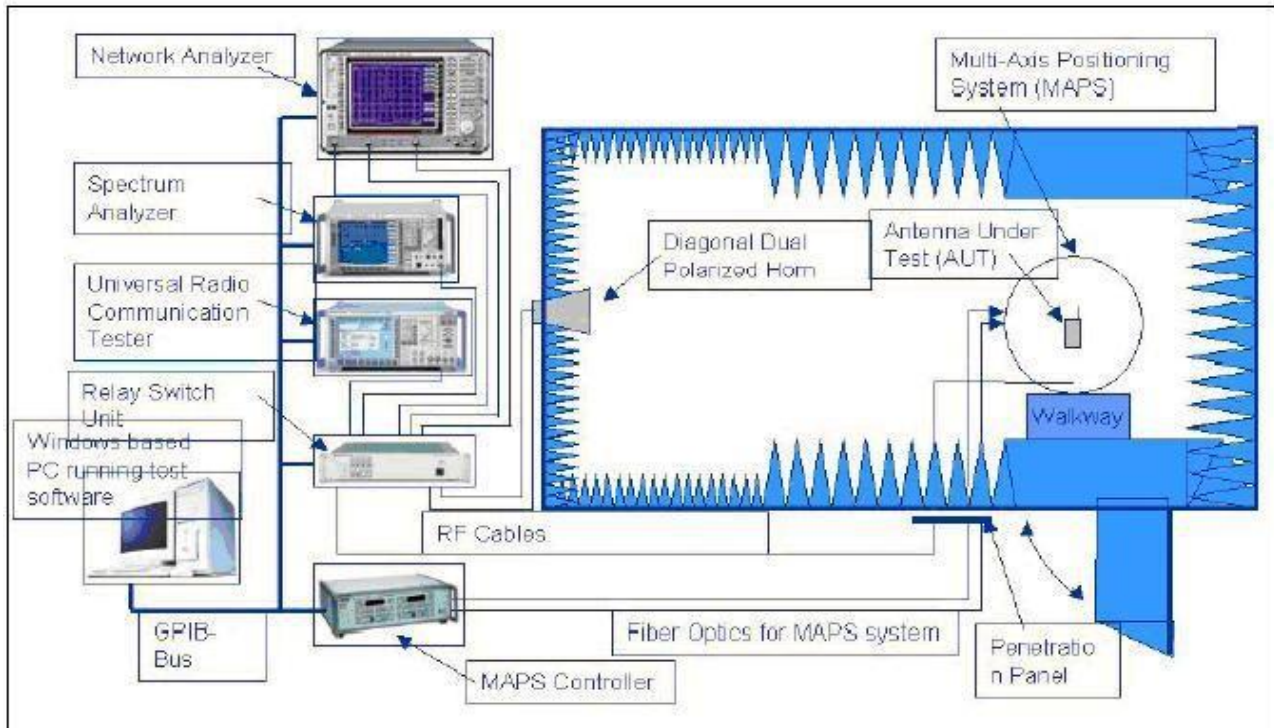
2. Test equipment



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.

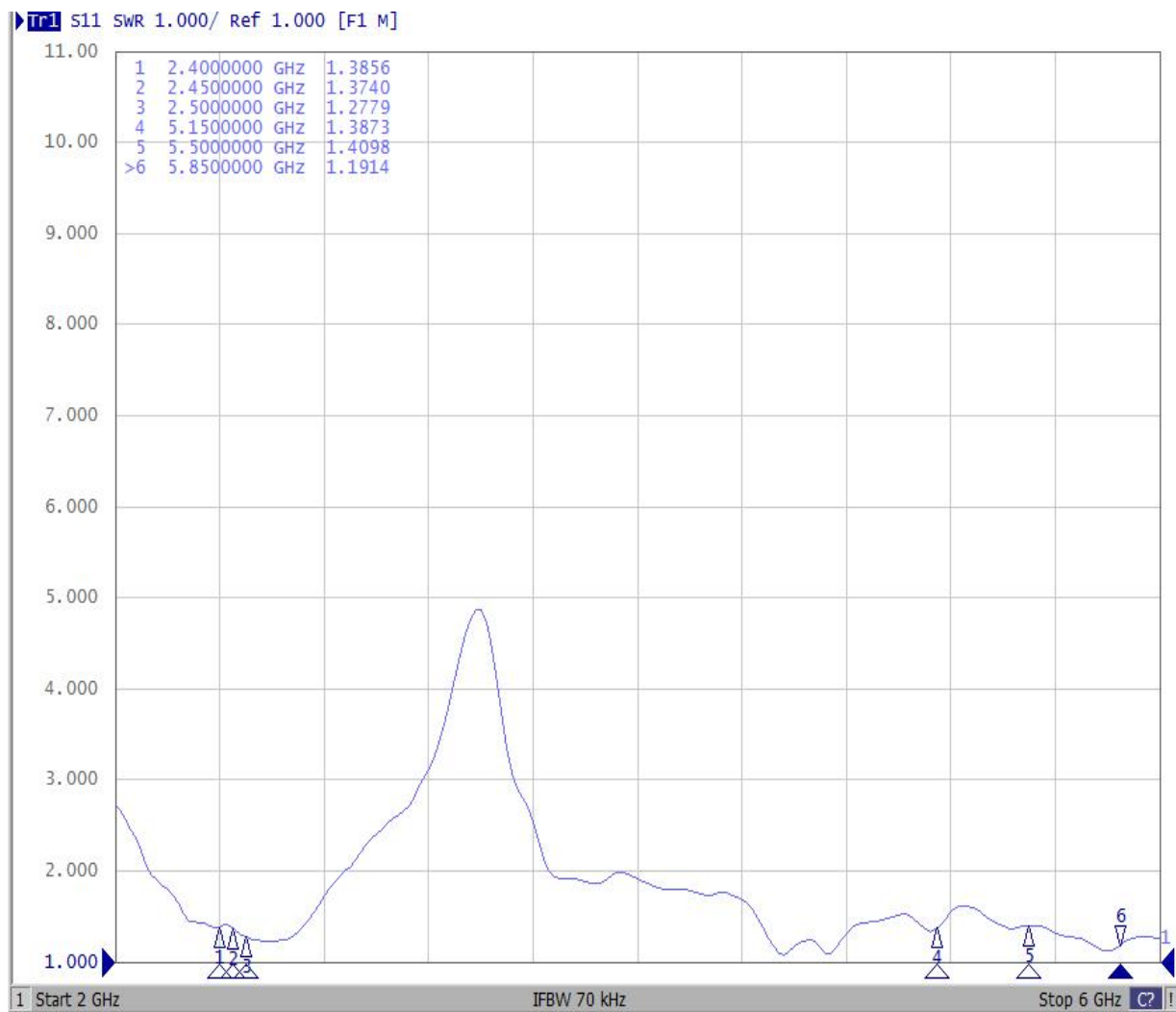
Testing range:

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



3-2 Active test

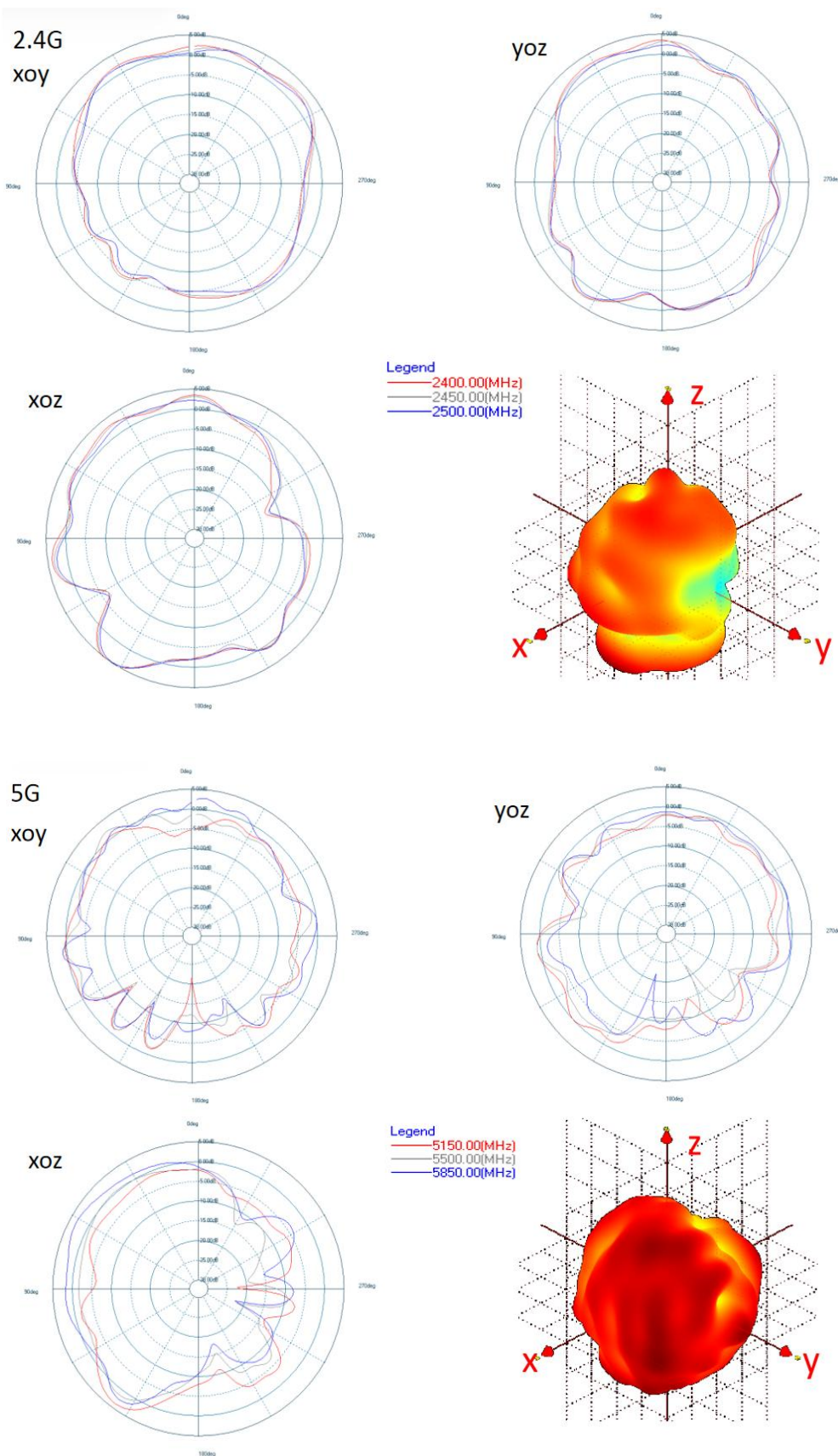
Wifi B	Channels	TRP	TIS	Wifi G	Channels	TRP	TIS	Wifi N	Channels	TRP	TIS
	1	15.36	-86.83		1	15.88	-73.07		1	16.17	-68.81
	6	15.79	-86.67		6	16.44	-72.69		6	16.48	-66.19
	11	15.6	-85.25		11	15.73	-71.95		11	15.66	-68.82
Wifi A	Channels	TRP	TIS	Wifi N	Channels	TRP	TIS		Channels	TRP	TIS
	36	16.16	-71.95		36	16.20	-68.45				
	149	13.12	-68.03		149	13.84	-64.68				
	165	11.66	-67.29		165	12.91	-63.63				



3-3 Passive test

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400MHz	66%	-1.83	5.55
2410MHz	64%	-1.91	5.47
2420MHz	67%	-1.75	5.63
2430MHz	68%	-1.71	5.75
2440MHz	68%	-1.68	5.76
2450MHz	67%	-1.73	5.78
2460MHz	67%	-1.72	5.49
2470MHz	64%	-1.97	5.35
2480MHz	65%	-1.86	5.55
2490MHz	64%	-1.98	5.56
2500MHz	64%	-2.13	5.43
5150MHz	56%	-2.52	3.51
5200MHz	56%	-2.52	3.49
5250MHz	55%	-2.60	3.49
5300MHz	55%	-2.60	3.22
5350MHz	54%	-2.68	3.09
5400MHz	51%	-2.92	3.01
5450MHz	50%	-3.01	3.13
5500MHz	50%	-3.01	3.11
5550MHz	50%	-3.01	3.29
5600MHz	51%	-2.92	3.01
5650MHz	52%	-2.84	3.15
5700MHz	53%	-2.76	3.37
5750MHz	55%	-2.60	3.30
5800MHz	56%	-2.52	3.48
5850MHz	57%	-2.44	3.54

3-4 2D/3D Radiation Pattern Results



3-5 Environment treatment

