

Antenna Specification

Manufacture: EQUES

Product Name: EQ211 (VM5) Antenna

Antenna Type: PCB

Test Date: 2025.06.24

Tested by: Zhentao Bai

Approved by: Loke chen

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1. General Description

Manufacturer	EQUES Technology Co.,Ltd
Address	Room 210, Building A, No. 4200 Huimin Road, Minhang District, Shanghai, China
Test Location	Room 601,Building 1,No.69 Yuanfeng Road,Baoshan District,Shanghai ,China
Product Name	EQ211(VM5) Antenna
Product model	EQ211
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2. Test Configurations

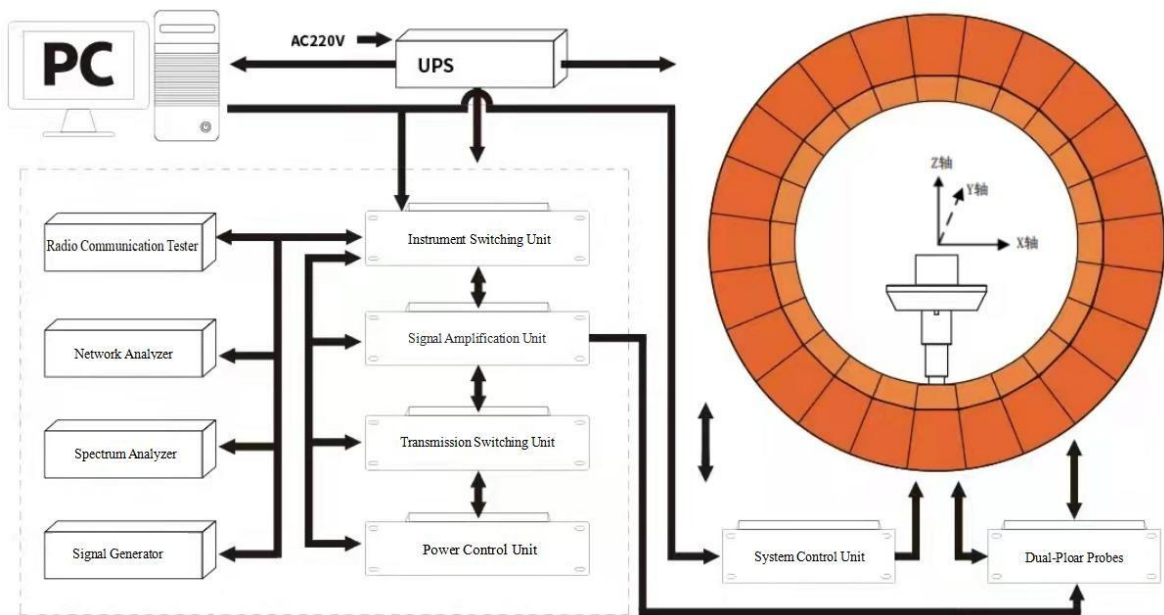
2.1 Test Environment

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



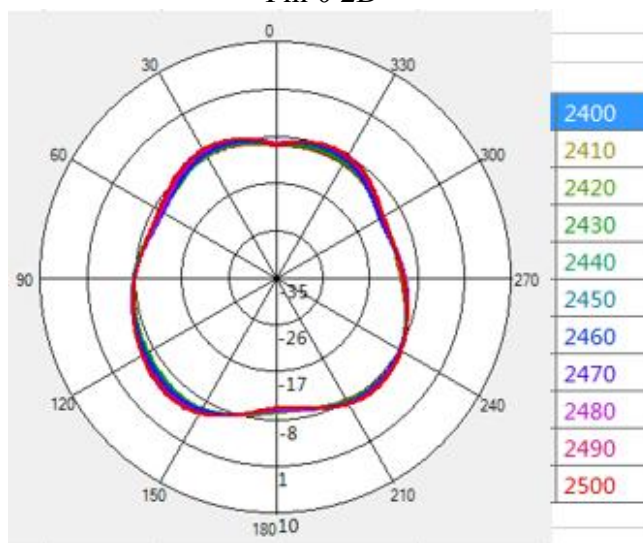
3. Test Results

3.1 Gain and Efficiency

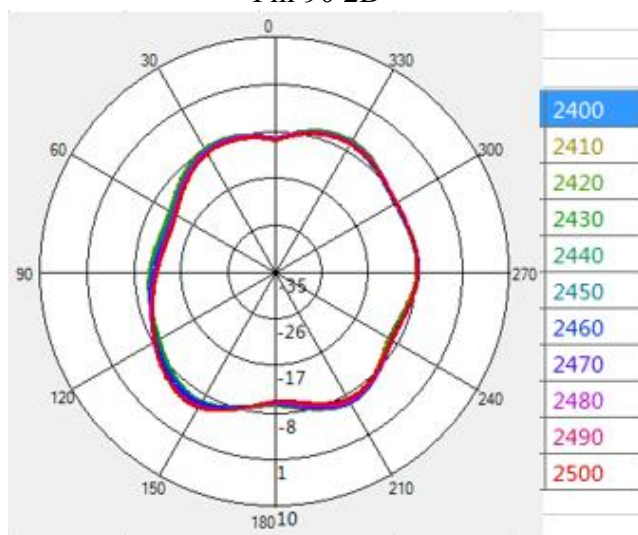
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-5.11	14.55
2410	-4.98	14.97
2420	-4.89	15.08
2430	-4.95	14.77
2440	-4.84	15.24
2450	-4.92	15.33
2460	-5.13	14.84
2470	-4.88	15.66
2480	-4.88	16.17
2490	-4.8	16.16
2500	-4.7	16.35

3.2 Radiation Pattern

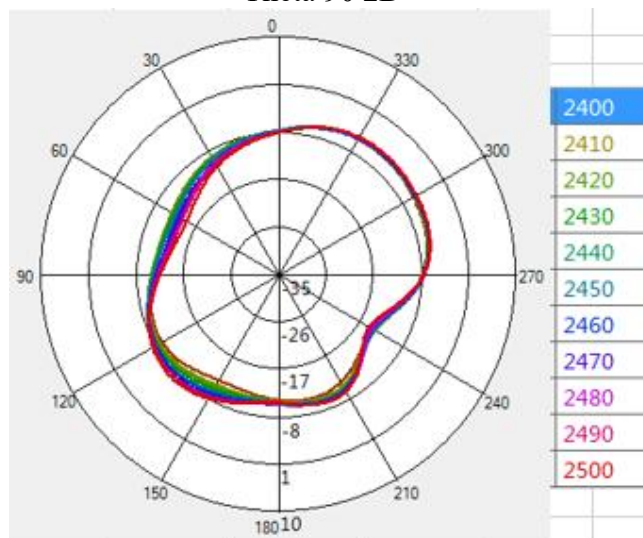
Phi 0 2D



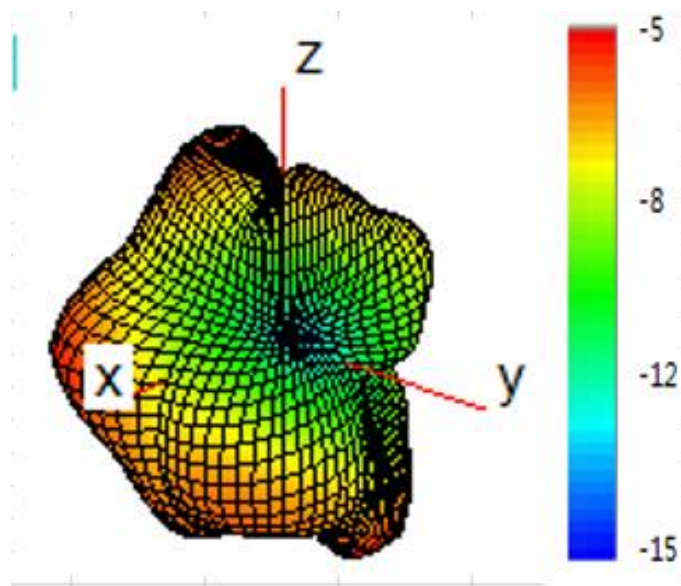
Phi 90 2D



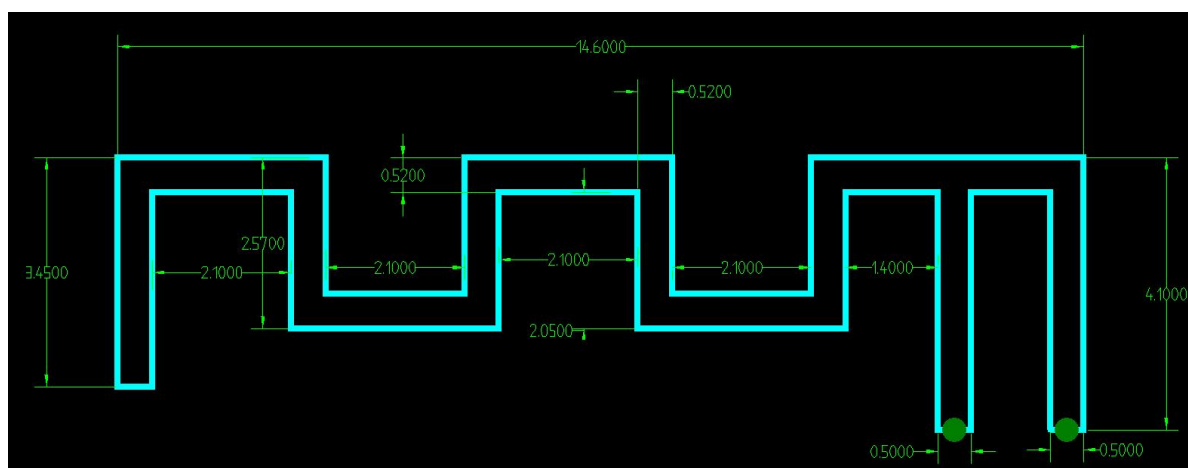
Theta 90 2D



2440MHz 3D

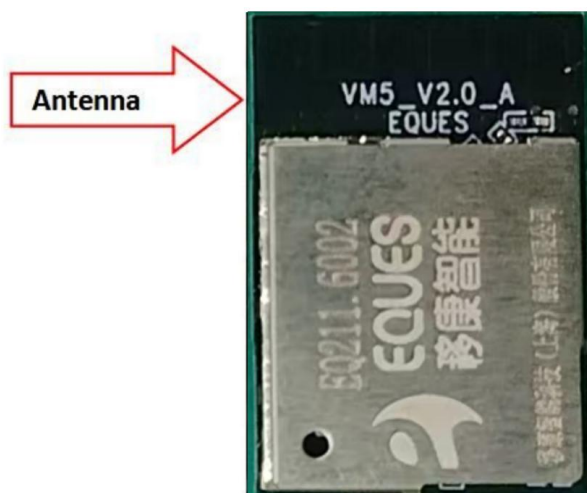


4. Antenna Dimensions



单位: mm

5. EUT Photo



6. Test Setup Photo

