
Antenna Specification

Manufacture: ShenZhen Aiqc Technology Co.,Ltd

Product Name: A103 Antenna

Antenna Type: PCB Antenna

Test Date: 2024.03.05

Tested by: Nan Chen

Approved by: Yvonne

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1.General Description

Manufacturer	ShenZhen Aiqc Technology Co.,Ltd
Address	401B, Building E, Rongfeng Factory, Second Industrial Zone, Dafapu Community, Bantian Street, Longgang District, Shenzhen China
Product Name	A103 Antenna
Product model	A103
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

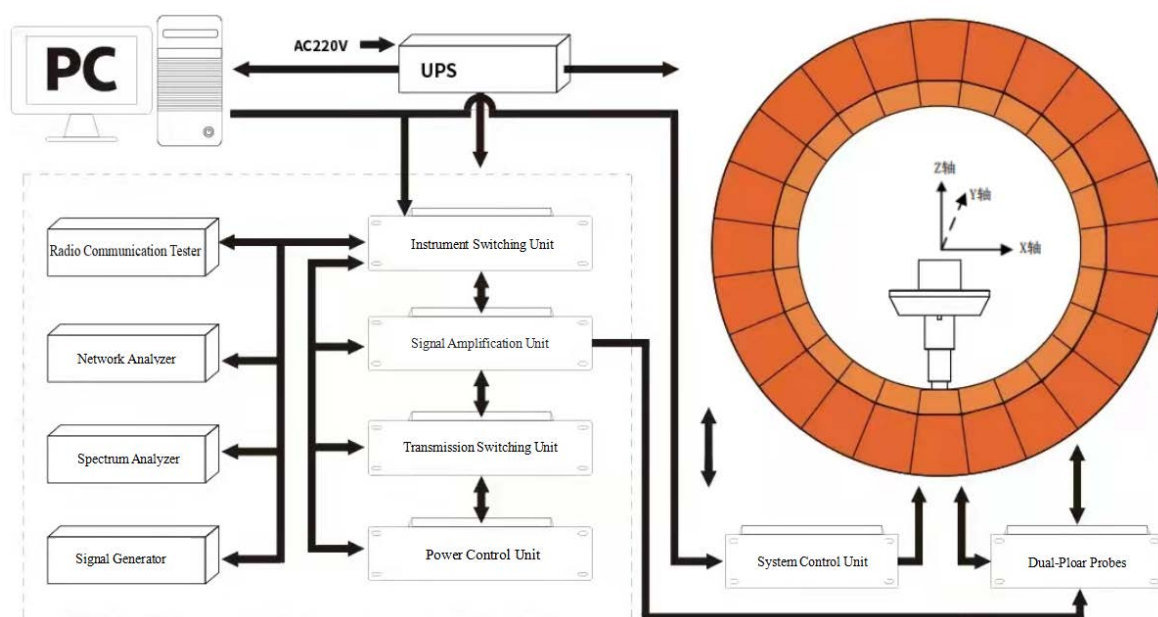
2.1 Test Environment

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

2.2 Test Equipment

Test System	TEM 24 Multi-probe Microwave Chamber
Test Instrument	Agilent E5071B

2.3 Test Principle



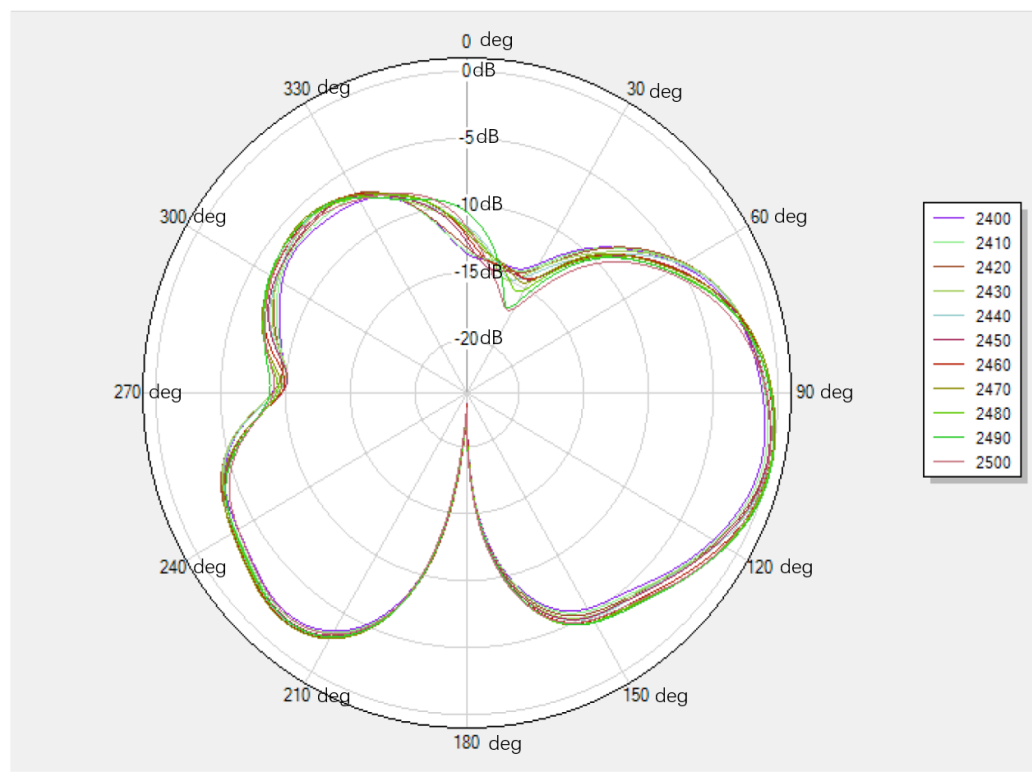
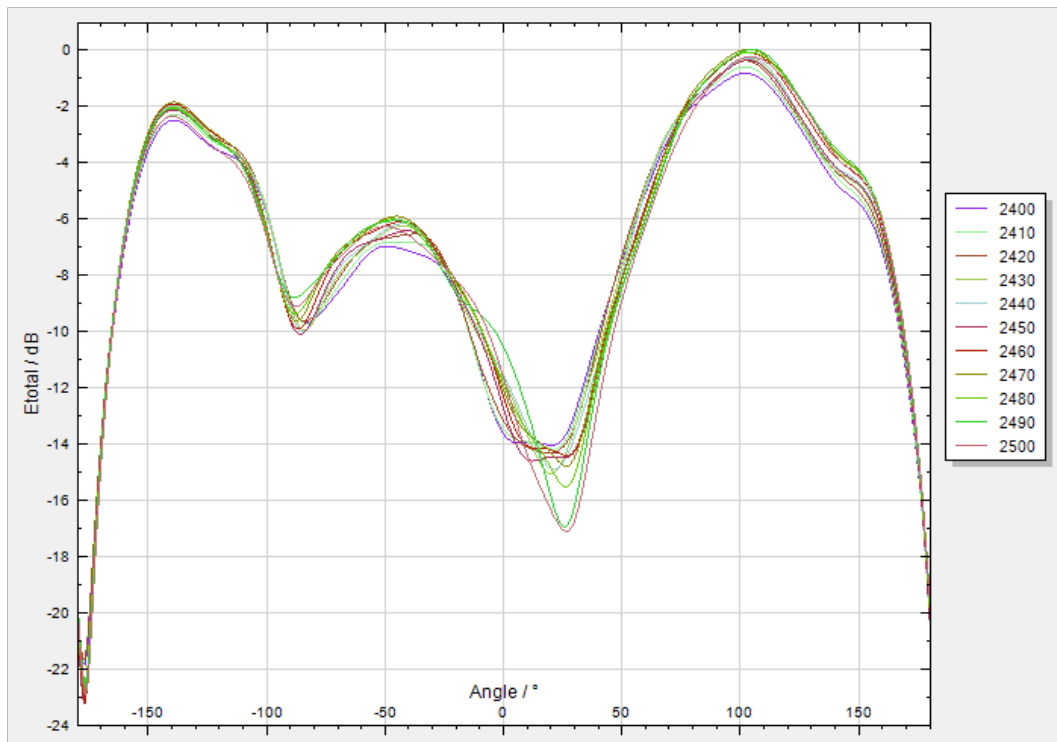
3.Test Results

3.1 Gain and Efficiency

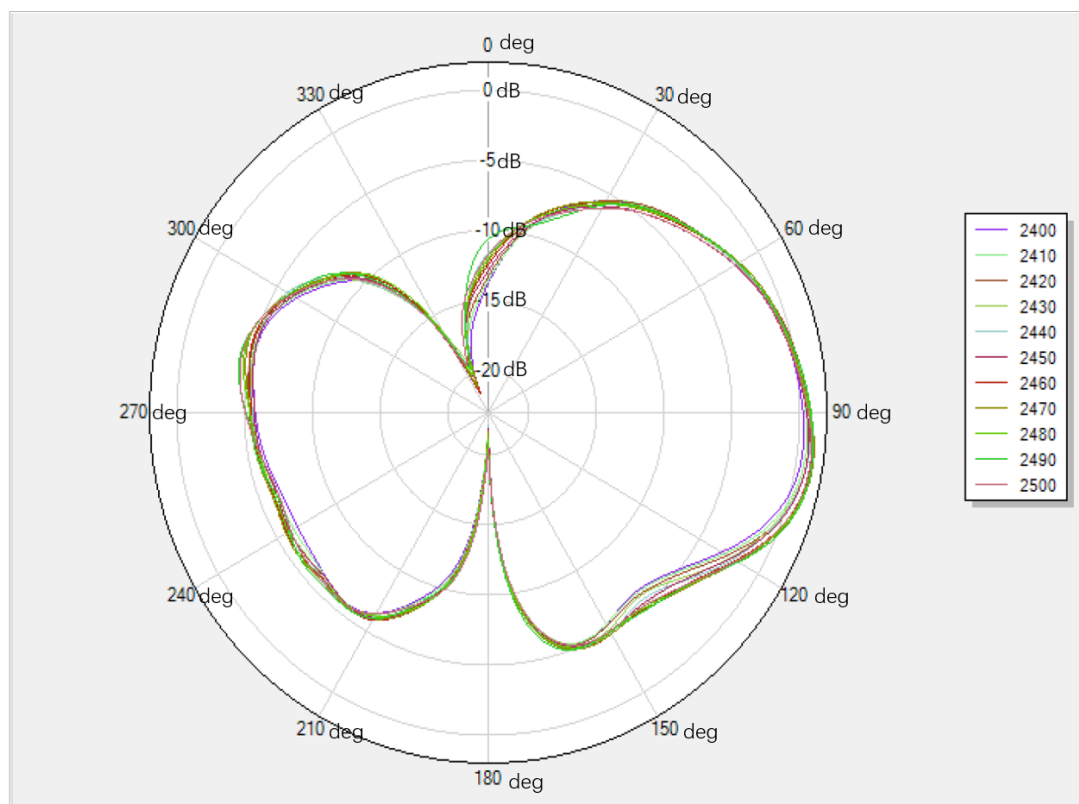
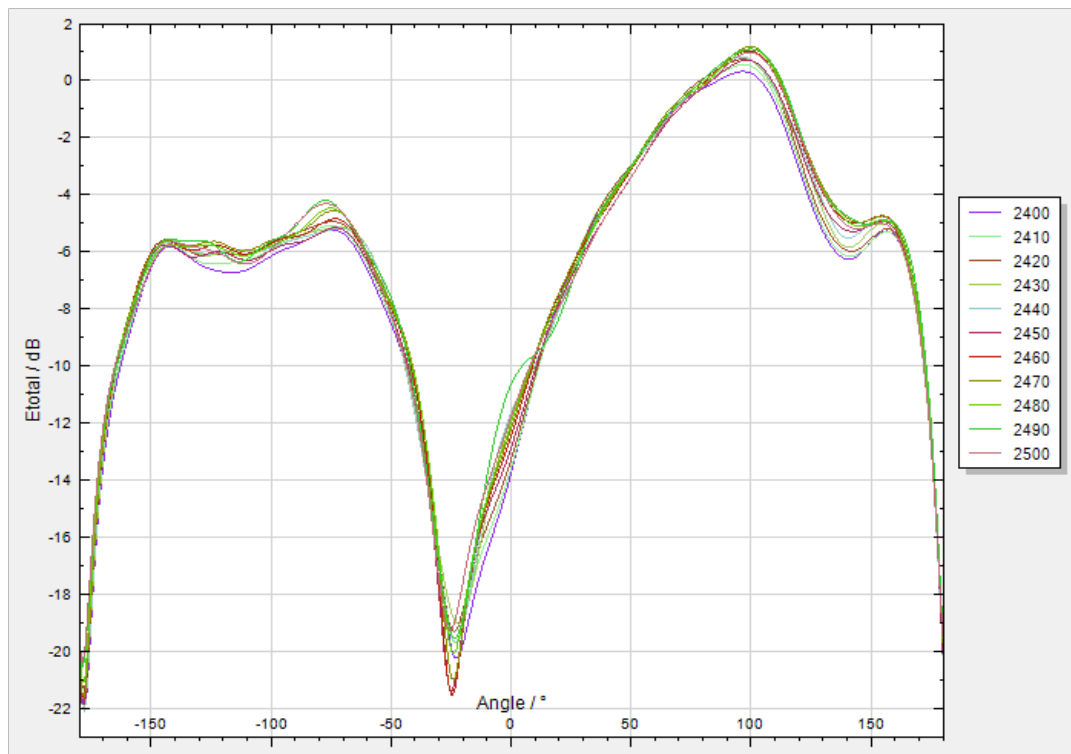
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	0.46	44.36
2410	0.71	45.71
2420	0.92	45.92
2430	0.91	45.6
2440	0.95	45.6
2450	0.93	45.29
2460	1.27	46.45
2470	1.37	46.88
2480	1.25	47.21
2490	1.24	46.67
2500	1.05	44.87

3.2 Radiation Pattern

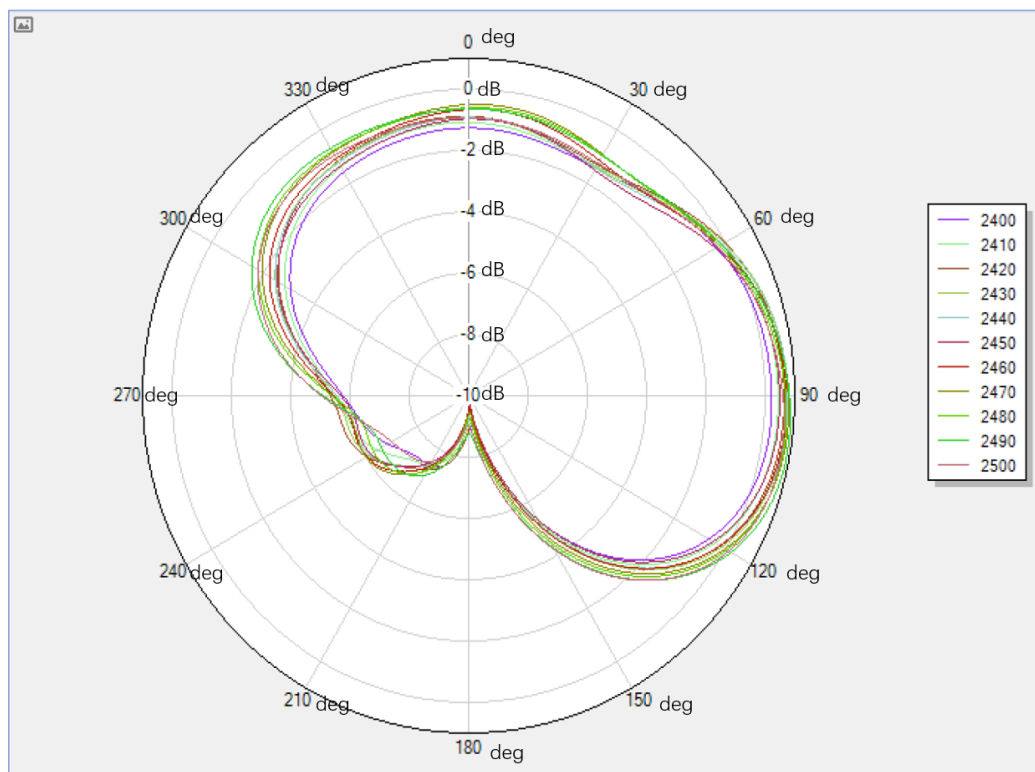
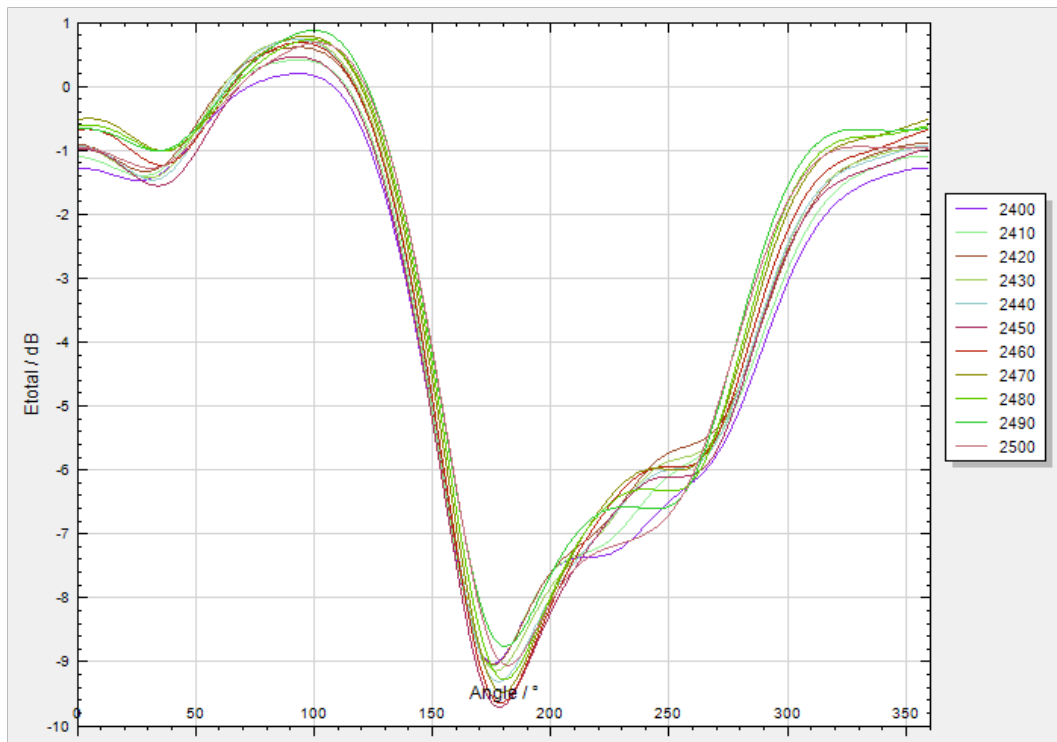
Phi 0



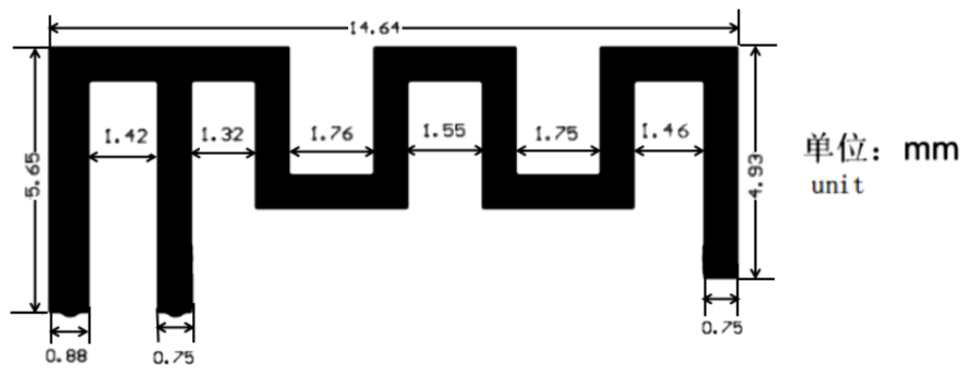
Phi 90



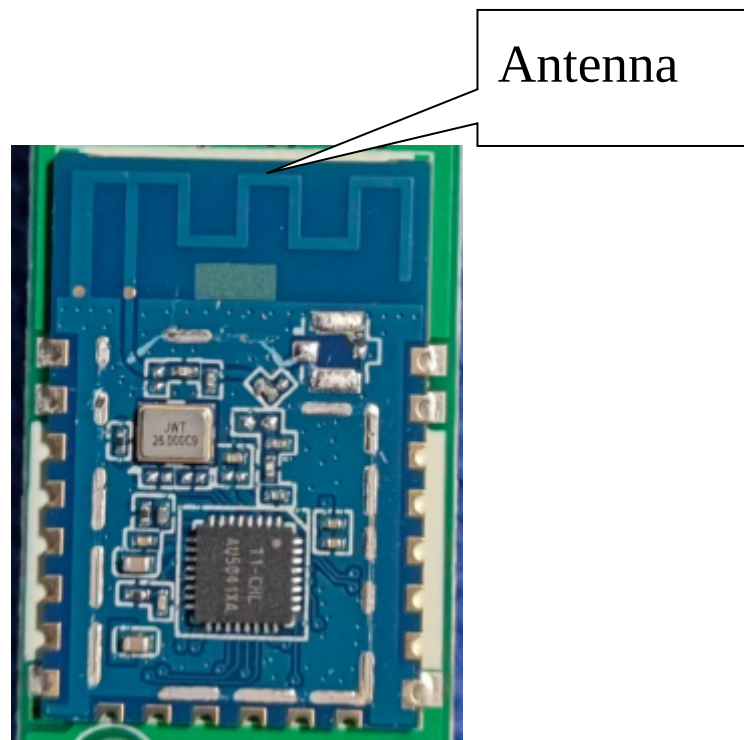
Theta 90



4. Antenna Dimensions



5. EUT Photo



6.Test Setup Photo

