

Antenna Testing Report

Customer : Shenzhen Aiper Intelligent Technology Co., Ltd.

Project Name: x9

Report version : 2024. 11. 4 A0

Version	Report date	Remark
A0	2024.11.4	Antenna test report
A1		
A2		
A3		
A4		
A5		
A6		
A7		
A8		
A9		

1.Record	
2.Project Overview	
3.Equipment List	
4. Antenna mounting position	
5.Passive parameters	
6.Passive efficiency and gain	
7.OTA test data	
8.Directionality pattern	
9.Summary	

Prototype status	Debugging machine	Project pictures:
Device type		
Number of antennas	1PCS	
Frequency band		
	WIFI/BT:2.4GHZ/5.8GHZ	
Structural style	Plastic rod antenna	
Environment adjustment	NO Change made	
Matching modification	NO Change made	



The industry's top 64 sensors OTA chamber

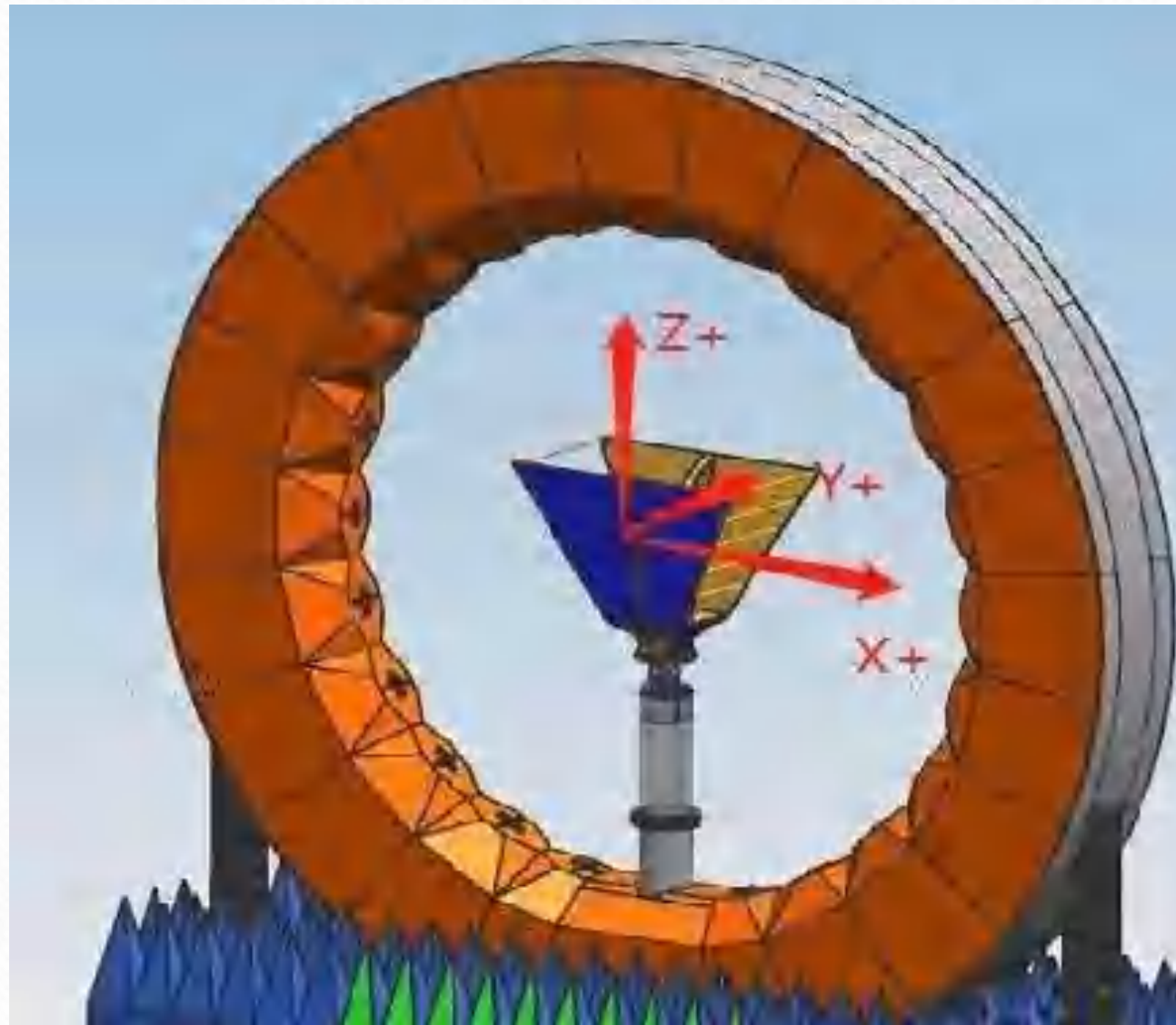
Frequency range: 400MHz-11GHz

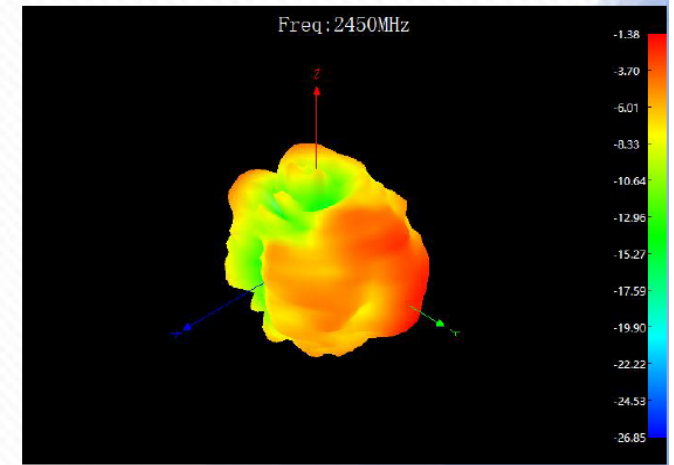
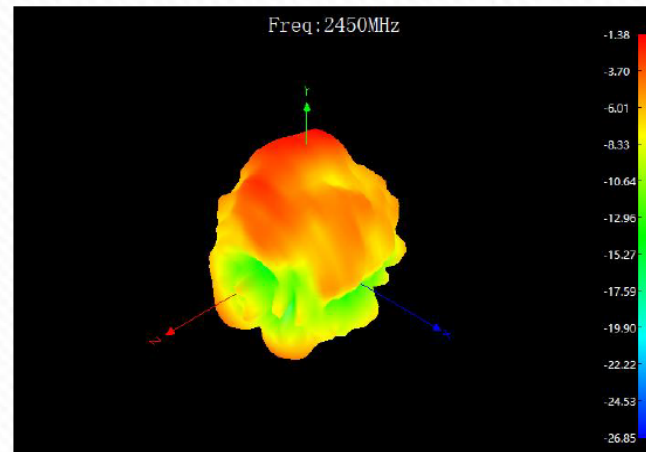
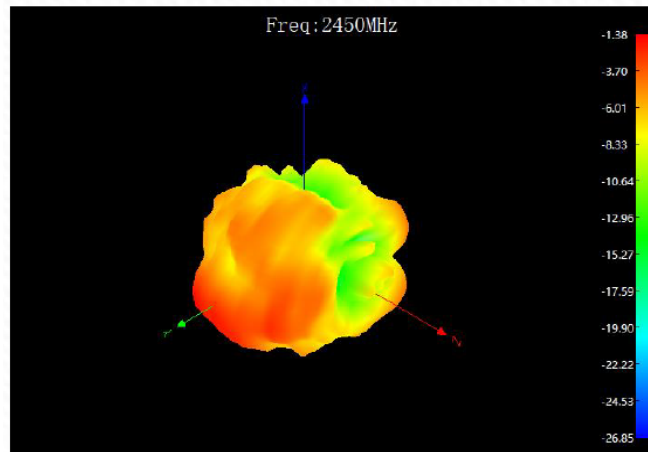
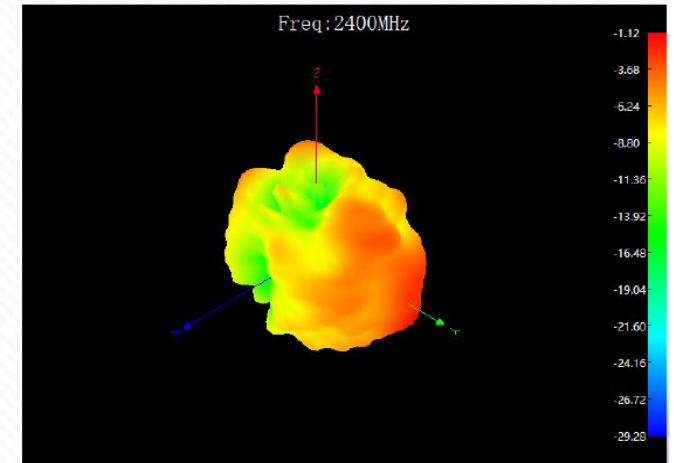
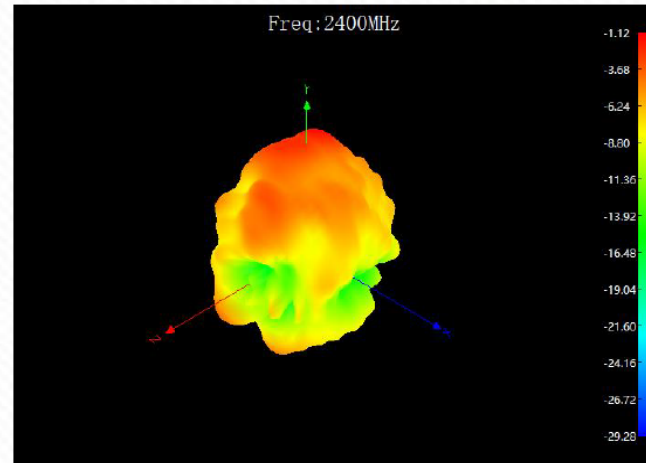
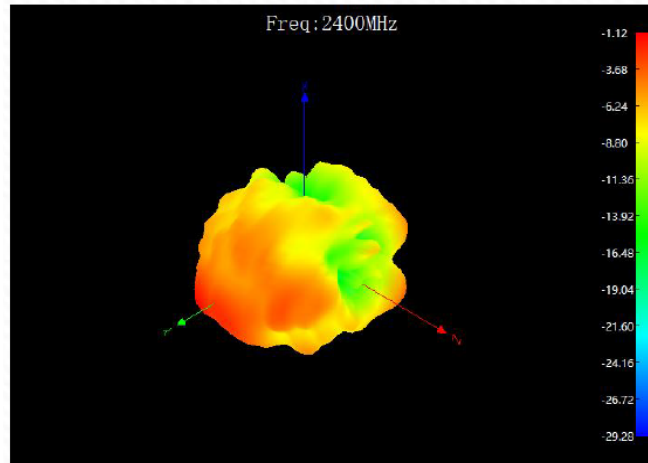
Device Limitation: 2M

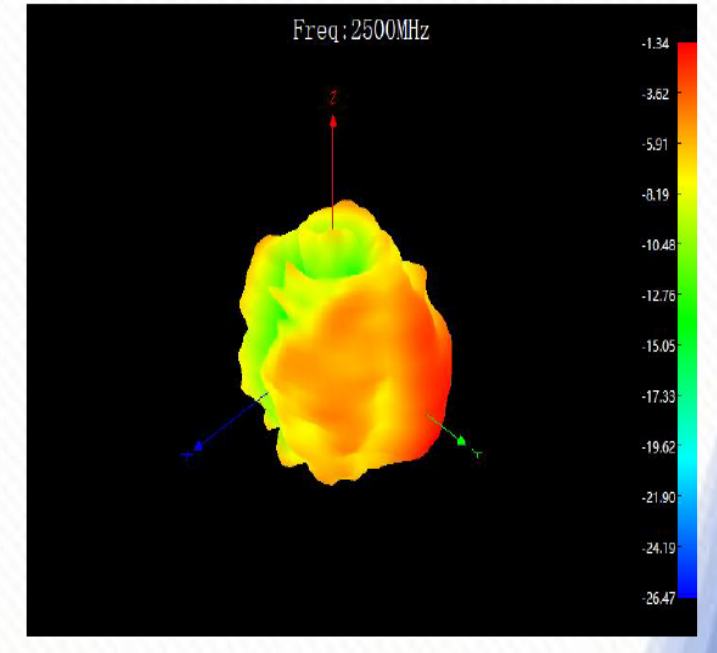
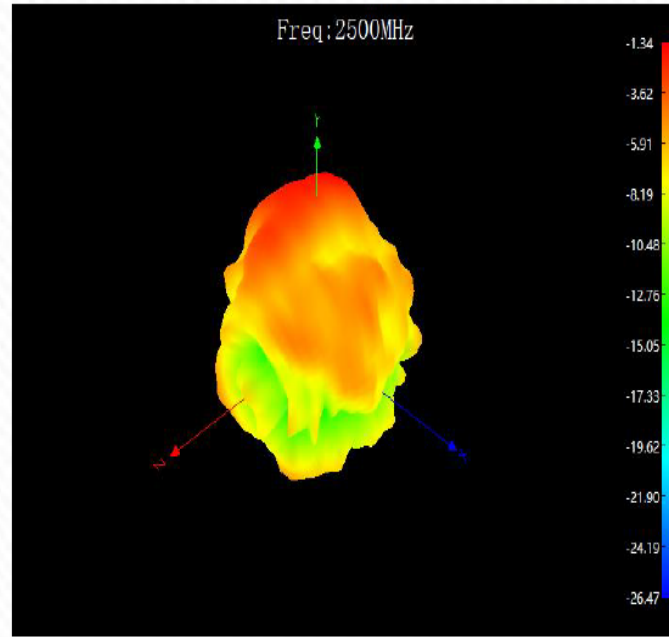
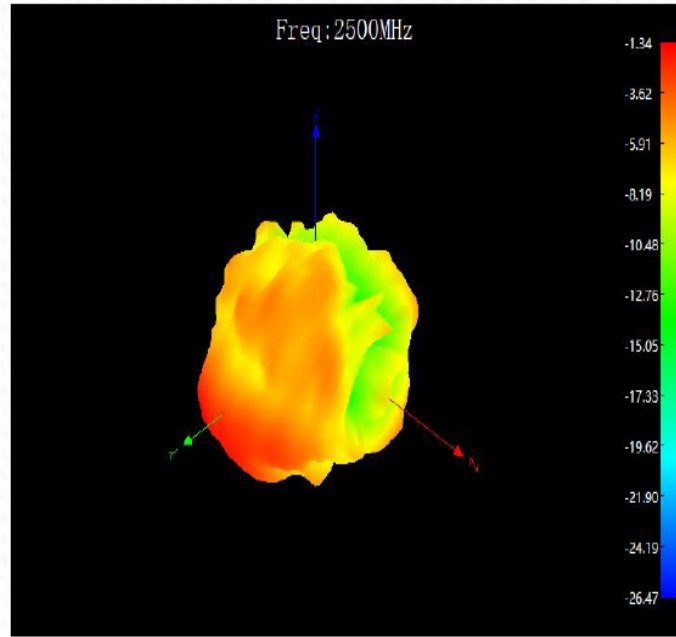
Load-bearing limitation:100KG

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

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	35.24	-1.12
2410	35.24	-1.88
2420	37.33	-1.15
2430	35.32	-1.83
2440	36.39	-1.75
2450	36.81	-1.38
2460	35.08	-1.94
2470	36.48	-1.47
2480	33.5	-1.86
2490	33.81	-1.84
2500	34.12	-1.34







1. Latest machine test data.
2. There are changes to the match.

Thank You

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

ChongQing R&D Center: 1F, ARM Ecological Industrial Park, 19 East Datugu Road, Xiantao, Yubei District, Chongqing, 401120, PRC

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