

ANTENNA REPORT

Manufacture: huaweixi Electronic

Product Name: AERIS Antenn

Antenna Type: PCB

Test Date: 2024.02.20

Tested by: Jing Jing Huang

Approved by: Jian Fang Li

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1.General Description

Manufacturer	Shenzhen Huawelxi Electronic Technology Co.,ltd
Address	3rd and 4th floors, Building C, Xindetong Science and Technology Park, No. 8 Chuangye San Road, Jiangbian Community, Songgang Street, Bao'an District, Shenzhen City, Guangdong Province.
Test Location	609, 6th Floor, Building 3, Private Enterprise Science and Technology Park, No. 65 Lishan Road, Nanshan District, Shenzhen
Product Name	AERIS Antenn
Product model	AERIS
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

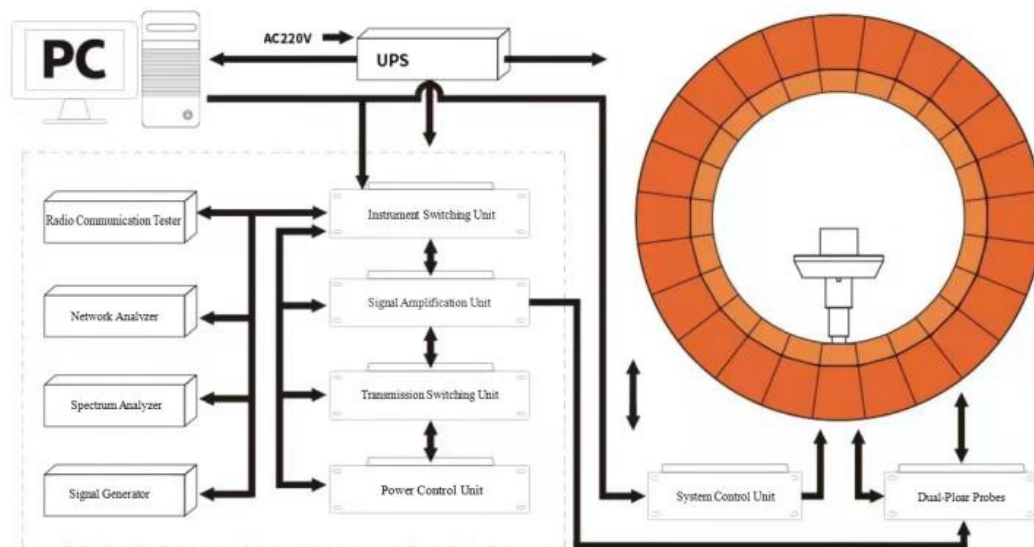
2.1 Test Environment

Temperature (°C)	25
Humidity (%RH)	60
Atmospheric Pressure (kPa)	100.5

2.2 Test Equipment

Test System	General Test-RayZone 1800
Test Instrument	E5071C

2.3 Test Principle



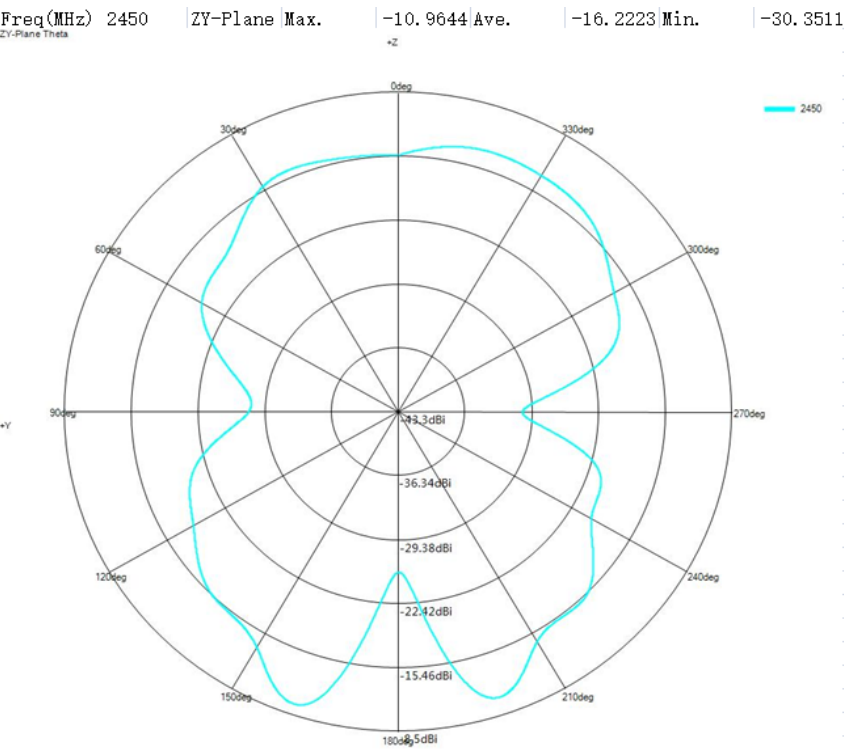
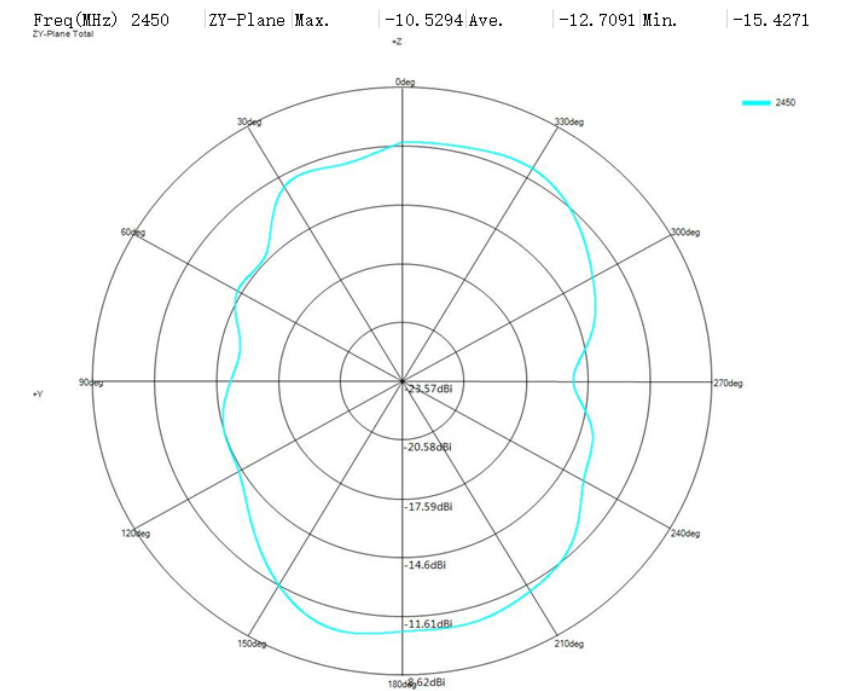
3. Test Results

3.1 Gain and Efficiency

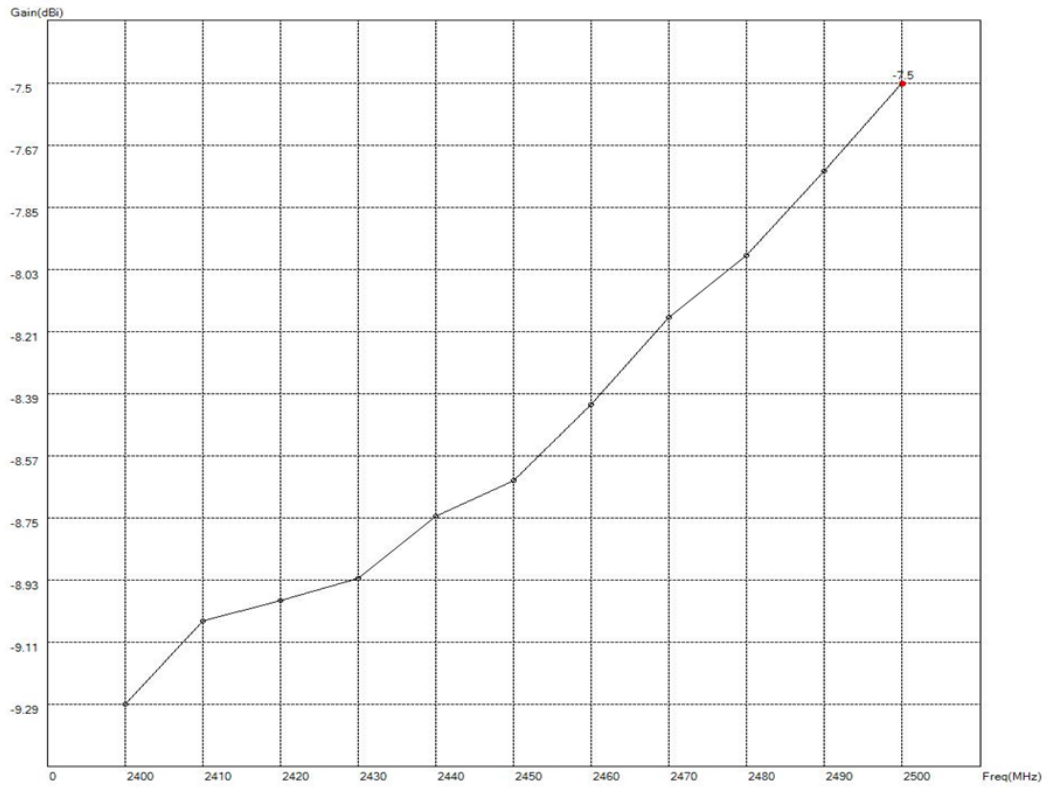
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-9.2	5. 348
2410	-9.05	5. 570
2420	-8.99	5. 665
2430	-8.92	5. 692
2440	-8.74	5. 874
2450	-8.64	6. 007
2460	-8.42	6. 227
2470	-8.17	6. 544
2480	-7.99	6. 791
2490	-7.75	7. 180
2500	-7.50	7. 622

3.2 Radiation Pattern

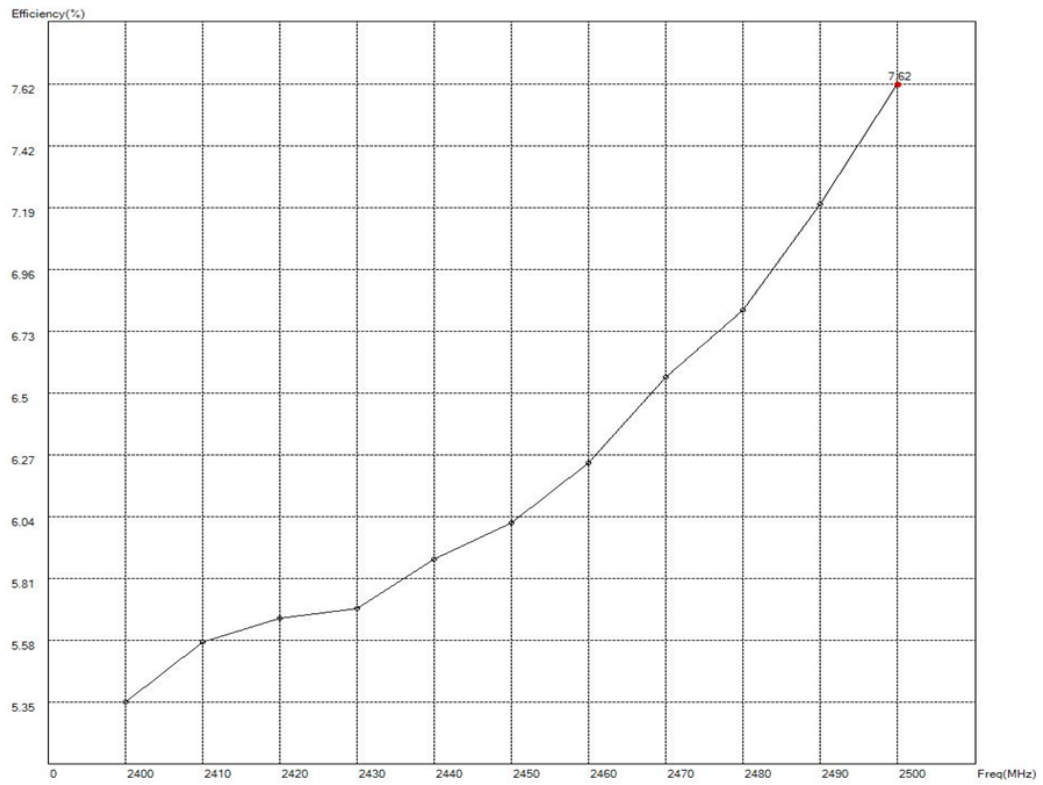
2D Plot



Gain-Plane

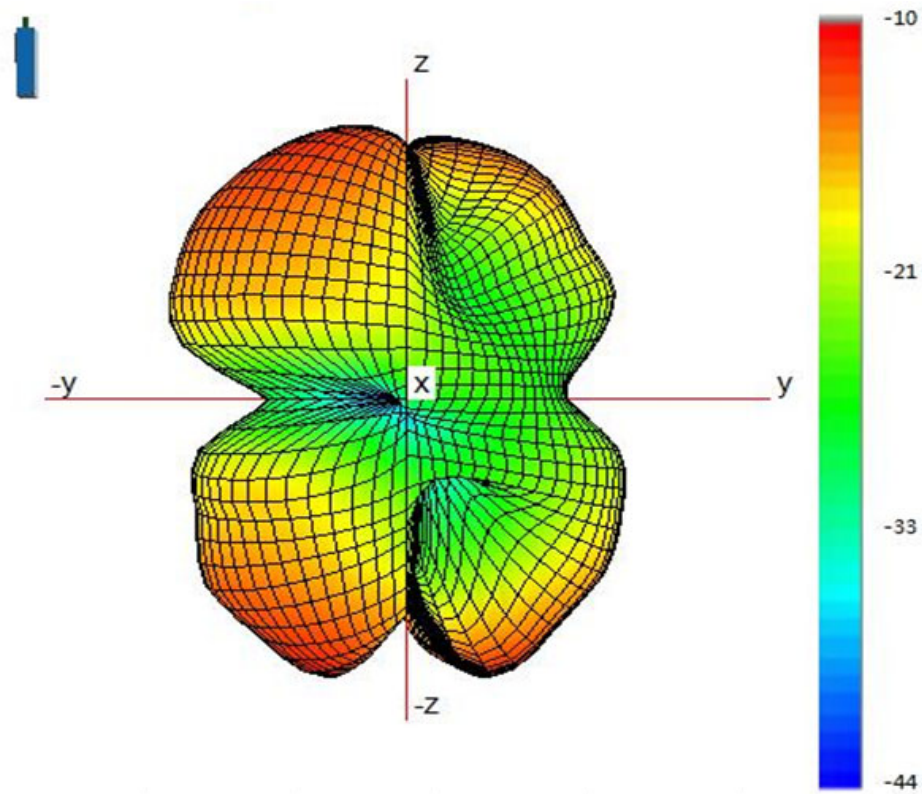


Efficiency-Plane

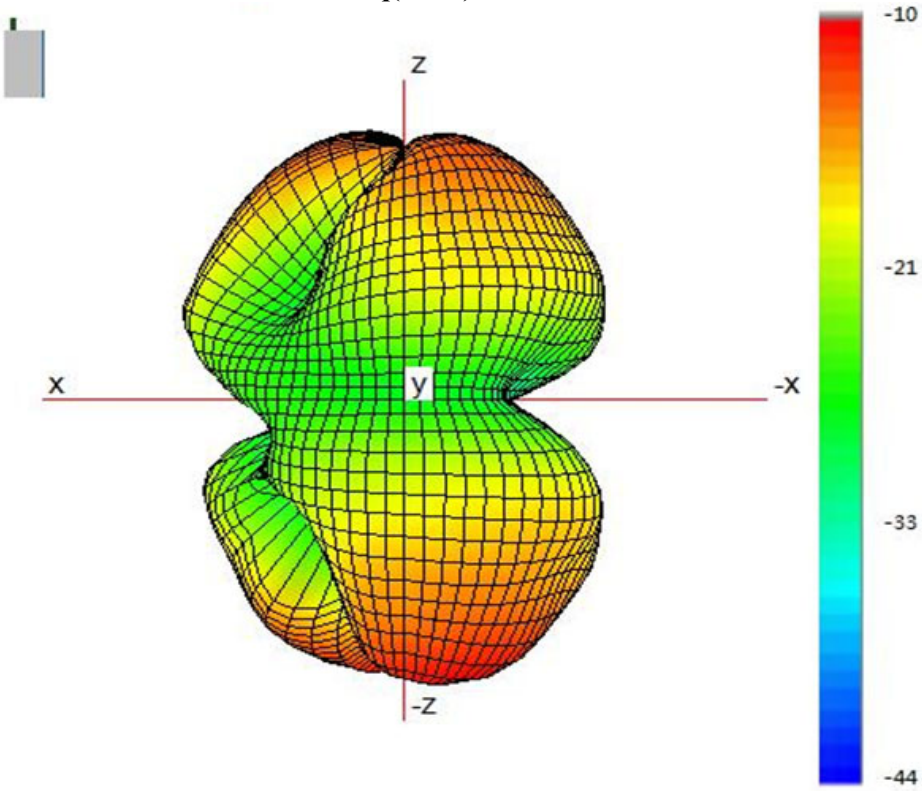


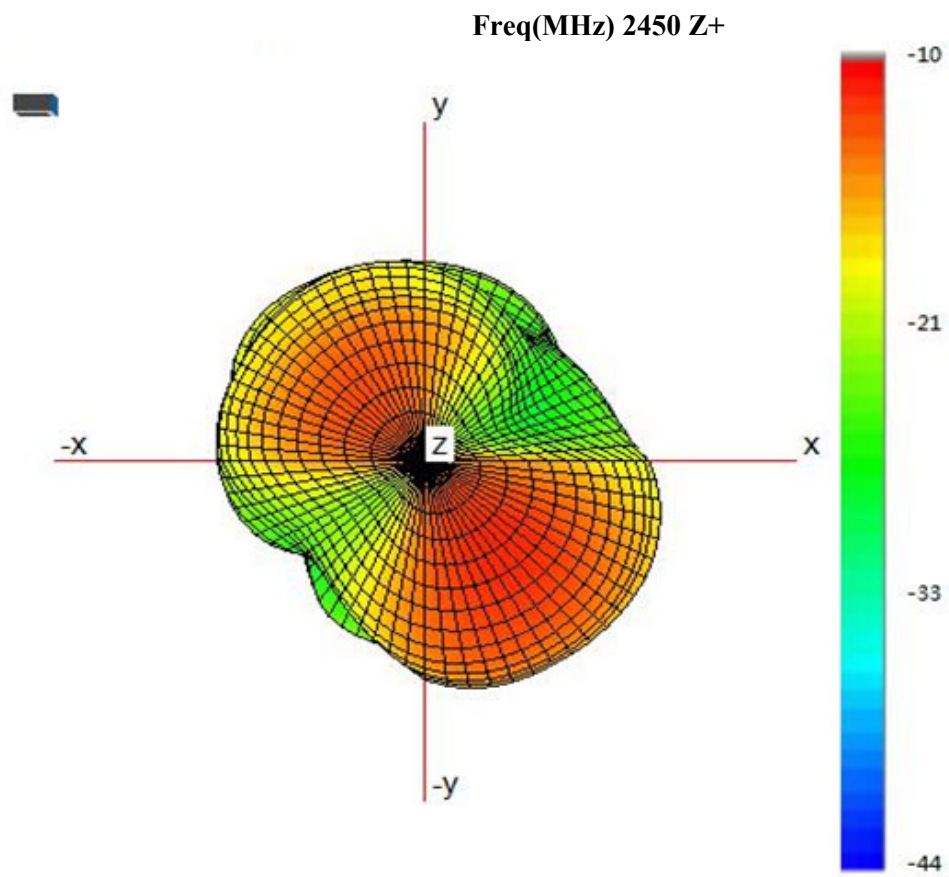
3D Plot

Freq(MHz) 2450 X+

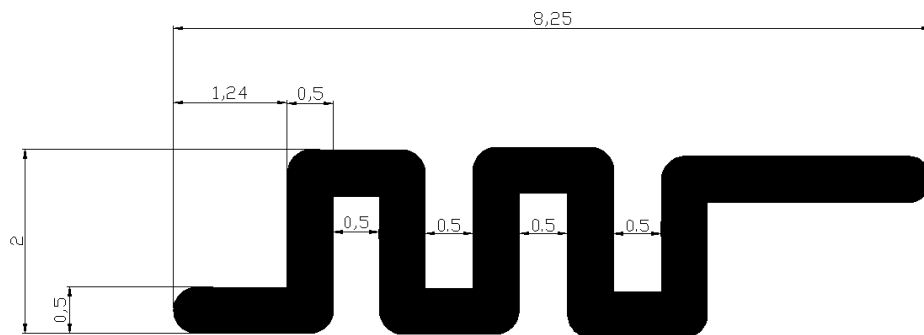


Freq(MHz) 2450 Y+



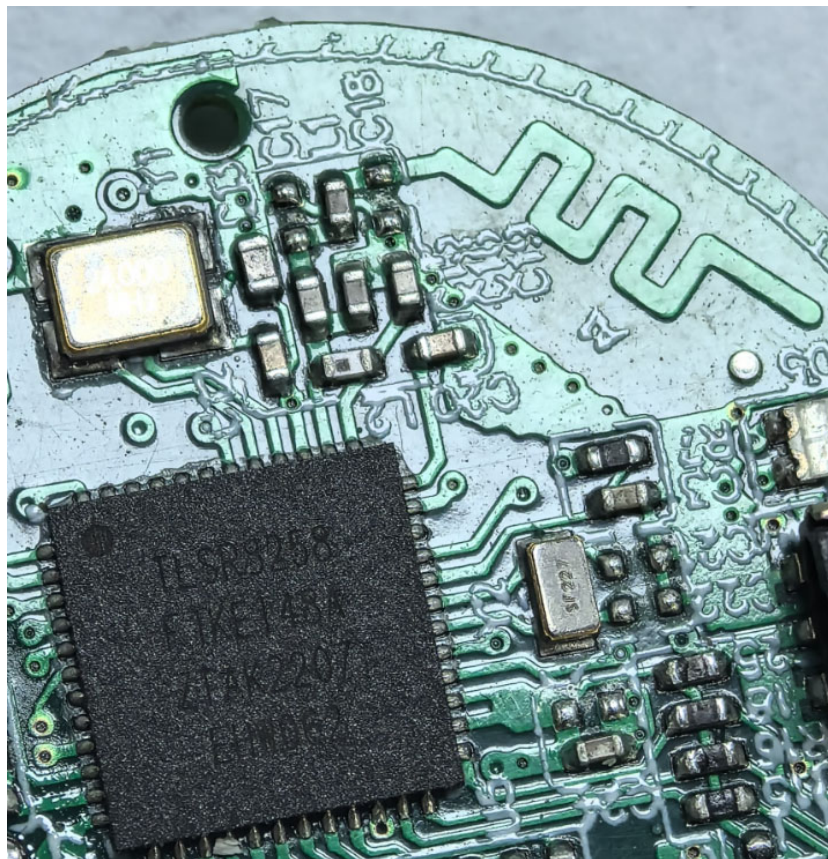


4. Antenna Dimensions



单位: mm
unit

5. EUT Photo



6. Test Setup Photo

