

Antenna Testing Report

Customer : YINGDA

Project Name : A500

Antenna Manufacturer: Sunnyway Technology(CHINA)

Address: The 6th floor, Building 5, Nantaiyun Innovation Valley Center,
Guangming District, Shenzhen City

Report version: February 24th, 2025 A0

Version	Report date	Remark
A0	2025.02.24	Antenna test report
A1		
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1.Record·····

2.Project Overview ·····

3.Equipment List·····

4. Antenna mounting position·····

5.Passive parameters ·····

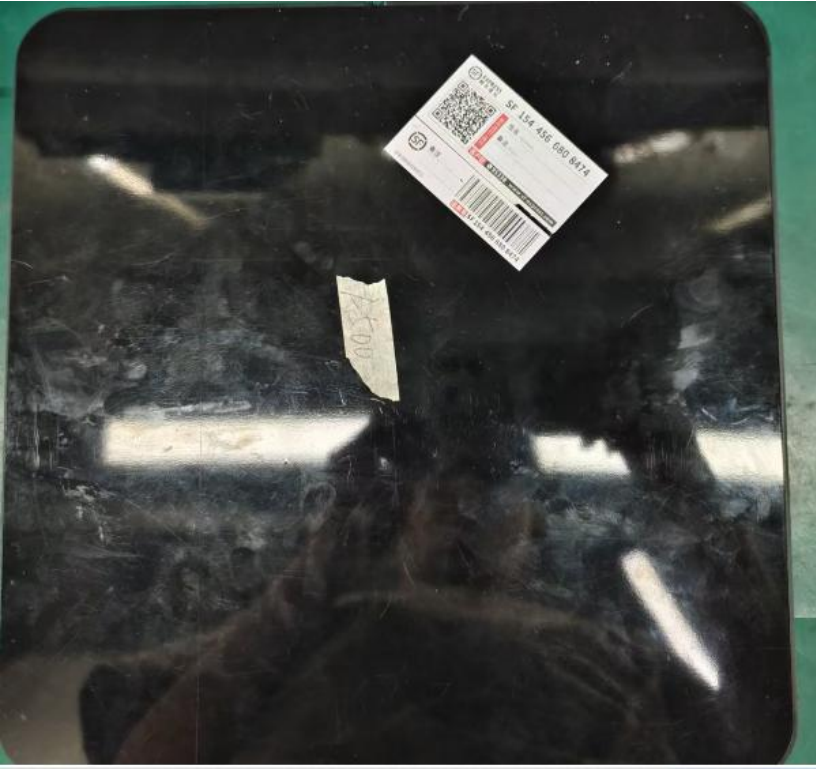
6.Project picture and test Device·····

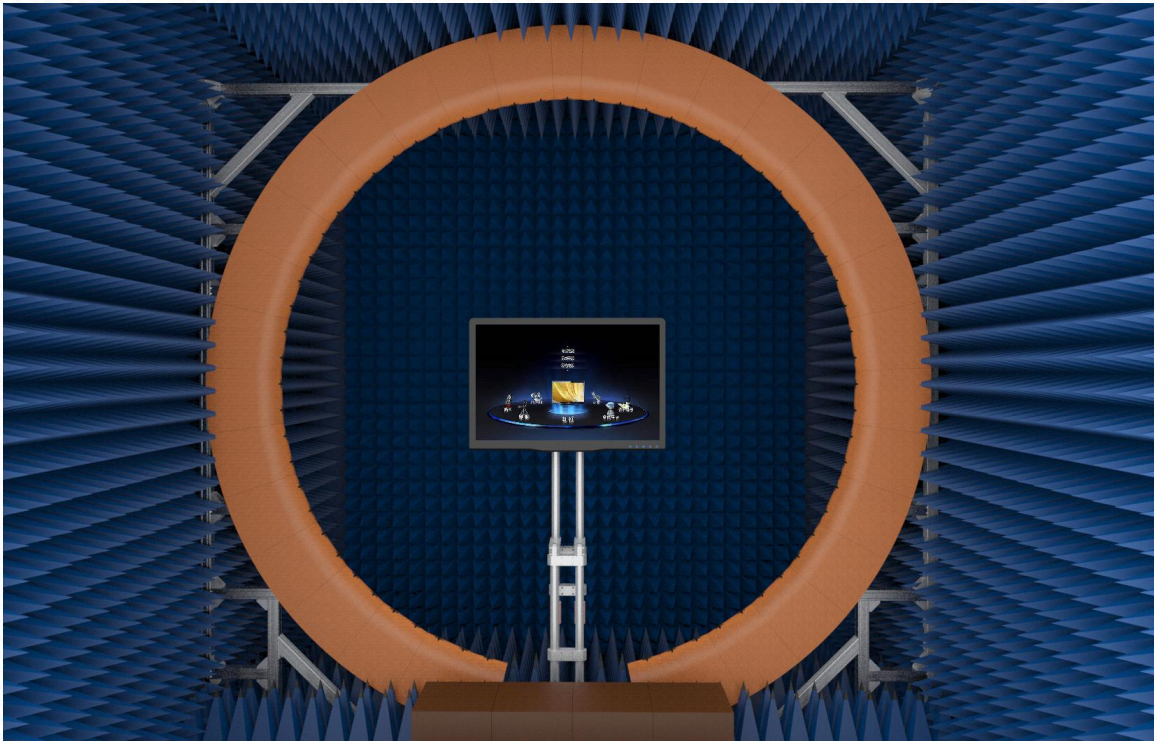
7.Passive efficiency and gain ·····

8.OTA test data ·····

9.Directiona pattern ·····

10.Summary·····

Prototype status	Debugging machine	Project pictures
Device type		
Number of antennas	1	
Frequency band	BT	
Structural style	FPC	
Environment adjustment	No change	
Matching modification	No change	



The industry's top 64 sensors OTA chamber

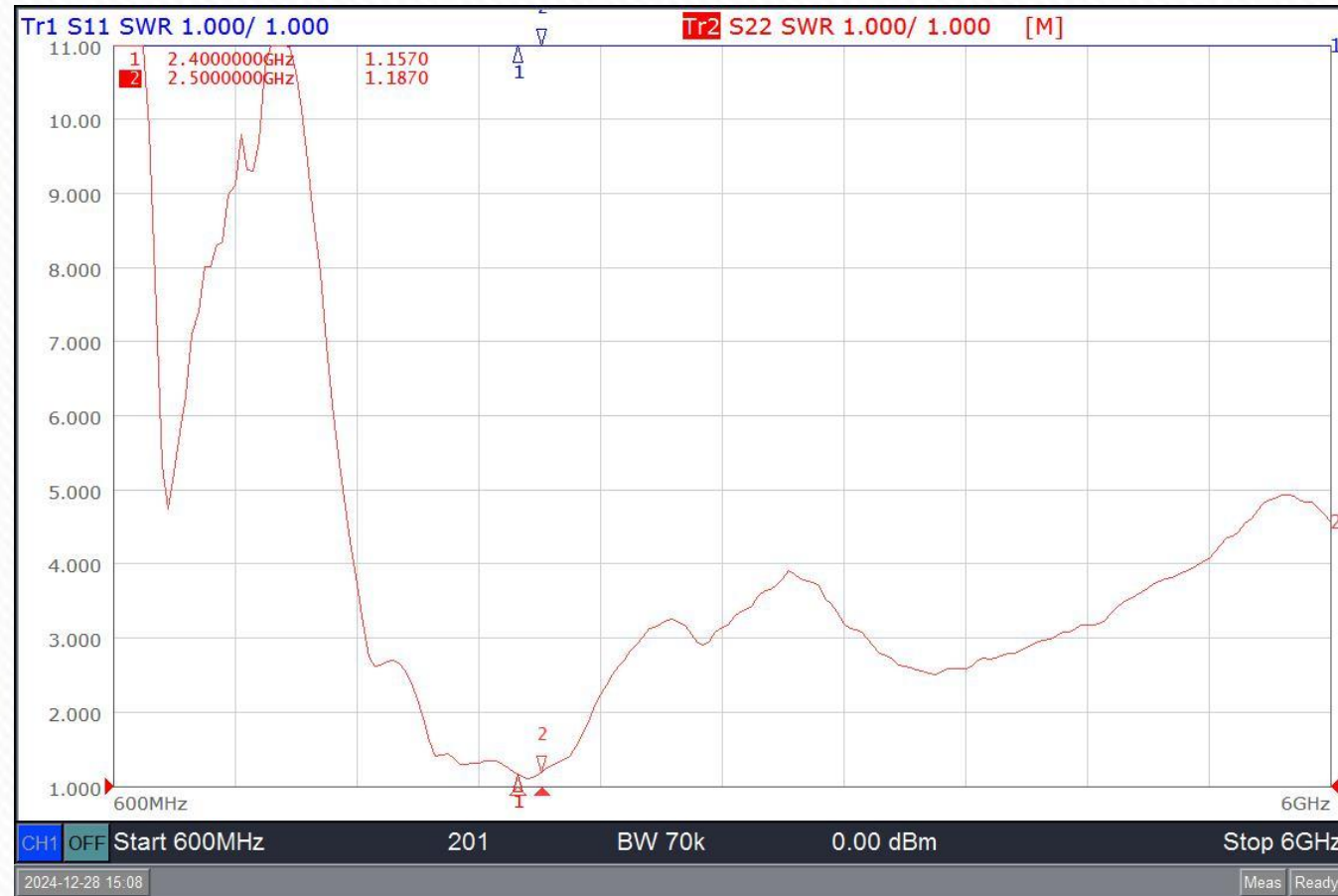
Frequency range: 400MHz-11GHz

Device Llimitation: 2M

Load-bearing limitation:100KG

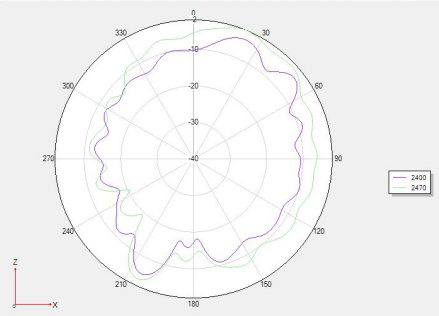
Equipments Items	Total Quantity	Quantity for Shanghai R&D	Quantity for Shenzhen R&D	Quantity for ChongQing R&D
OTA chamber	10	4	5	1
5G Tester (SP9500-CTS)	3	1	1	1
R&S Tester (high configuration CMW500)	6	3	2	1
Japan Anritsu Tester (Dual Channel 8820)	4	2	2	--
NB-IoT Tester (SP8315)	3	1	1	1
Agilent Tester (8960)	9	4	4	--
Agilent Network Analyzer (E5062A)	7	3	3	1
Agilent Network Analyzer (E5071C 8.5GHZ)	11	5	5	1
Agilent Network Analyzer (E5071B 8.5GHZ)	7	3	3	1
R&S Network Analyzer (ZND)	9	4	4	1
R&S Network Analyzer (ZVB)	3	1	1	1
OTA head hand / ear hand / arm hand	5	2	2	1
GPS/WIFI active test equipment	5	2	2	1

VSWR

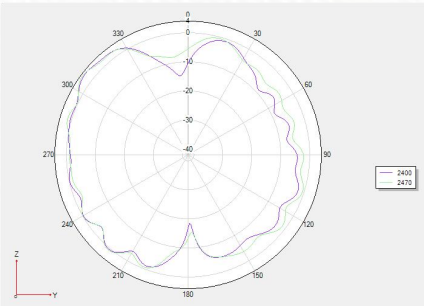


Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	3.04	49.81
2410	2.93	48.72
2420	2.14	48.21
2430	2.46	48.67
2440	2.51	49.41
2450	2.94	47.73
2460	2.82	48.41
2470	3.25	49.69
2480	3.17	49.57
2490	3.42	49.93
2500	3.46	49.46

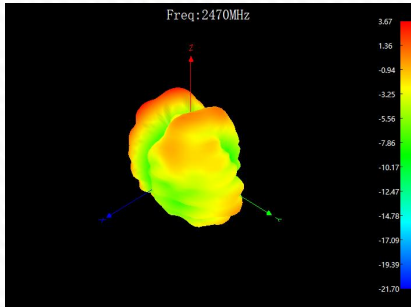
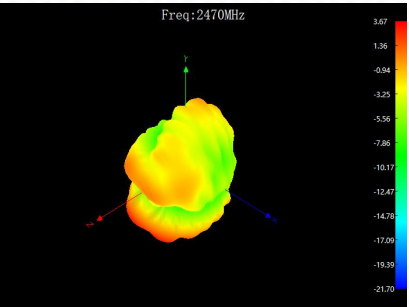
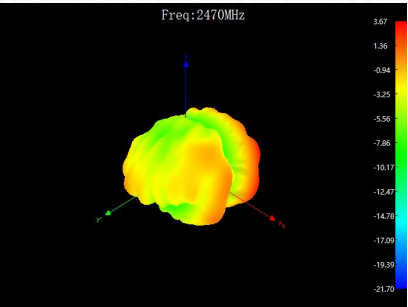
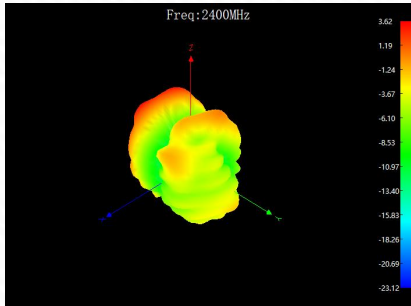
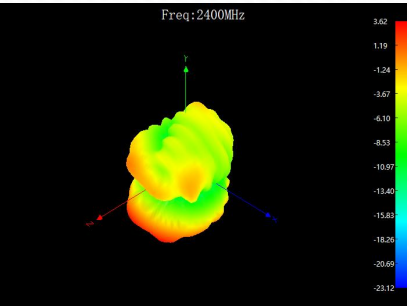
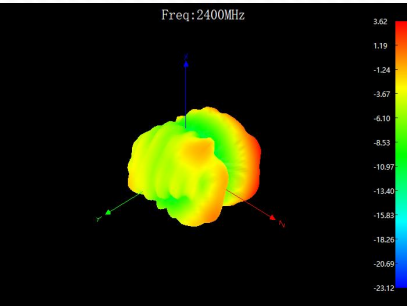
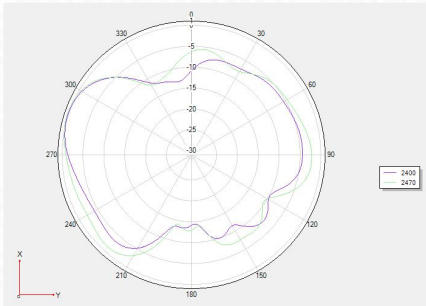
phi 0°



phi 90°



theta 90°



1. The antenna matching is not changed.
2. The antenna environment is not increased.
3. The antenna performance test is OK.

Thank You

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