

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	SHARETRONIC
CS P/N	DN003 Server
PART NAME	ANT1 Antenna Components
FREQUENCY	2400~2500/5150~5850MHz
CUS NO.	
ZTX NO.	2. 00001066
DATE	2024/4/25

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	Songlin. LI	



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Revision history

edition	Date	state
A0	2024/4/25	First editio

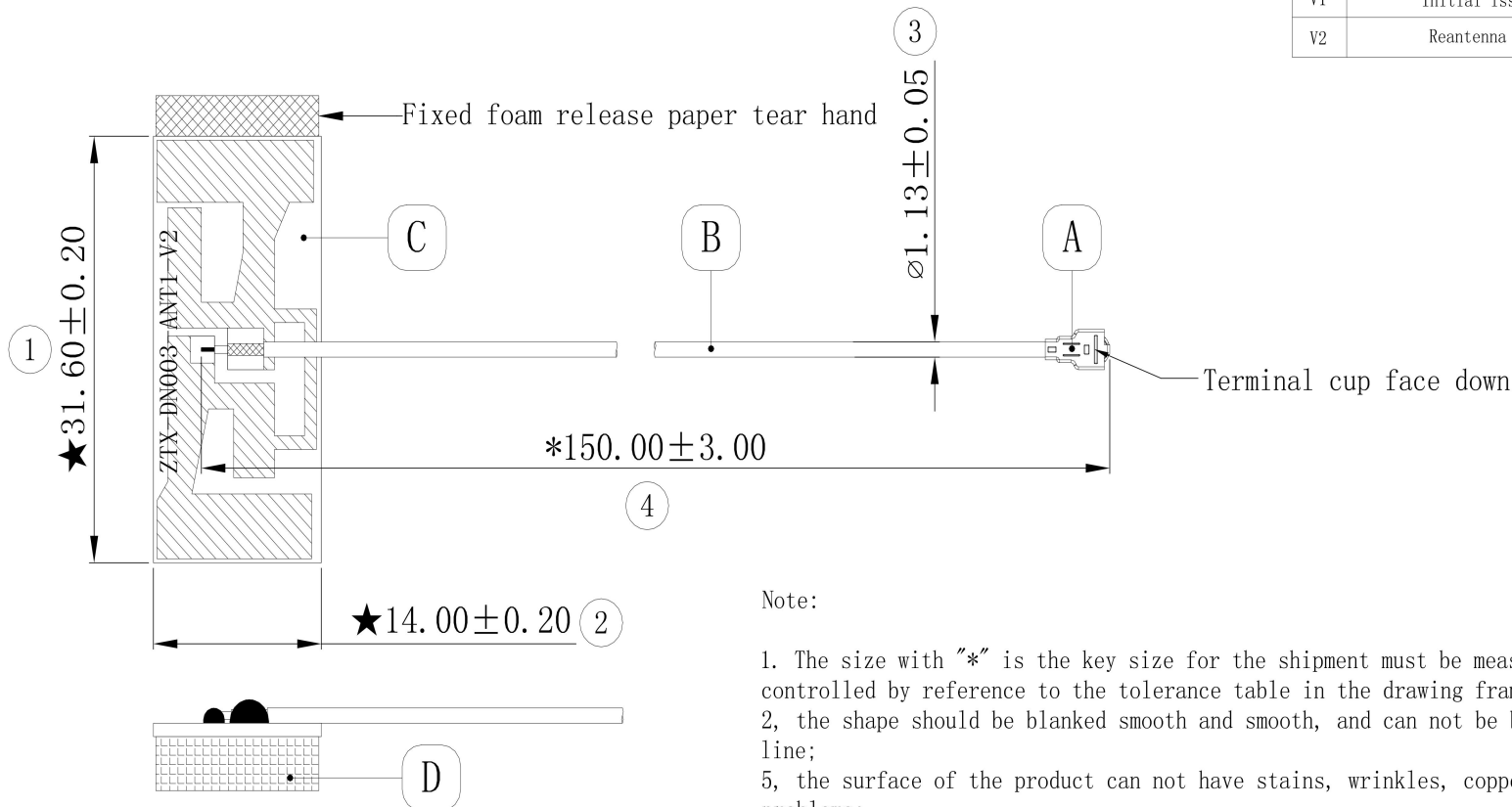


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Drawing Number:ZTX-QR-RD-013

Rev	Description	Designed	Date
V1	Initial issue	Le Qin	2024.03.27
V2	Reantenna	Le Qin	2024.04.25



Note:

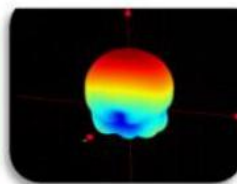
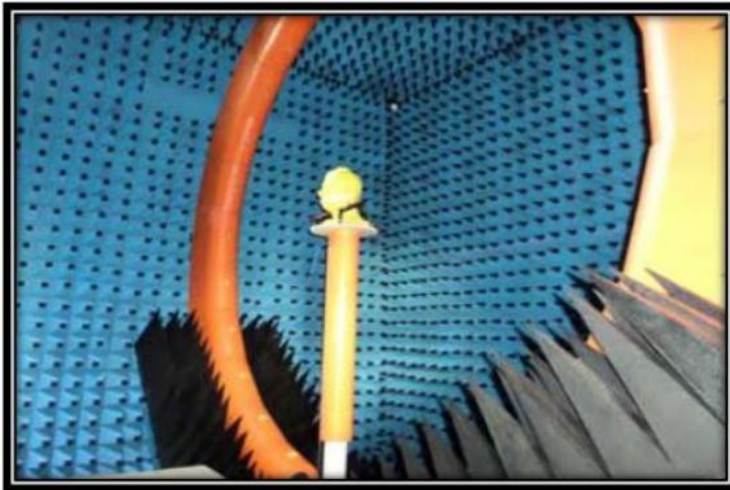
1. The size with "*" is the key size for the shipment must be measured; No tolerance is controlled by reference to the tolerance table in the drawing frame;
2. the shape should be blanked smooth and smooth, and can not be blanked to the internal line;
5. the surface of the product can not have stains, wrinkles, copper exposure and other bad problems;
6. the ink surface needs to pass the test requirements;
7. all materials should meet the requirements of RoHS2.0 + REACH+HF;
8. packaging :PE bag shipment;
9. without the confirmation of ZTX company, the material can not be changed at will;

Material description:

Serial number	Material name	Material description	Dosage	Remark	ZTX Shenzhen ZHONGTIANXUN Communication Technology Shares Co.,Ltd				
D	①	RF terminal 1 generation	Phosphor bronze/gold plated surface	1pcs	General Tolerance				
	②	Coaxial line	1.13 Double tin/FEP/Black	1pcs	Dim	Grade	A	B	Date: 2024.04.25
	③	PCB	Single panel/FR4/T=1.0mm/ Copper thickness 18um	1pcs	5-10	±0.10	±0.20	10-20	±0.15
	④	Fixed foam	Double-sided adhesive/3M9495 +EVA T=4.0mm /Ripper bar	1pcs	20-40	±0.20	±0.40	40>	±0.25
									±0.50
					Designed: Le Qin		Material:		Project code ztx4419
					Checked: Songlin.Li		Process:		Project Name: DN003 Server
					Approval: Guohua. Zou		Third Angle		Product Name: ANT1 Antenna _ Components
									Material Code: 2.00001066



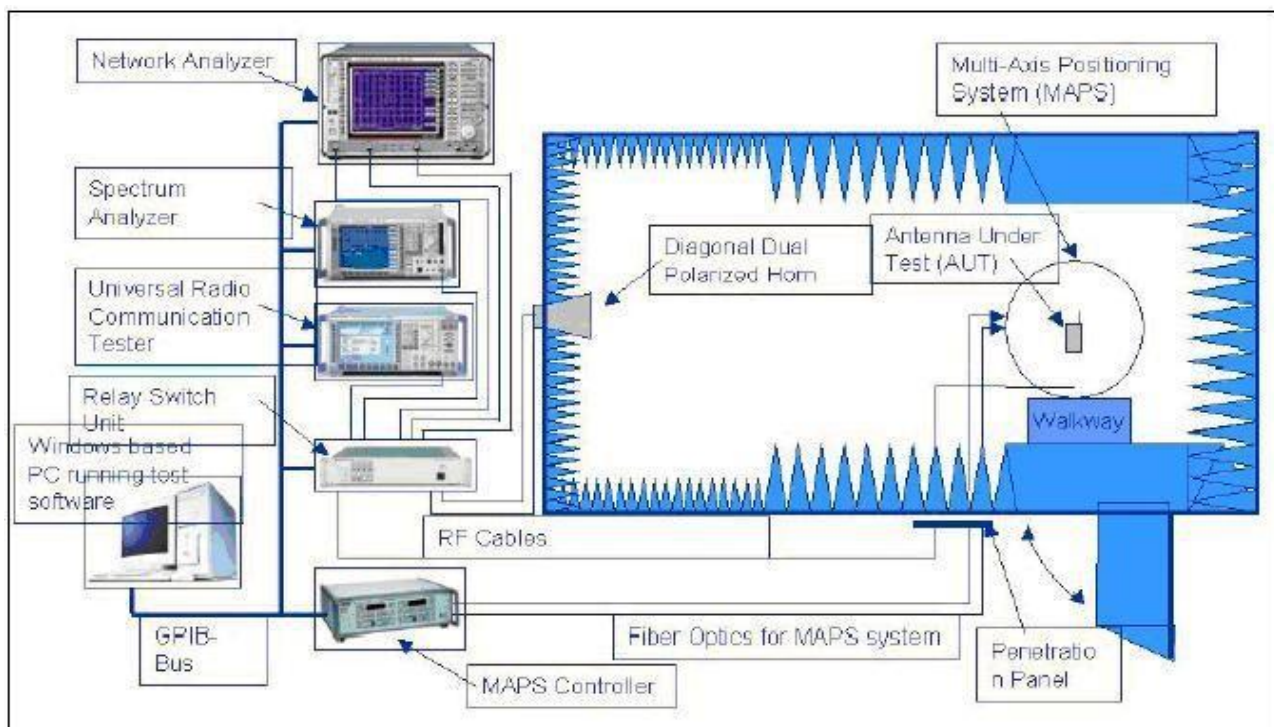
2. Test equipment



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:

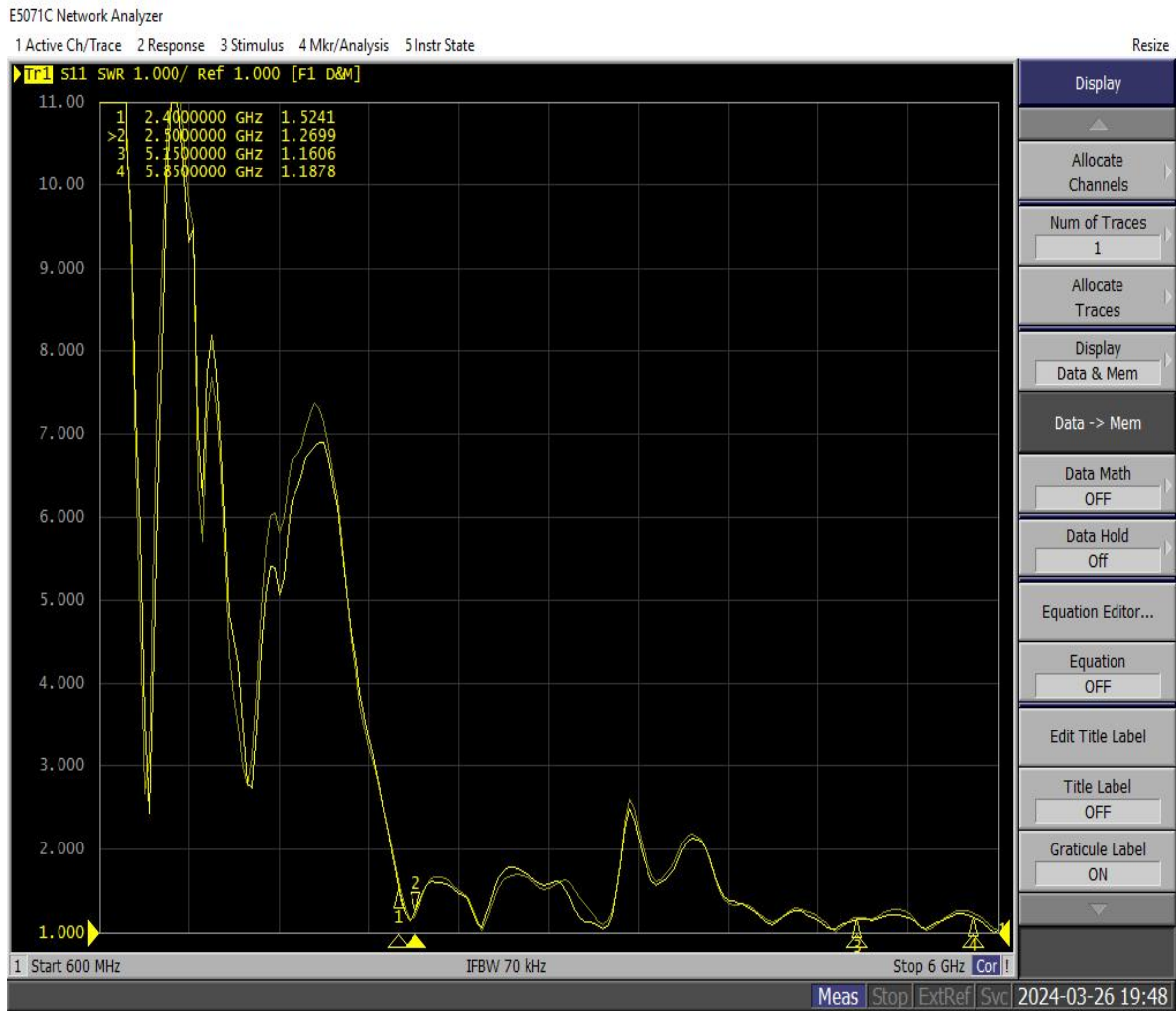
Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.





3. Test Results Summary

3-1 VSWR





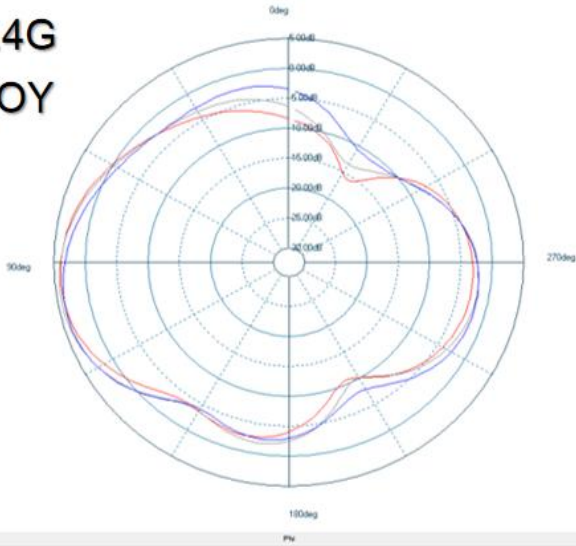
3-2 Passive Test

Frequency	Efficiency	Gain . dB
2400	0.68	4.72
2410	0.66	4.63
2420	0.70	4.89
2430	0.69	4.86
2440	0.71	4.92
2450	0.71	4.93
2460	0.74	5.27
2470	0.70	5.08
2480	0.72	5.17
2490	0.71	4.99
2500	0.70	4.75
5150	0.55	2.30
5200	0.54	2.40
5250	0.52	2.58
5300	0.52	3.11
5350	0.54	3.55
5400	0.53	3.89
5450	0.52	3.85
5500	0.54	3.99
5550	0.55	4.07
5600	0.51	3.80
5650	0.52	3.84
5700	0.50	4.15
5750	0.51	4.12
5800	0.53	4.64
5850	0.53	4.56

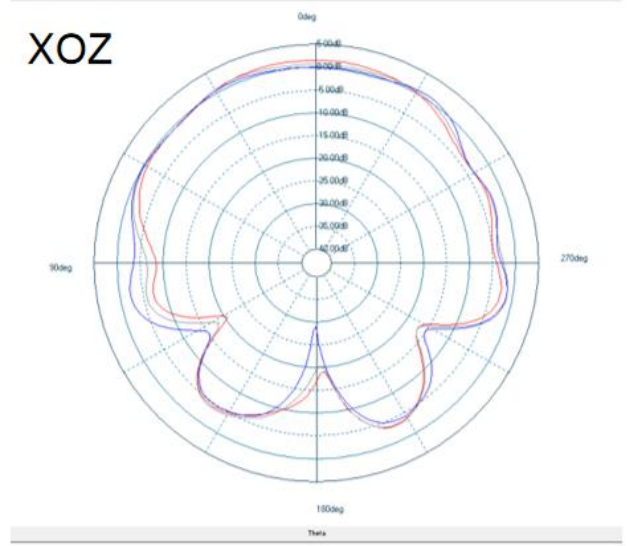


3-3 2D/3D Radiation Pattern Results

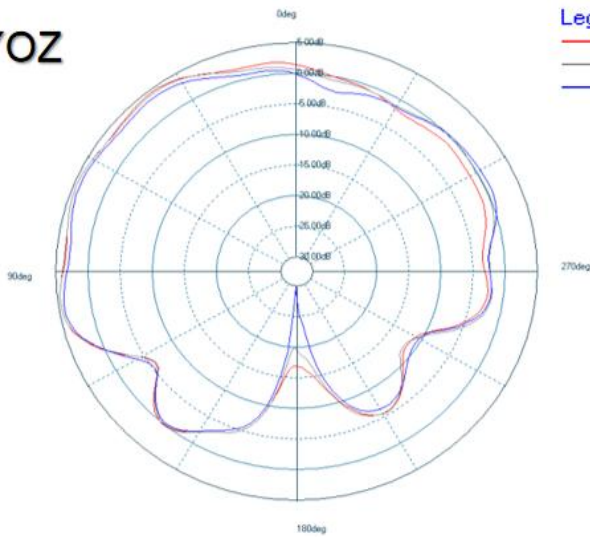
2.4G
XOY



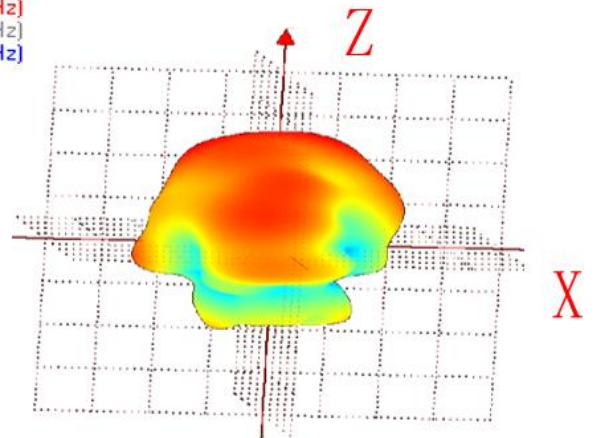
XOZ



YOZ

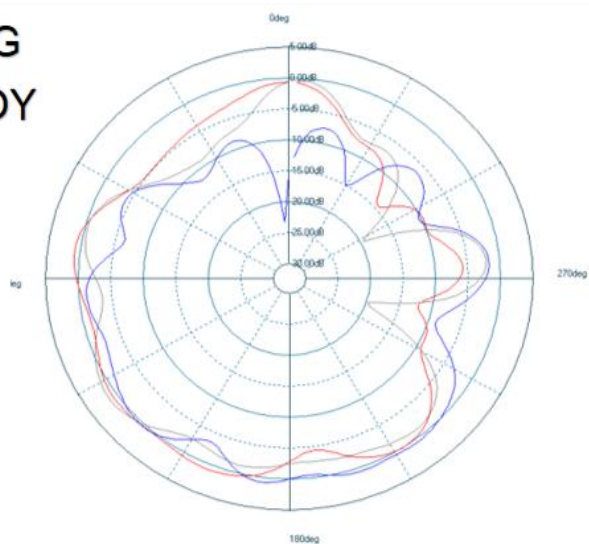


Legend
— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)

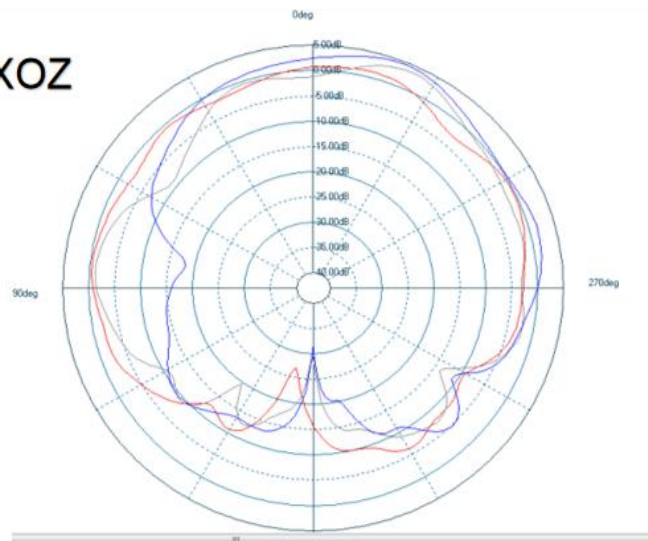




5G
XOY



XOZ



YOZ

