

2.4GHZ ANTENNA SPECIFICATION AND TESTING REPORT

Manufacturer: Shenzhen Baishi Video Technology Co., Ltd

Tests Performed: Shenzhen Fujing Electronic Technology Co., Ltd.

Product Name: 2.4G.SLZB.PCB.WFBT Antenna

Antenna Type: PCB Antenna

Test Date: 15 September 2024

Tested by: Fenji Xu

Approved by: Jinfeng Wang

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1. General Description

Manufacturer	Shenzhen Baishi Video Technology Co., Ltd.
Manufacturer's address	Building 4, CangqianJinfuyuan, Nanxin Road, Nanshan District, Shenzhen, China
Tests performed by	Shenzhen Fujing Electronic Technology Co., Ltd.
Test location	638, Building B, Phoenix Innovation Valley, No. 258, Xingye 1st Road, Bao'an District, Shenzhen
Product name	2.4G.SLZB.PCB.WFBT Antenna
Product model	2.4G.SLZB.PCB.WFBT
Antenna type	PCB Antenna
Test parameters	Gain; Efficiency; Radiation Pattern
Test frequency	2400-2500MHz
Test standard	ANSI/IEEE Std 149-1979

2. Test Configurations

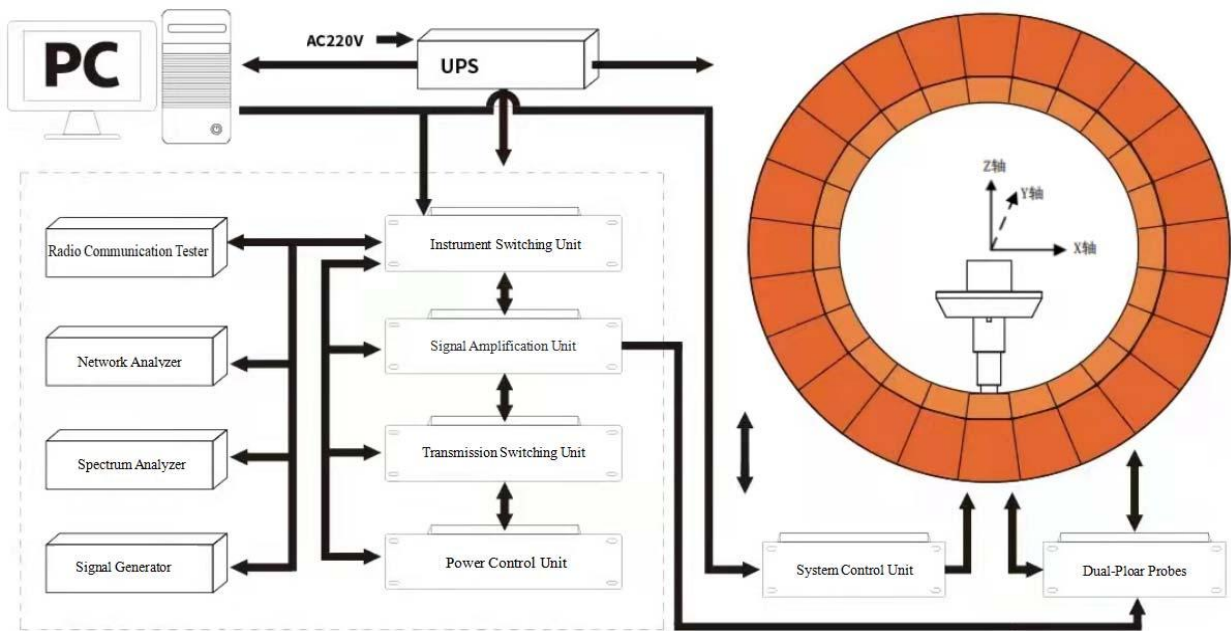
2.1. Test Environment

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



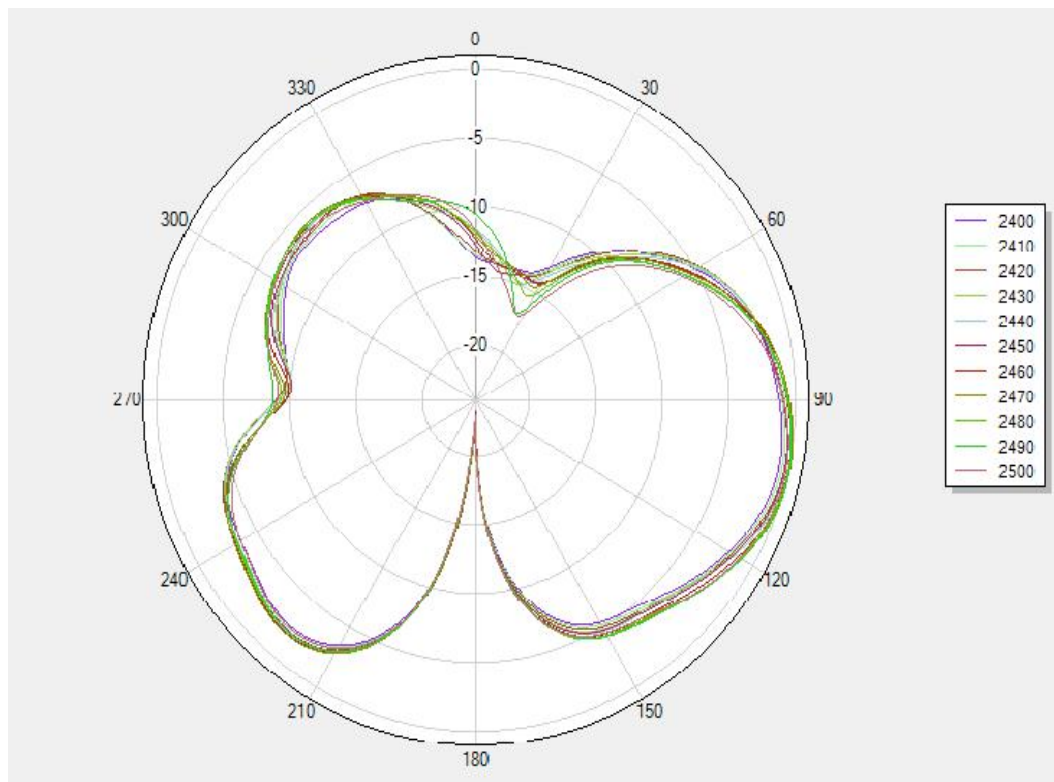
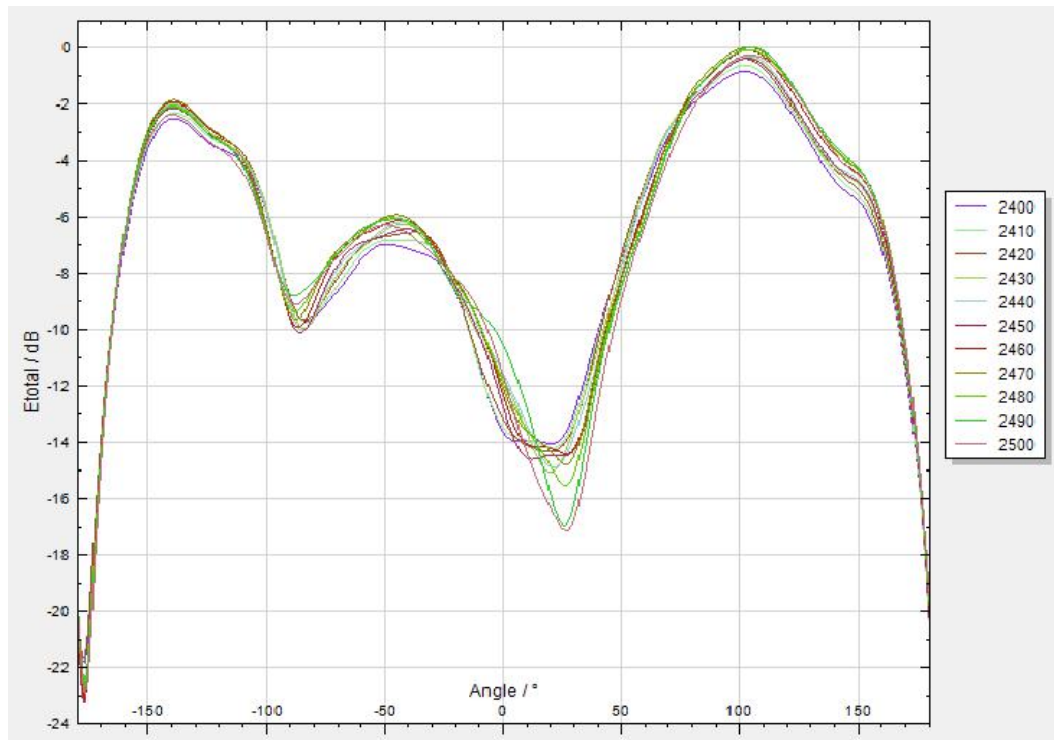
3. Test Results

3.1. Gain and Efficiency

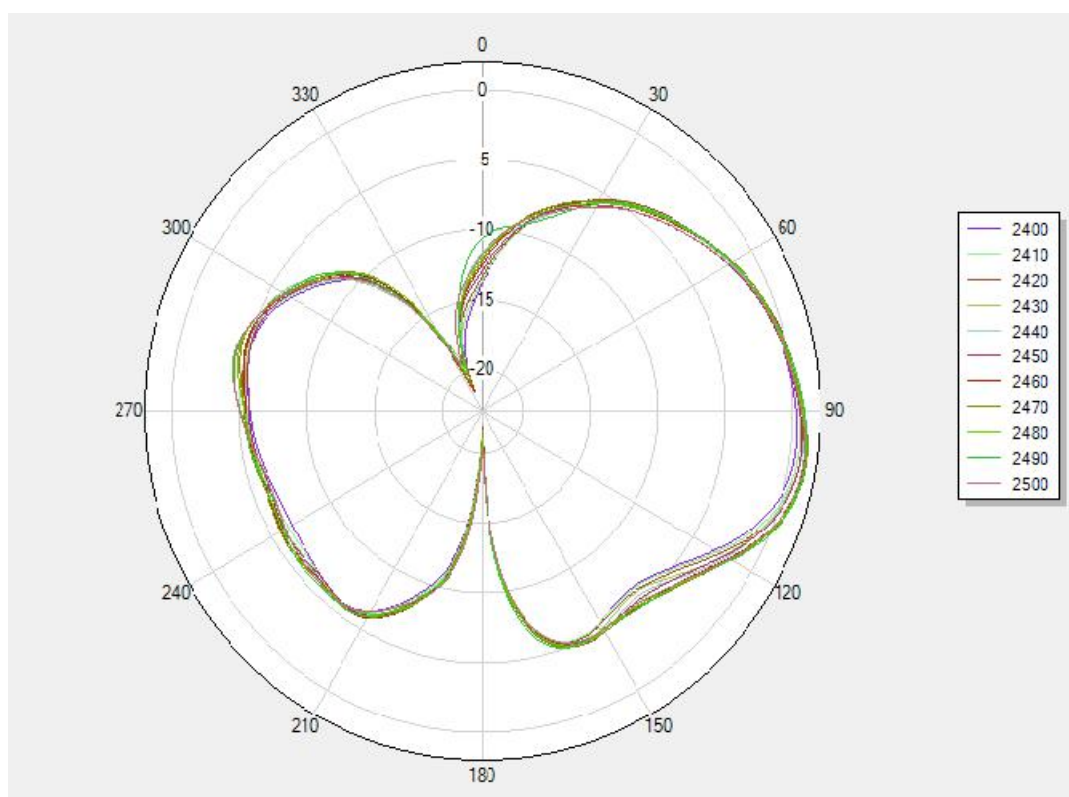
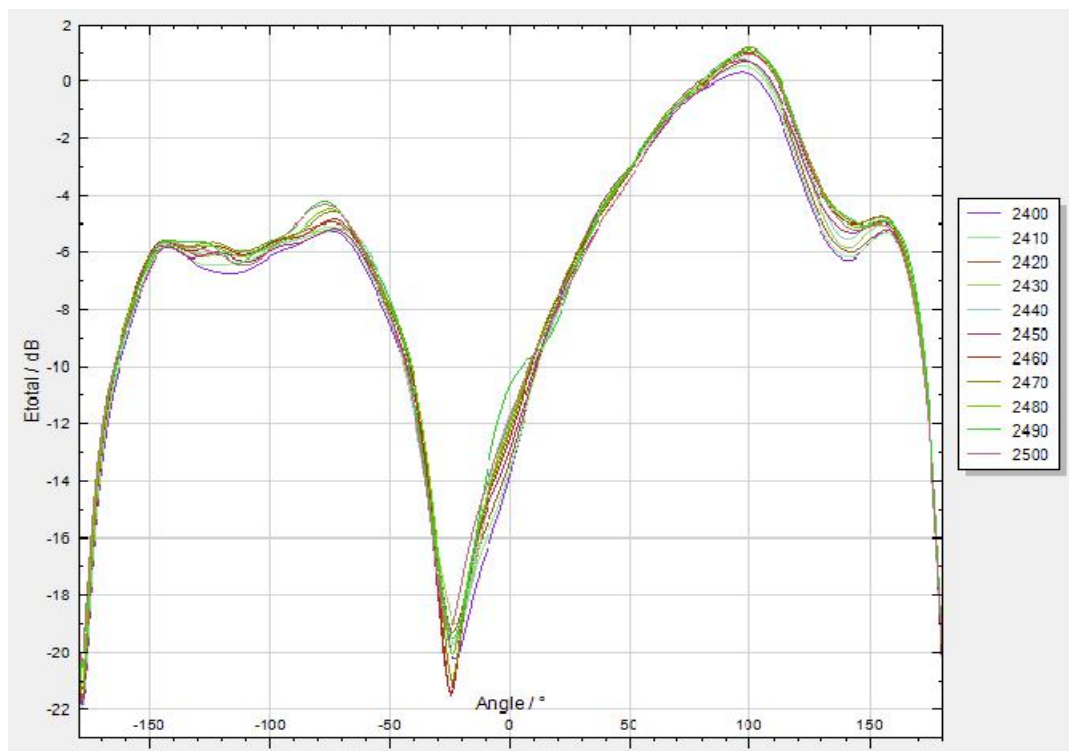
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	0.46	44.36
2410	0.71	45.71
2420	0.92	45.92
2430	0.91	45.6
2440	0.95	45.6
2450	0.93	45.29
2460	1.27	46.45
2470	1.37	46.88
2480	1.25	47.21
2490	1.24	46.67
2500	1.05	44.87

3.2. Radiation Pattern

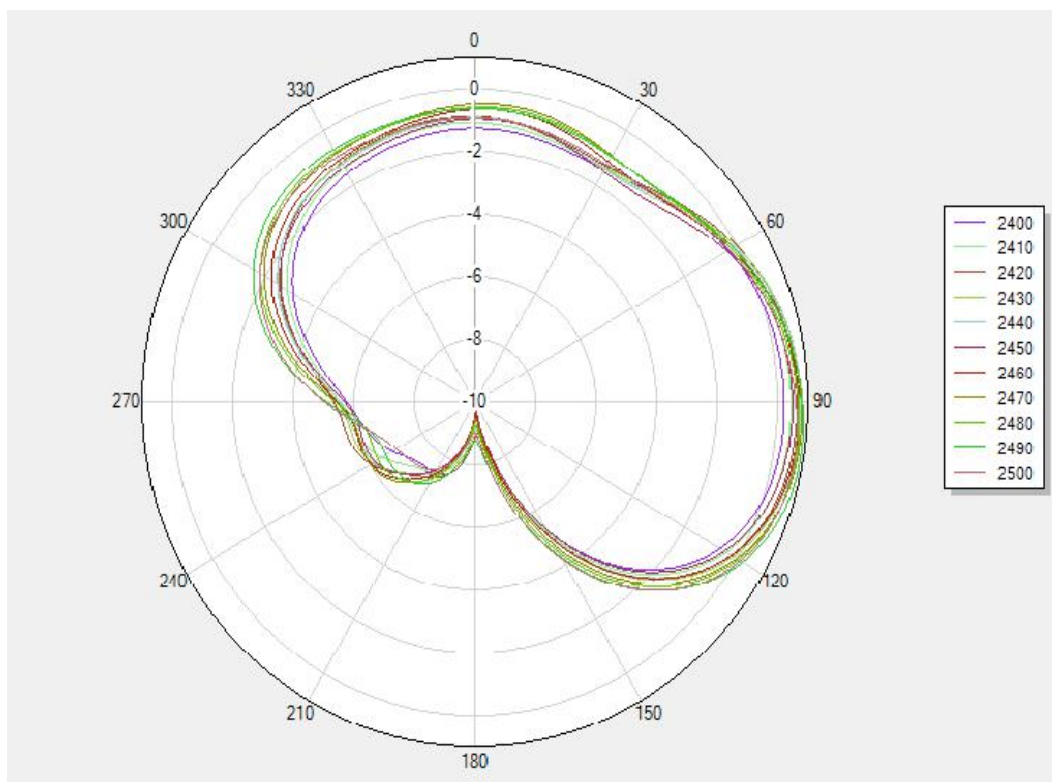
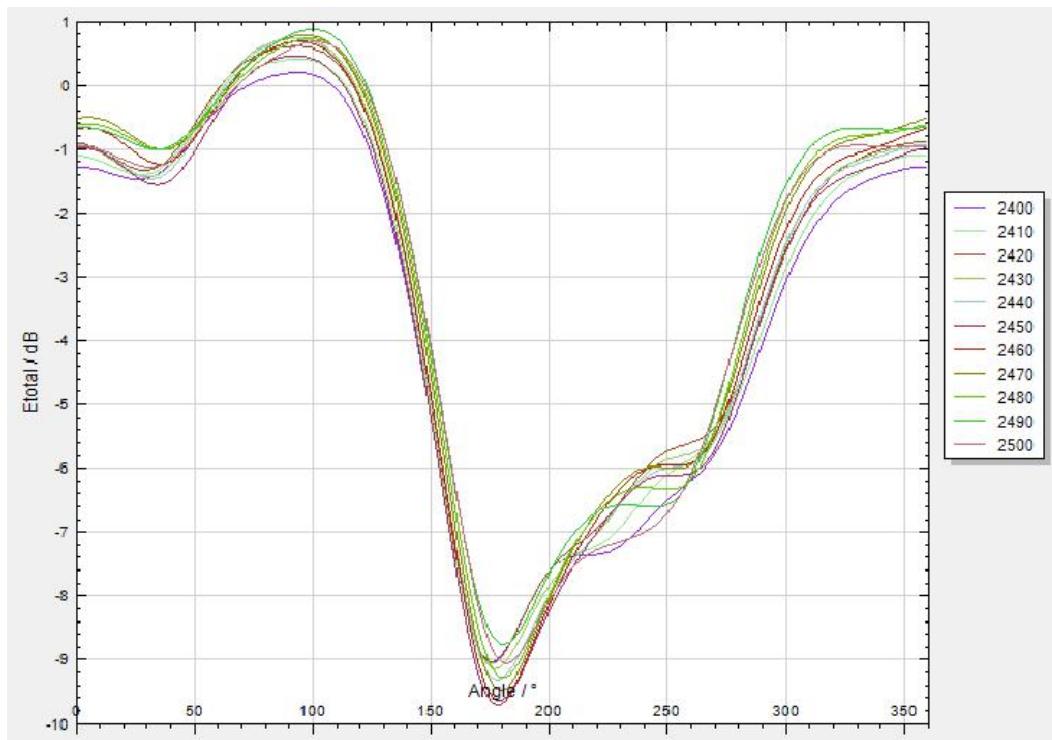
Phi 0



Phi 90

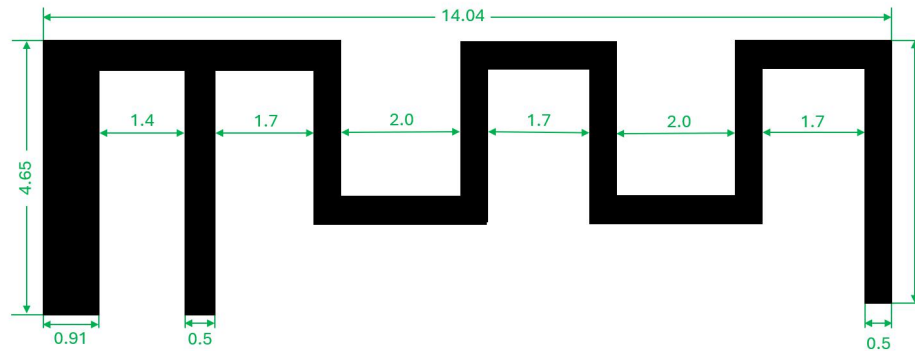


Theta 90

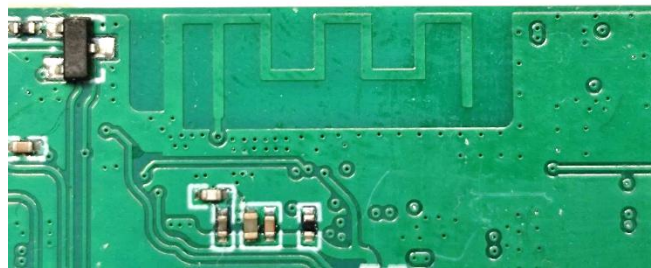


4. Antenna Dimensions

- Units of measurement: mm



5. EUT Photo



6. Test Setup Photo

