

Testing Report

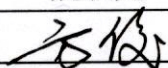
Customer Name

Product Nam: 2 4GHz Antenna---20.10.0003

Sample Model : AJX206D-02 AJX206C-12

Reference Standard: GB/T 9410-2008; ANSI/IEEE Std 149-1979

Issue Date:2022.09.02

Engineer:	姚洪光	Date	2022-09-02
Auditor:	姚洪光	Date	2022-09-02
Approve:		Date	2022.9.2

Version

Version No.	Date	Description	Formulate	Approval
V.0	2022.09.02	For the first time.		

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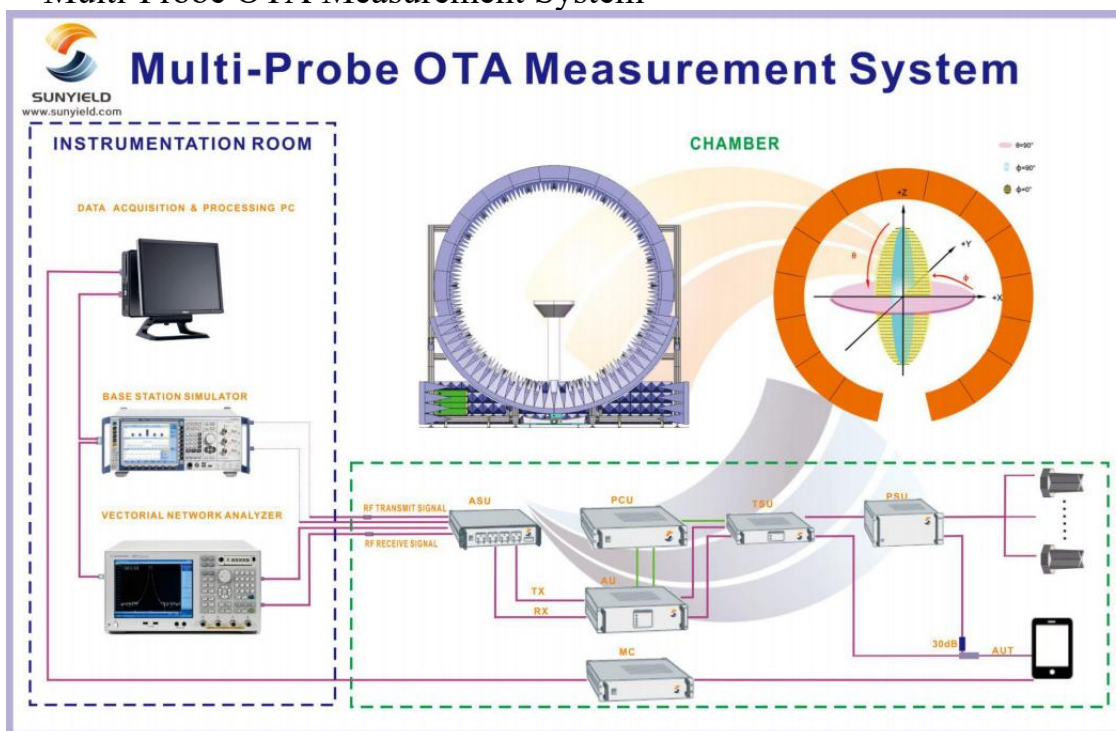
1. General Information

1.1 General information of testing institutions

Name	3rd Floor, Building A5, Nanshan Zhiyuan, 1001 Xili Xueyuan
Address	Avenue, Nanshan District, Shenzhen
Tel	0755-83949890 (8890)
E-Mail	
Equipment	

1.2 Testing principle

Multi-Probe OTA Measurement System



1.3 Test equipment

Equipment	Model No.	Serial No.	Manufacturer	Calibration date	Next calibration date
24 probe microwave chamber	3.2*3.2*2.8	JX-YF-PD-A-TX AS-3292	SUNYIELD	2021.05.06	2024.05.05
Network Analyzer	E5071B	MY42402245	Agilent	2022.02.28	2023.02.27

1.4 Testenvironment

Temperature	23.5°C
Humidity	65%RH
Pressure	100.23kPa

1.5 Statement

- (1) The test results in the report are only applicable to the tested sauries and the tested samples work under the environment described in the rq)ort.
- (2) Only Shenzhen Jingxun Technology Co., Ltd. have the right to modify the report, and the modification information shall be annotated in the revision fbnn.
- (3) Any objection to this report shall be raised within 30 days after formal confirmation of the report.
- (4) This report is invalid if there is any evidence that the sample information provided is falsified.
- (5) The report is invalid without the signature of the auditor and approver.

2. Sample Information

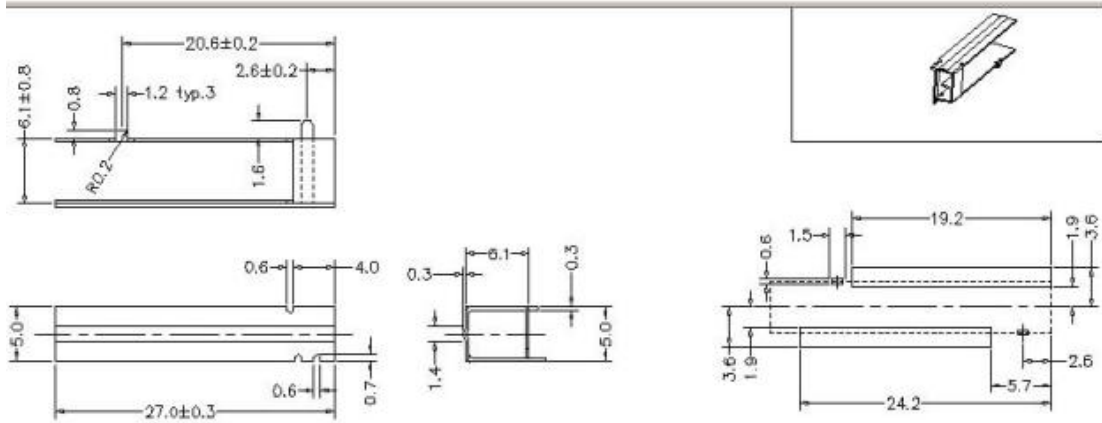
2.1 Client information

Name		
Address		
Contacts		
Tel		
E-mail		

2.2 Description of EUT(S)

Product Name	2 4GHz Antenna
Sample Model	AJX206D-02 、 AJX206C-12
Antenna Size	27x5x6mm
Antenna Type	PIFA Antenna
Serial No.	20.10.0003
Test Item	VSWR; Gain; Efficiency; Radiation pattern
Frequency Range	2400-2500MHZ
Received Date	2022.09.02
Test Date	2022.09.01
Remark	

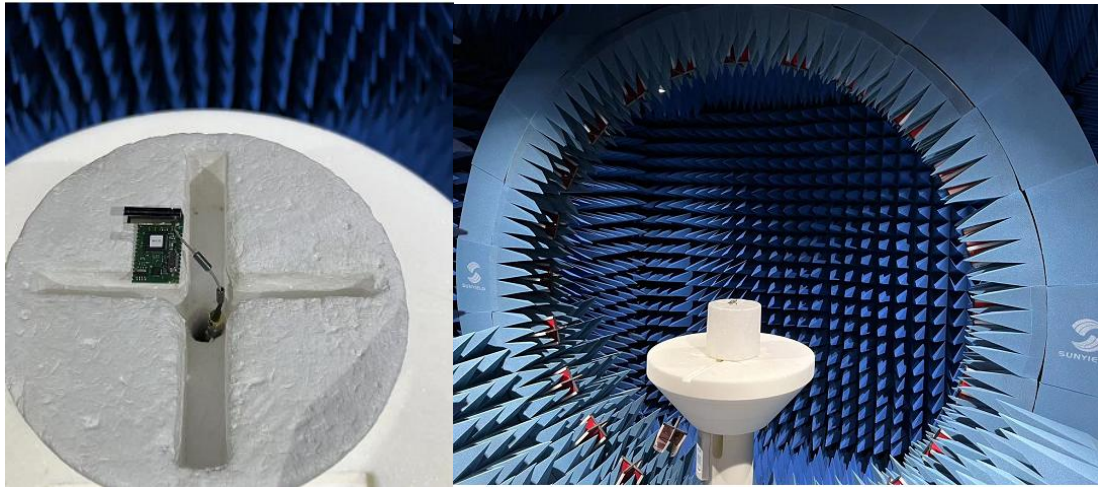
外形及尺寸



2.3 EUT appearance



2. 4 DUT setup photo of free space OTA testing



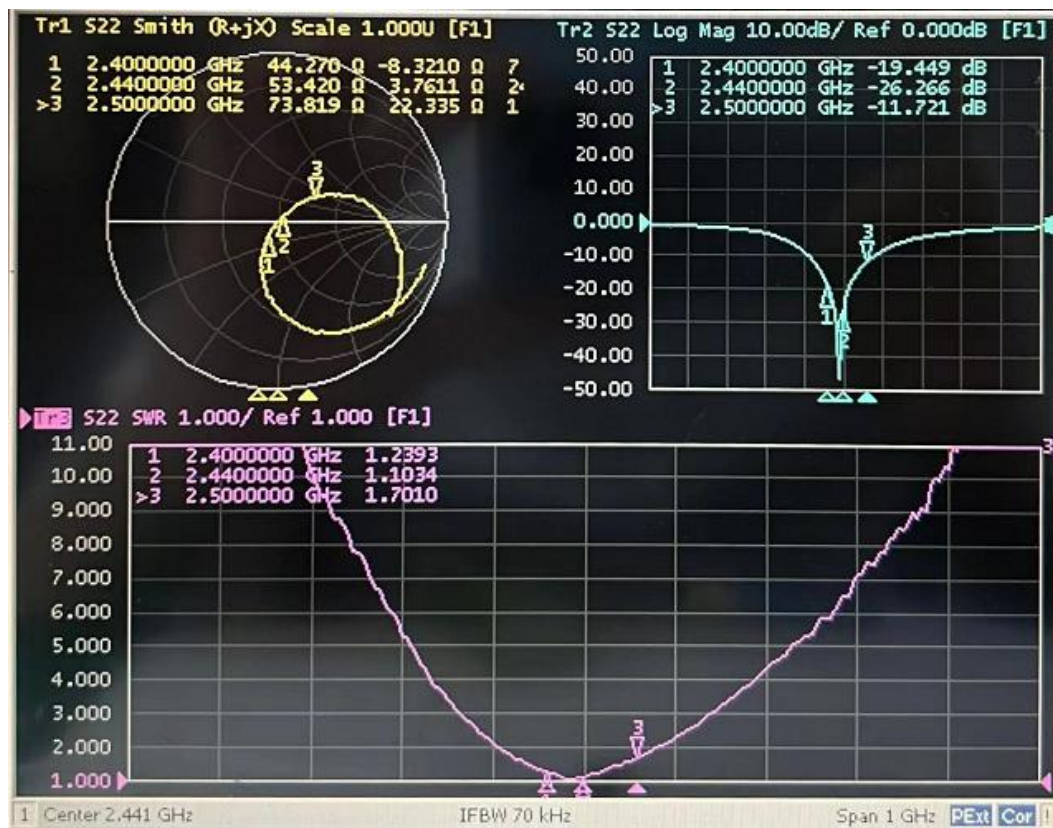
3. Test Results

3.1 Test standard

Standard uo.		Method	Standard uo.
Mobile commimication antenna	Antenna gain	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Radiation pattern		
Antenna	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSL'IEEE Std 149-1979

3.2 Test data

3.2.1 S11 Parameters



3.2.2 VSWR

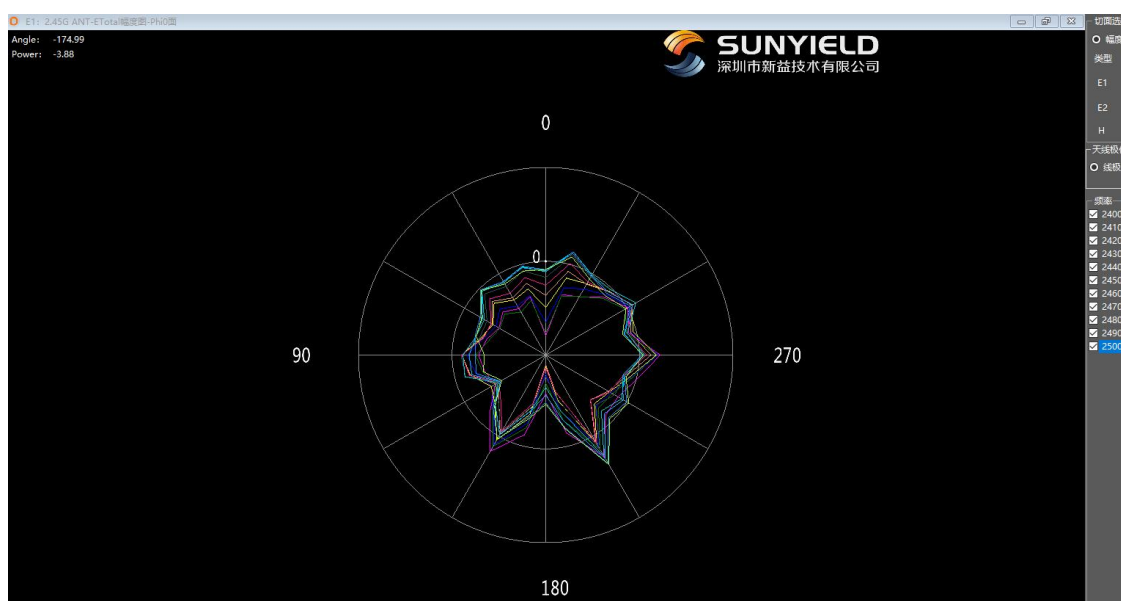
Frequency/MHz	2400	2450	2500
VSWR	1.2393	1.1034	1.7010

3.2.3 Typical free space efficiency and gain

Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain(dBi)	0.92	0.84	0.71	0.67	0.64	0.59	0.68	0.86	0.9	0.87	0.88
Efficiency(%)	61.92	61.31	61.28	60.84	60.98	61.31	61.47	61.85	62.23	62.26	61.61

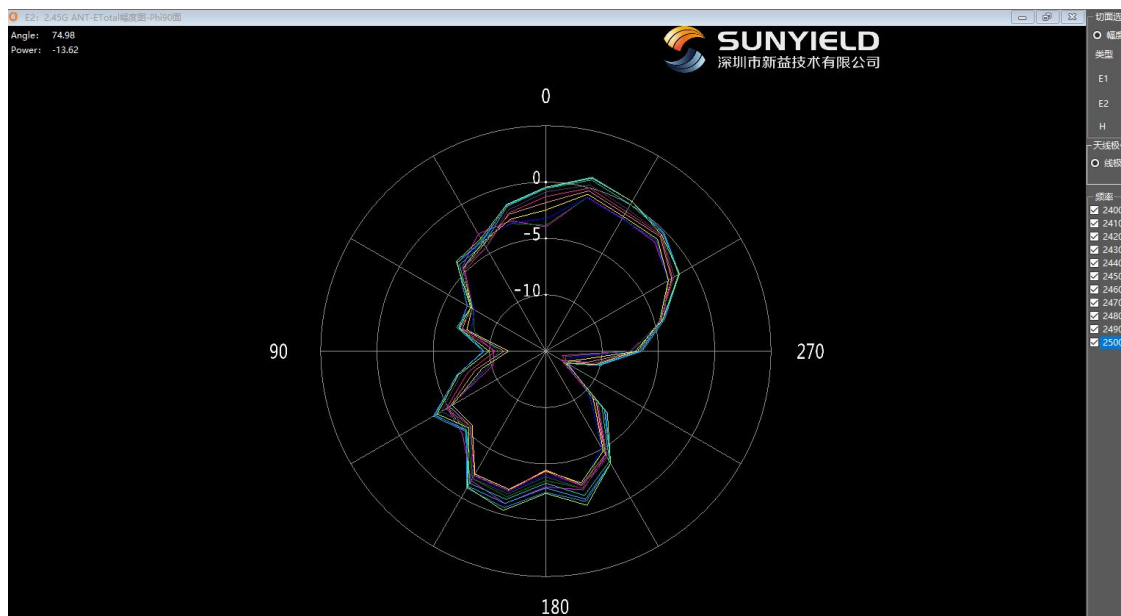
3.2.4 Typical free space radiation pattern

(1) 2400-2500MHz X-Z Plane:
E Phi=0



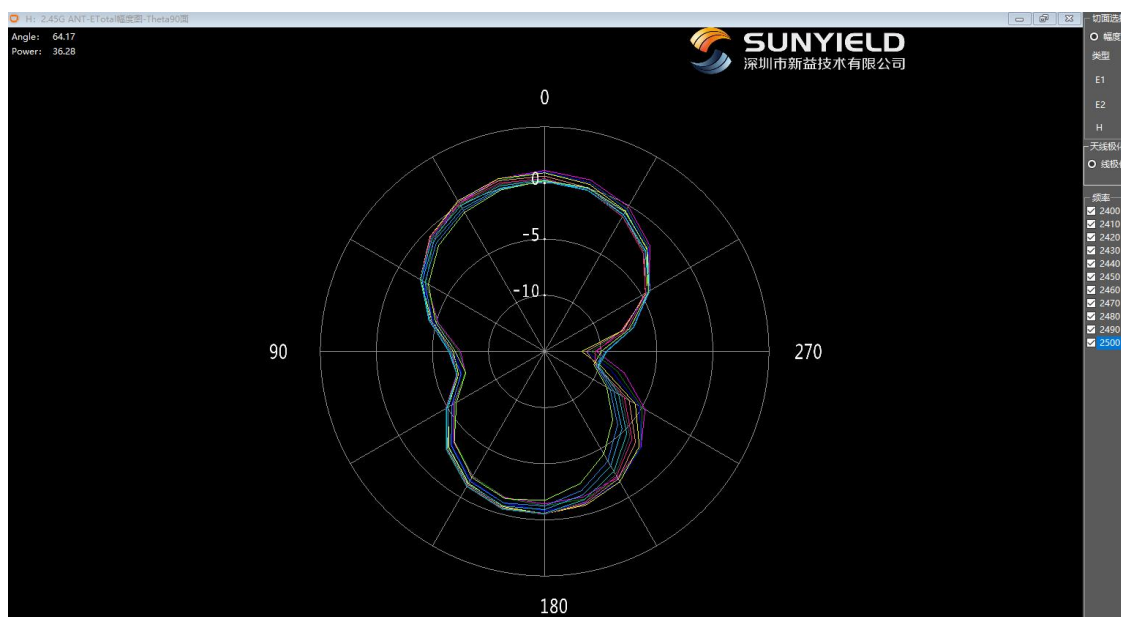
(2) 2400-2500MHz Y-Z Plane:

E Phi=90



(3) 2400-2500MHz X-Y Plane:

H Theta=90



(4) Typical Free Space 3D
Radiation Pattern at 2.45GHZ

