

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	SHARETRONIC
CS P/N	DN003 Server
PART NAME	ANT2 Antenna Components
FREQUENCY	2400~2500/5150~5850MHz
CUS NO.	
ZTX NO.	2.00001067
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

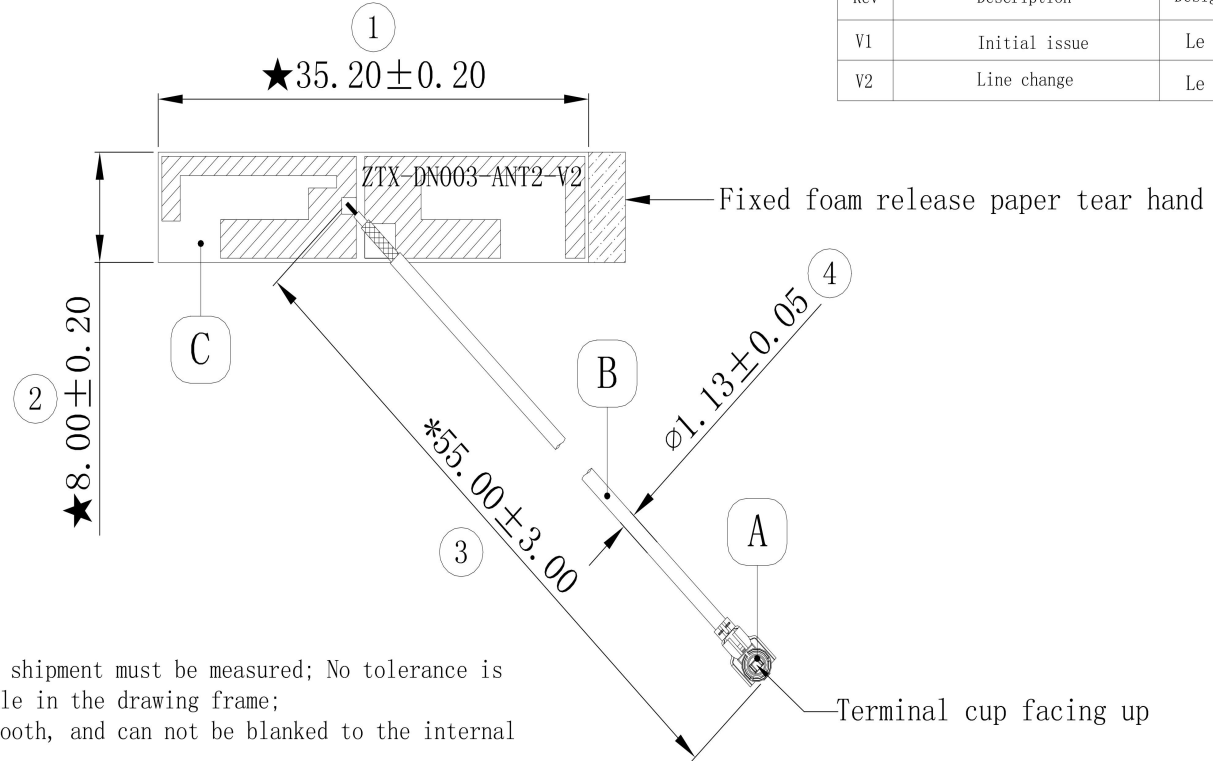


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Drawing Number:ZTX-QR-RD-013

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



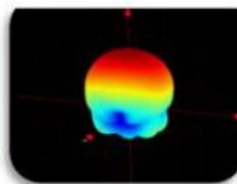
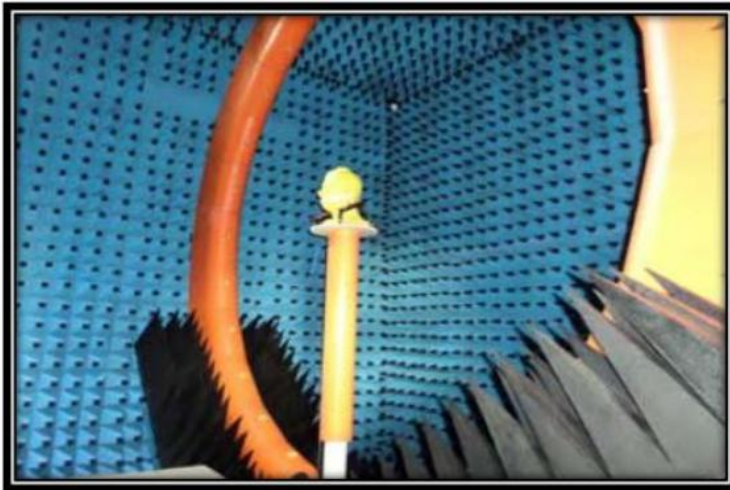
Note:

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								
Ⓐ	RF terminal 1 generation	Phosphor bronze/gold plated surface	1pcs		General Tolerance			Date: 2024.04.25	Unit: mm	Rev: v2	Scale: 1:1	Project code ztx4419	
Ⓑ	Coaxial line	1.13 Double tin/FEP/white	1pcs		Dim	Grade	A	B	Designed: Le Qin		Material:		Project Name: DN003 Server
Ⓒ	FPC	Single panel electrolytic copper/one-half/pad OSP	1pcs		5-10		±0.10	±0.20	Checked: Songlin.Li		Process:		Product Name: ANT2 Antenna _ Components
					10-20		±0.15	±0.30	Approval: Guohua. Zou		Third Angle		Material Code: 2.00001067
					20-40		±0.20	±0.40					
			1pcs		40>		±0.25	±0.50					

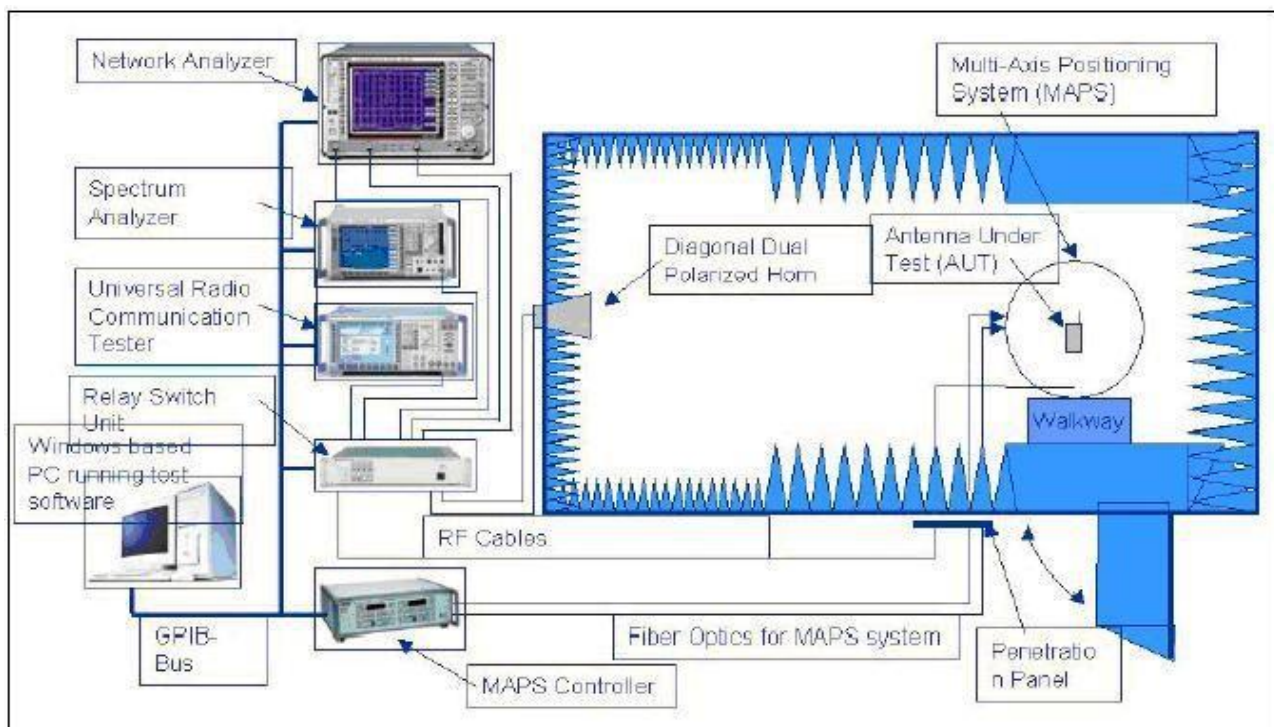
2. Test equipment



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.





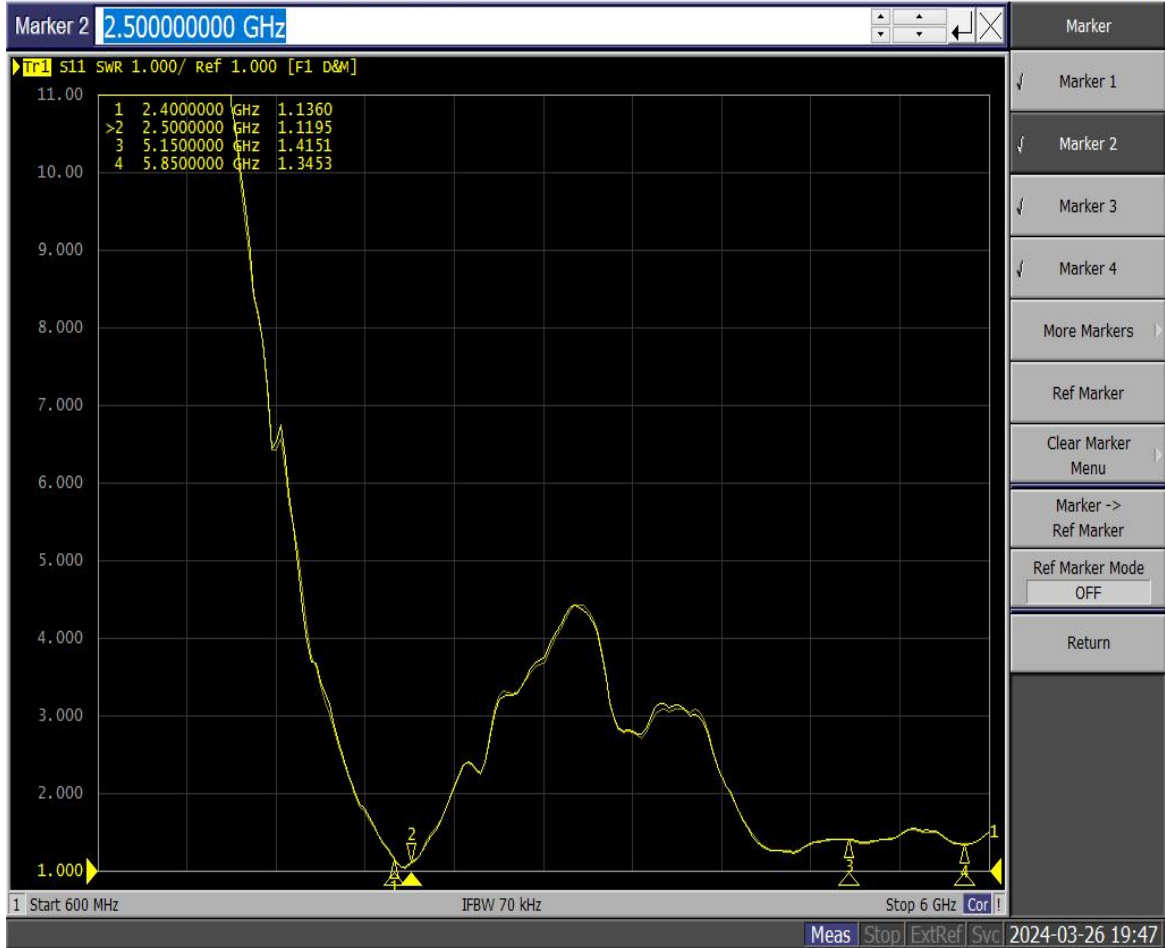
3. Test Results Summary

3-1 VSWR

E5071C Network Analyzer

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

Resize





3-2 Passive Test

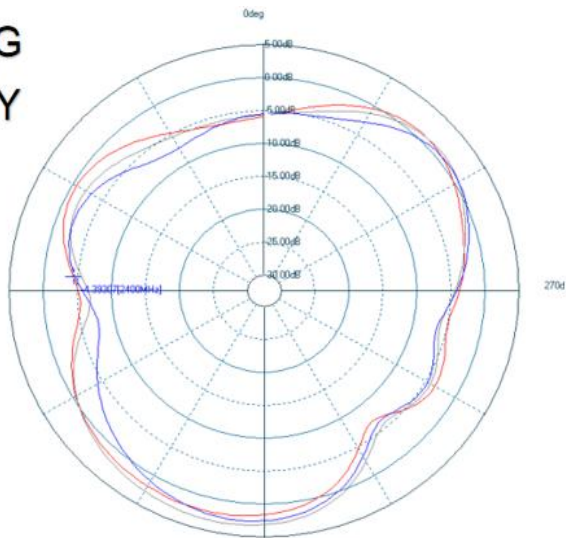
Frequency	Efficiency	Gain . dB
2400	0.61	4.44
2410	0.62	4.47
2420	0.61	4.27
2430	0.60	4.13
2440	0.61	4.08
2450	0.60	3.92
2460	0.61	3.78
2470	0.56	3.30
2480	0.55	3.15
2490	0.56	3.18
2500	0.54	3.18
5150	0.45	3.73
5200	0.51	3.91
5250	0.49	3.71
5300	0.54	3.74
5350	0.54	3.77
5400	0.54	3.84
5450	0.53	3.50
5500	0.53	3.43
5550	0.51	3.12
5600	0.48	2.71
5650	0.45	2.53
5700	0.46	2.84
5750	0.56	3.68
5800	0.54	3.59
5850	0.56	4.05



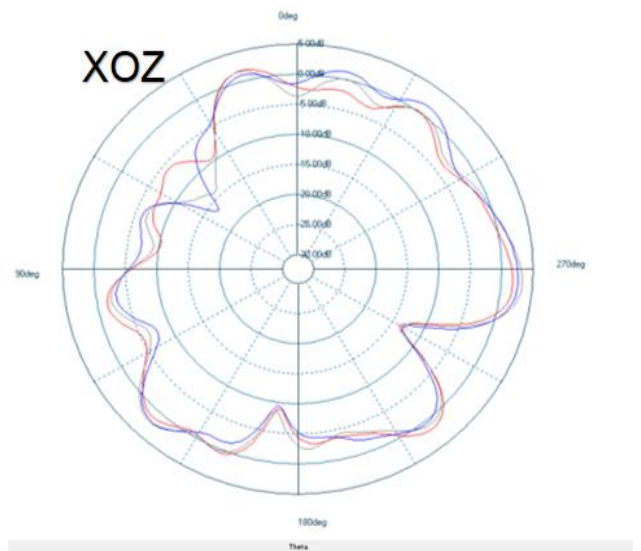
3-3 2D/3D Radiation Pattern Results

2.4G

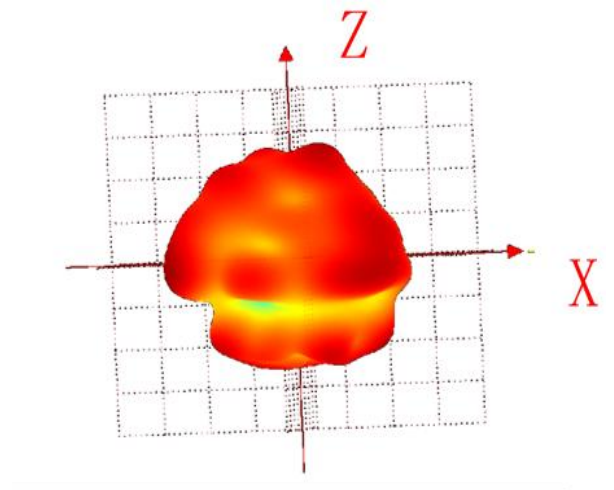
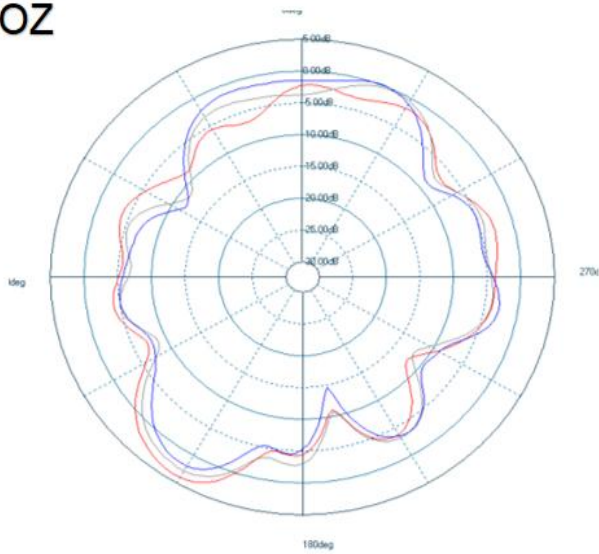
XOY



XOZ

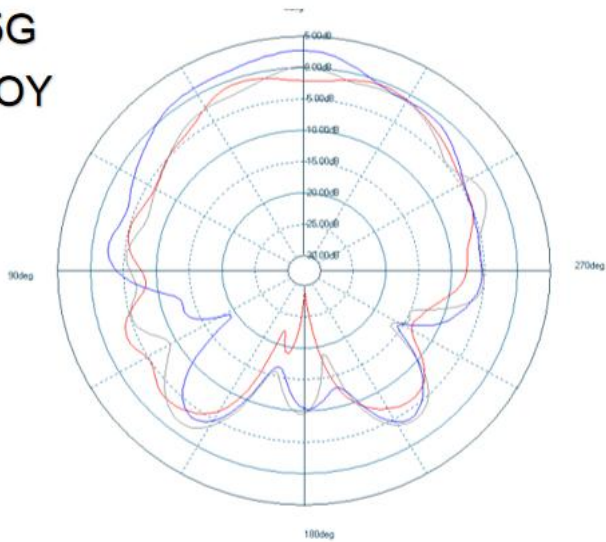


YOZ

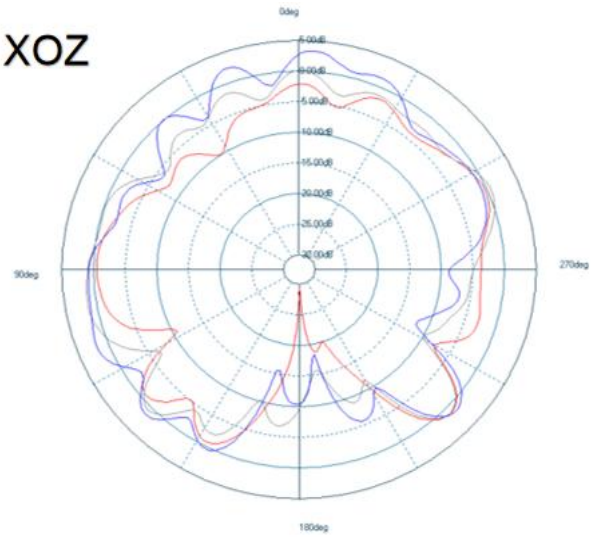




5G
XOY



XOZ



YOZ

