

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker	
CS P/N	S2-T2081	
PART NAME	WIFI antenna(JQ) assembly	
FREQUENCY	2400~2500MHz	
CUS NO.		
ZTX NO.	2.00001749	
DATE	2025-04-23	

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
		Le.Qin	Cuilin.Liu	



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ANTENNA SPECIFICATION

CUS P/N:S2-T2081_WIFI antenna(JQ) assembly Application Date:Apr,23,2025

Rev: R:A0

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Revision history

Edition	Date	state
A0	2025-04-23	First edition

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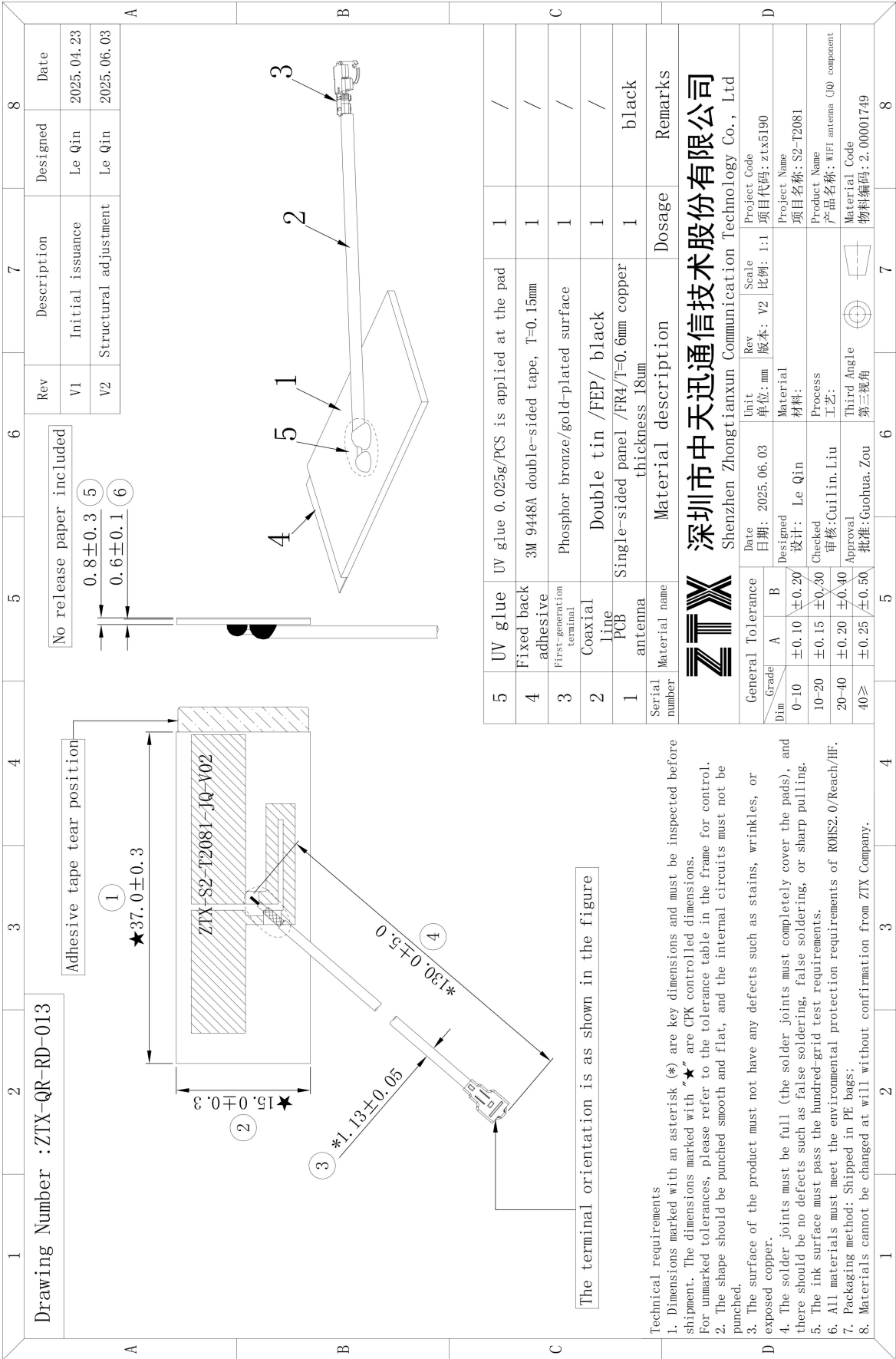
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ANTENNA SPECIFICATION

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI antenna(JQ) assembly)



Technical requirements

1. Dimensions marked with an asterisk (*) are key dimensions and must be inspected before shipment. The dimensions marked with ★ are CPK controlled dimensions. For unmarked tolerances, please refer to the tolerance table in the frame for control.

2. The shape should be punched smooth and flat, and the internal circuits must not be punched.

3. The surface of the product must not have any defects such as stains, wrinkles, or exposed copper.

4. The solder joints must be full (the solder joints must completely cover the pads), and there should be no defects such as false soldering, false soldering, or sharp pulling.

5. The ink surface must pass the hundred-grid test requirements.

6. All materials must meet the environmental protection requirements of ROHS2.0/Reach/HF.

7. Packaging method: Shipped in PE bags;

8. Materials cannot be changed at will without confirmation from ZTX Company.

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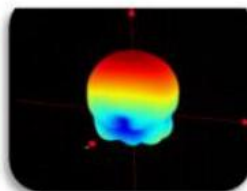
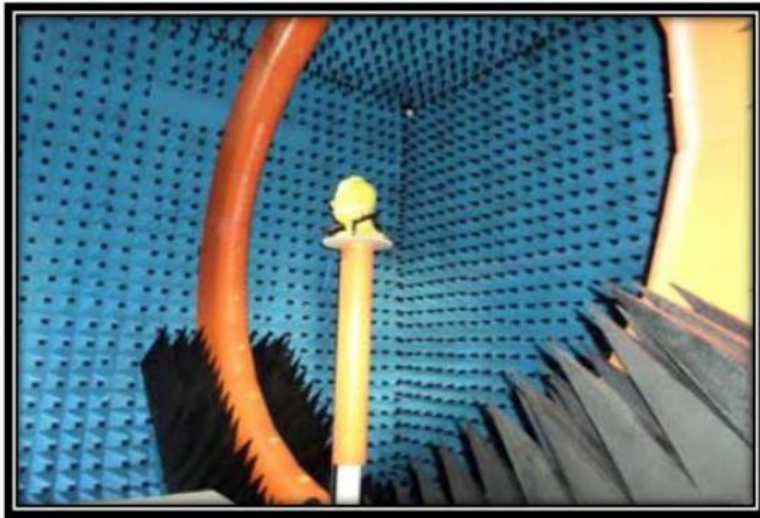
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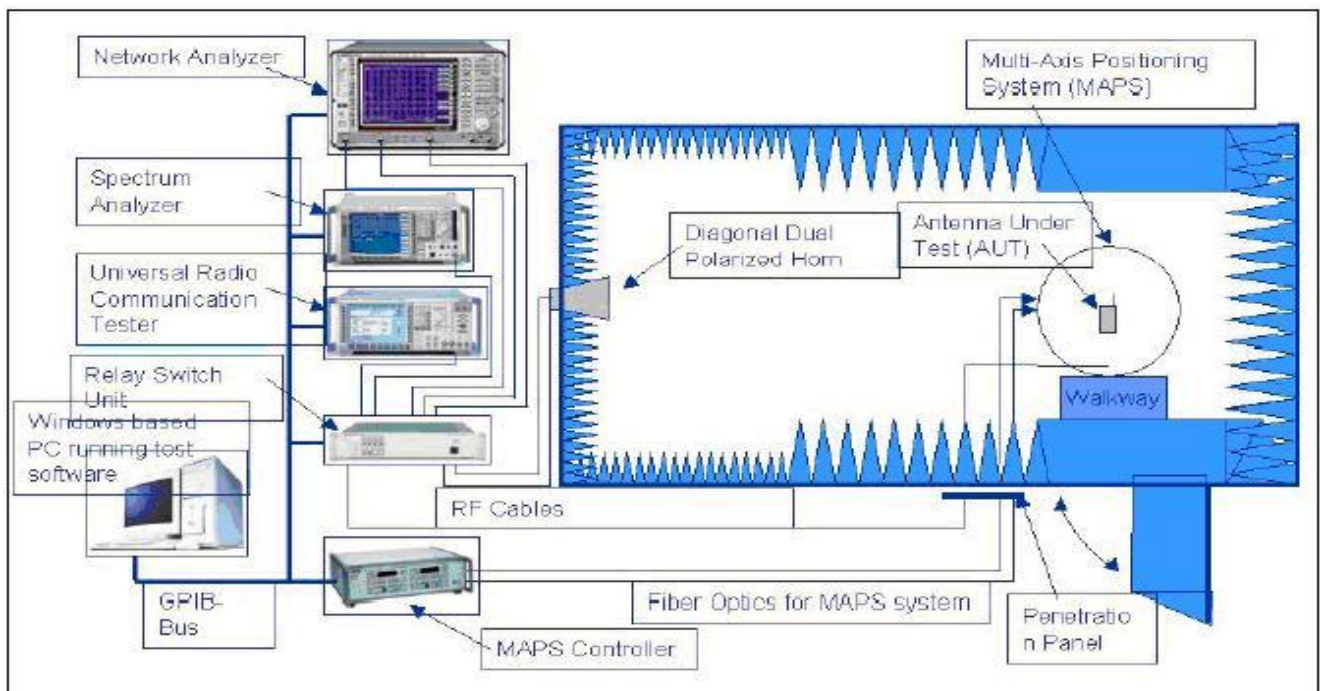
2. Test equipment



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:

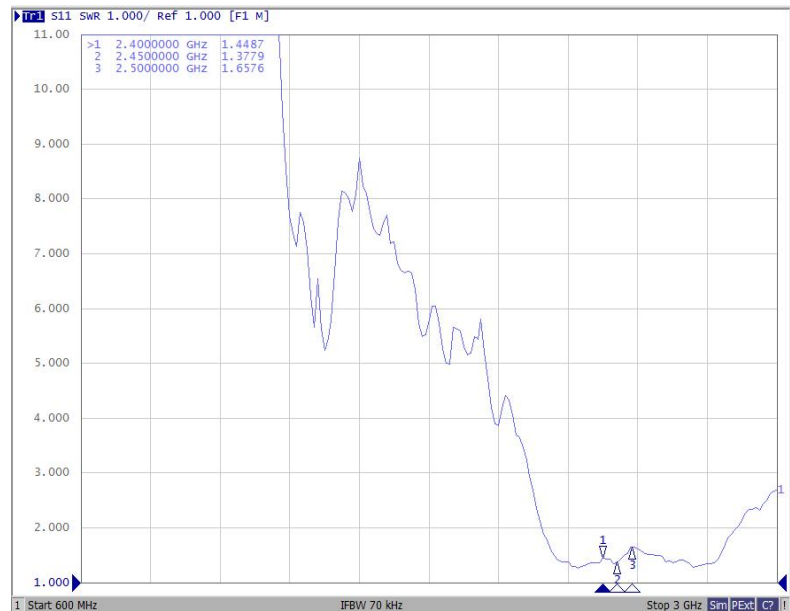
Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



ANTENNA SPECIFICATION

3.Test Results Surmmary

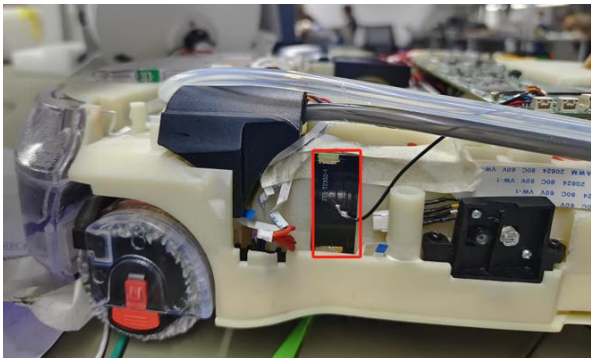
3-1 VSWR



3-2 Passive Test

Frequency	Efficiency		Peak Gain
	%	db	db
2400	53%	-2.74	3.78
2410	54%	-2.68	3.72
2420	54%	-2.70	4.09
2430	54%	-2.66	4.29
2440	54%	-2.69	3.96
2450	54%	-2.72	3.83
2460	52%	-2.80	3.77
2470	53%	-2.79	3.57
2480	52%	-2.80	3.83
2490	53%	-2.73	4.10
2500	54%	-2.69	3.99

3-3 Environmental treatment



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3-4 2D/3D Radiation Pattern Results

