

Shenzhen Haozetongda Technology Co., Ltd.

2nd Floor, Building E, No.1, Xiawei Industrial Zone Road, Xiahu Community, Guanlan Street, Longhua New District, Shenzhen

antenna admission certificate

customer name :

Project model: Microwave oven generation II

Antenna specifications: WIFI FPC antenna

Issued date: 2025-5-27

Manufacturer Acknowledgment Section:

fiction	radio frequency	structure	ratify	date

Customer Acknowledgment Section:

affirm	examine and verify	ratify	date

amendment of resume by admission letter

edition	date	Change description	remarks
R/A	2025-5-22	editio princeps	
	2025-5-27	correcting	Coaxial line length
	2025-9-2	correcting	schedule drawing

catalogue

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1、Antenna image

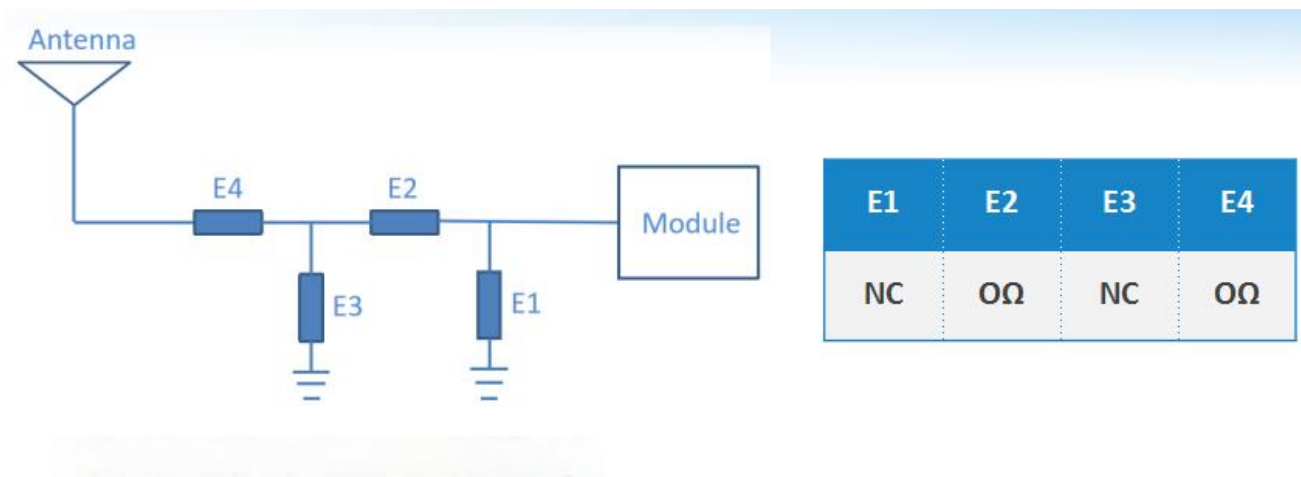


II. Test Environment

2.1. Environmental Treatment

III. Antenna Matching

3.1. Antenna



IV. Product Specifications

Passive Electrical Performance Indicators

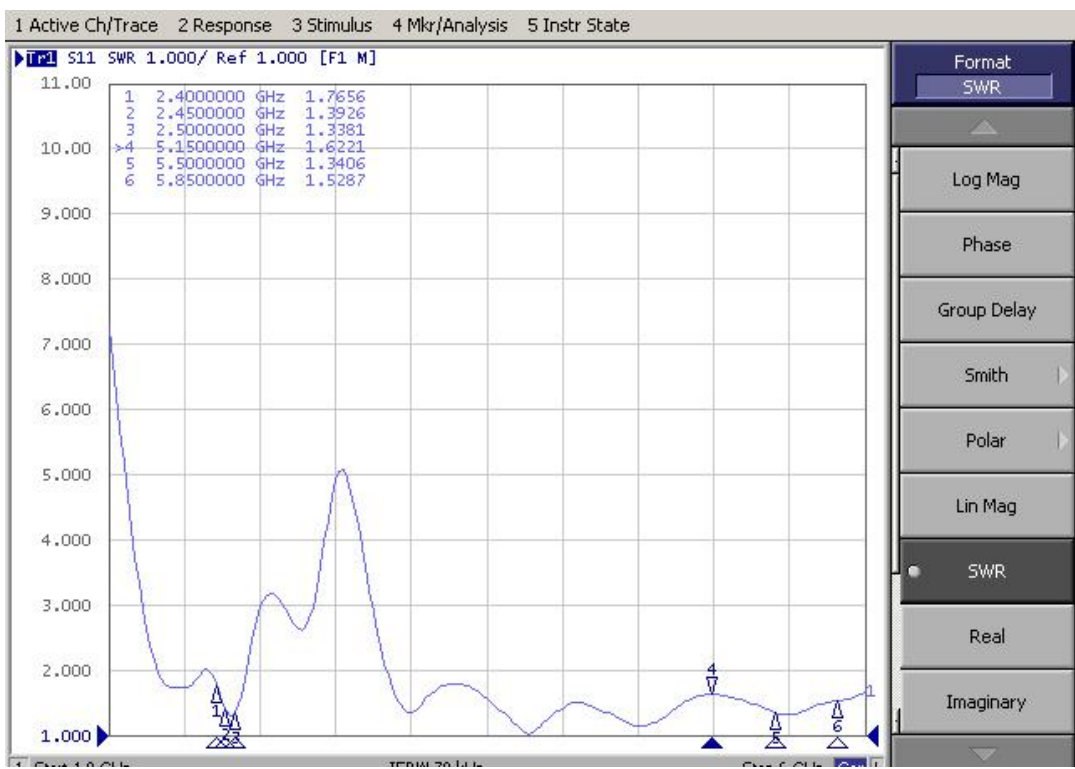
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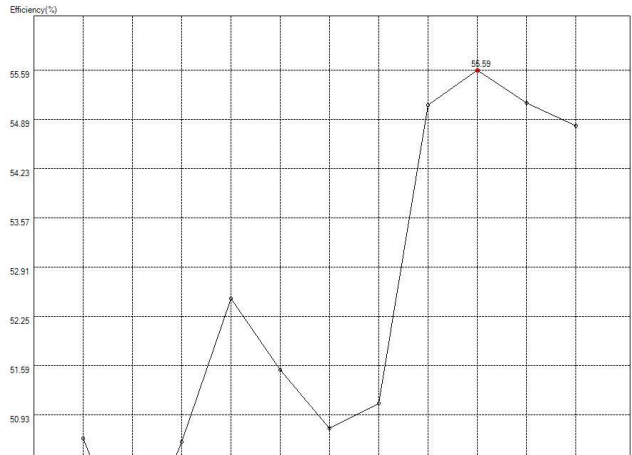
Frequency Range (MHz)	2400-2500MHz/5150-5850MHz
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (VSWR)	≤ 2
Gain (dBi)	< 5dBi
Polarization Form	linear polarization

V. Electrical Performance Report

- Standing Wave Ratio Diagram VSWR



Frequency (MHz)	2400	2450	2500	5150	5550	5850
VSWR	1.76	1.39	1.33	1.62	1.34	1.52

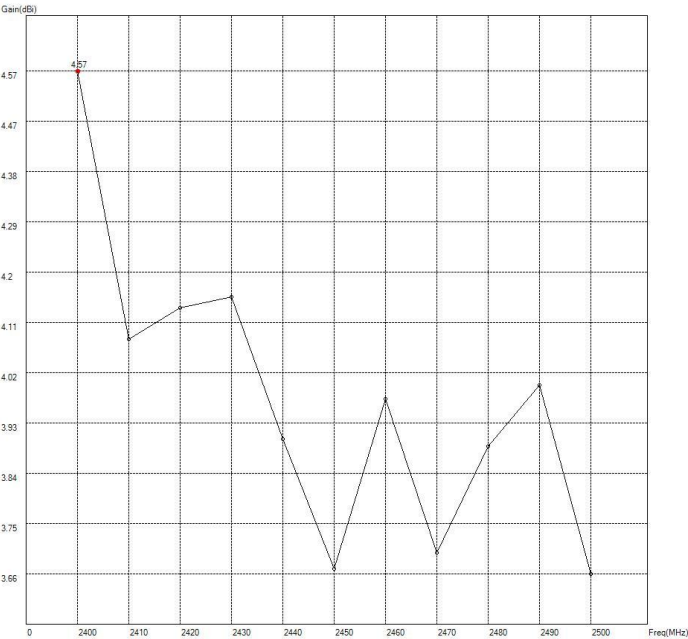


- Efficiency

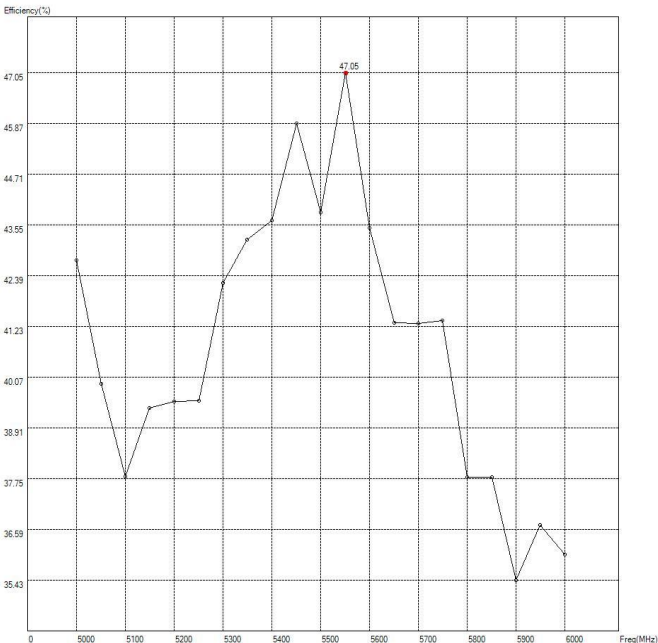
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Frequency (MHz)	2400	2450	2500
Efficiency (%)	50.62	50.75	54.83

● gain Gain



Frequency (MHz)	2400	2450	2500
Gain (dbi)	4.56	3.66	3.65
Directivity (dbi)	7.22	6.87	6.74



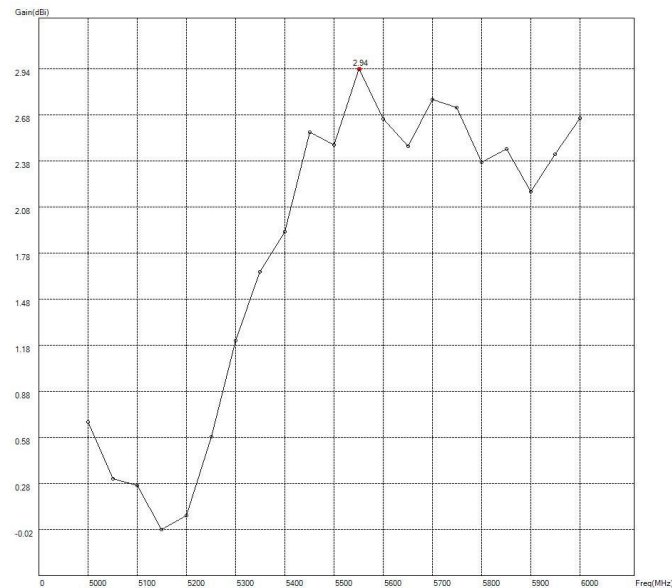
● Efficiency

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Frequency (MHz)	5150	5550	5850
Efficiency (%)	39.36	47.05	37.79

● gain

Gain

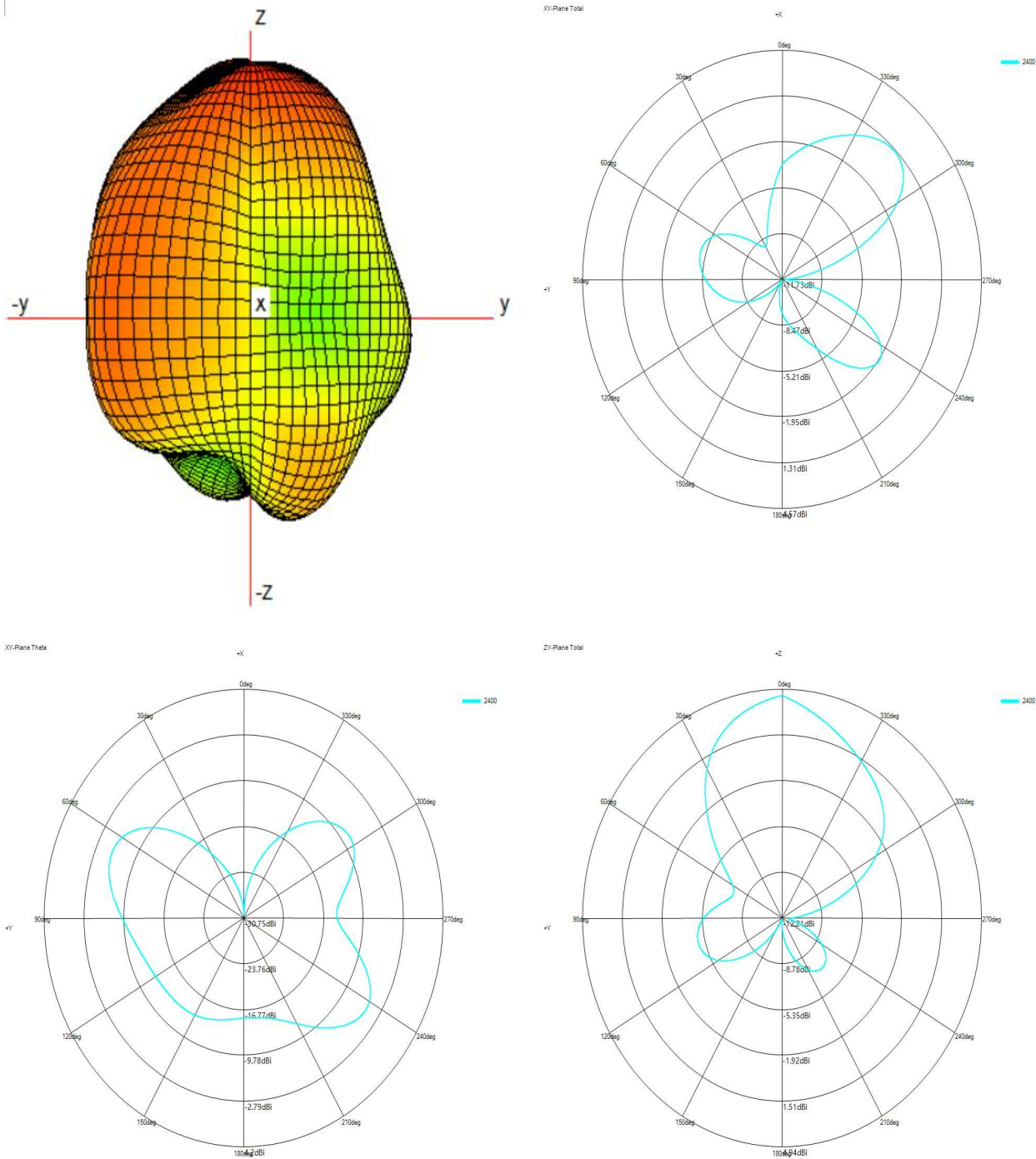


Frequency (MHz)	5150	5550	5850
Gain (dbi)	0.01	2.93	2.42
Directivity (dbi)	2.59	5.38	4.97

● 3D Directional Chart

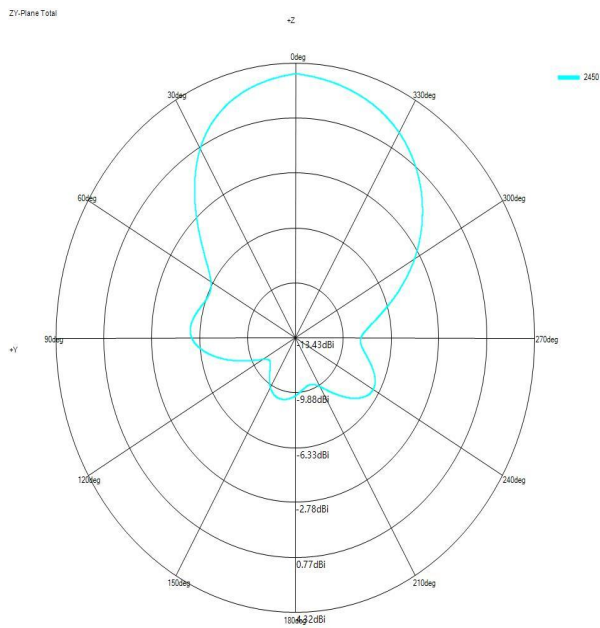
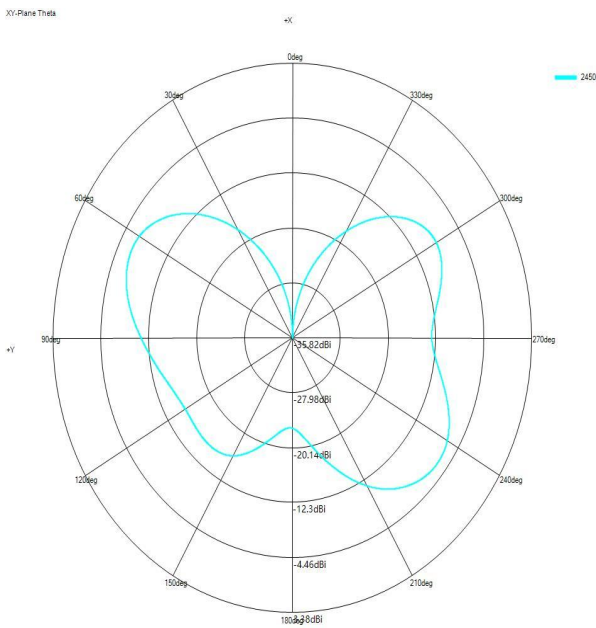
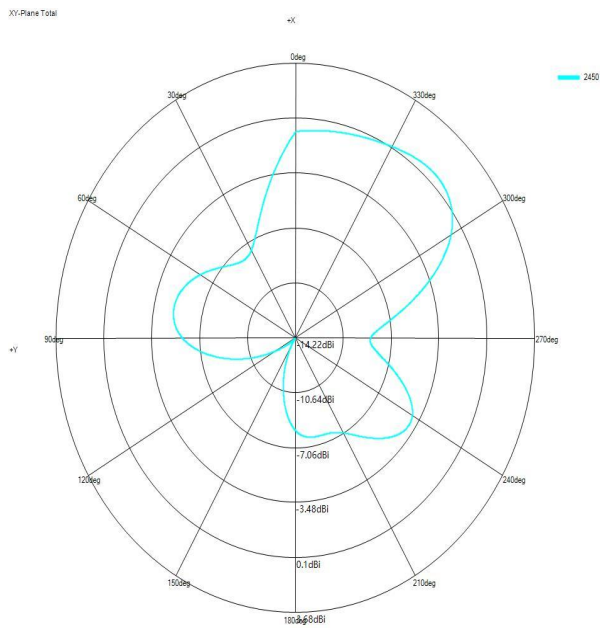
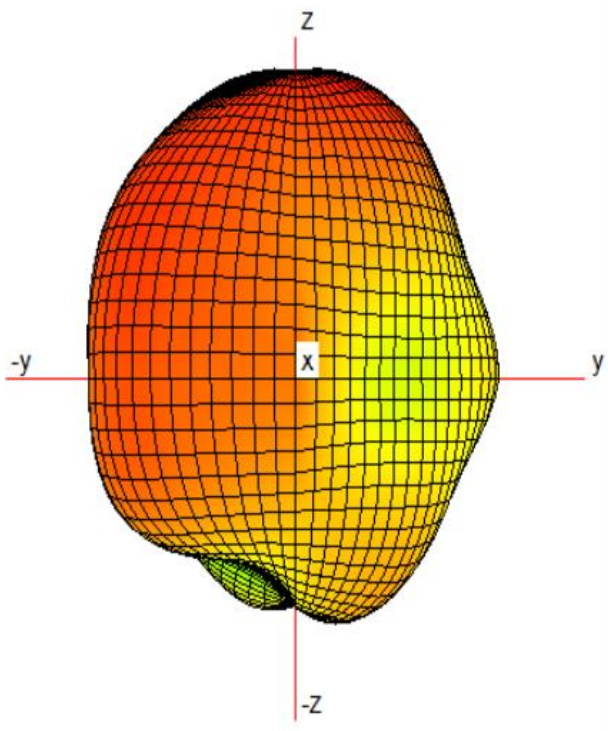
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WiFi antenna 2400 MHz



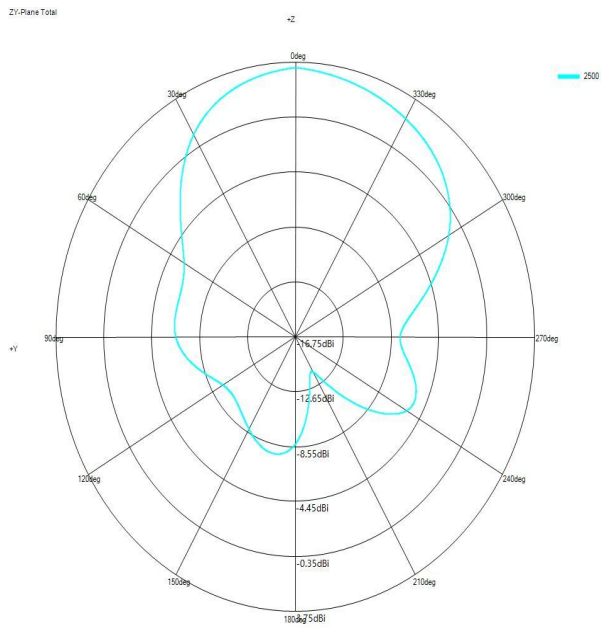
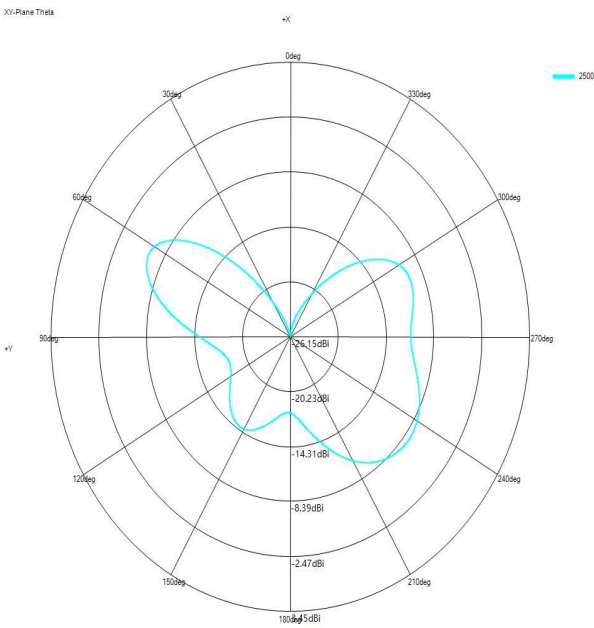
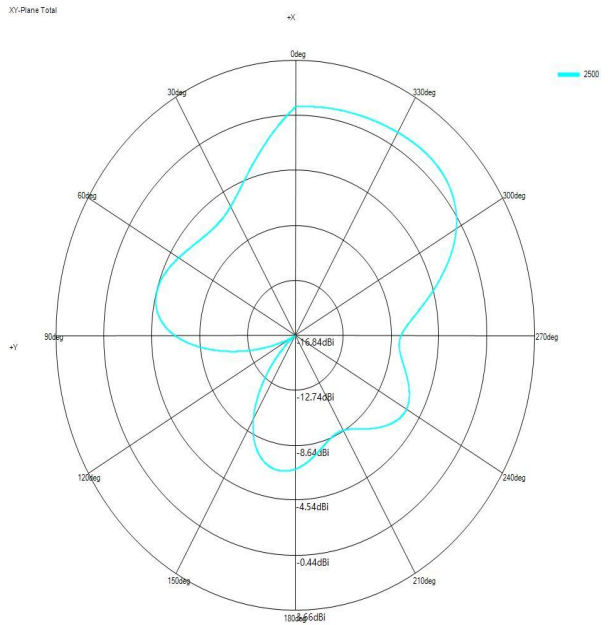
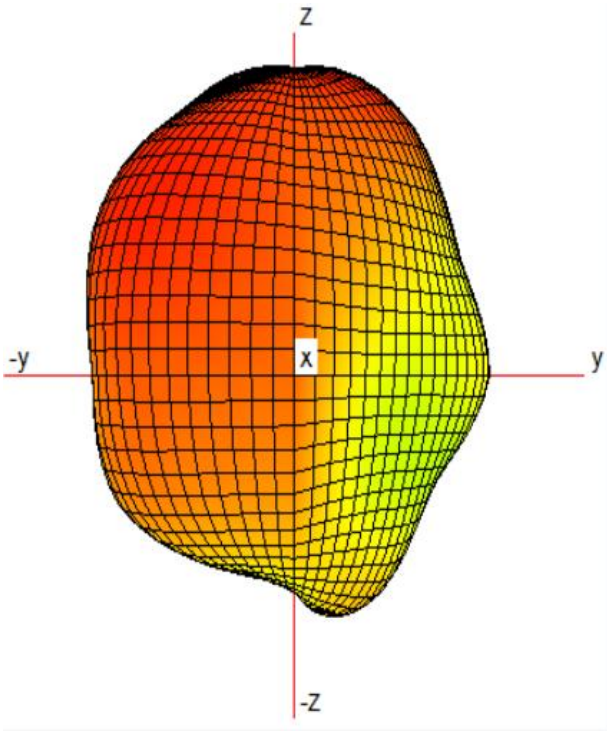
WIFI antenna at 2450 MHz

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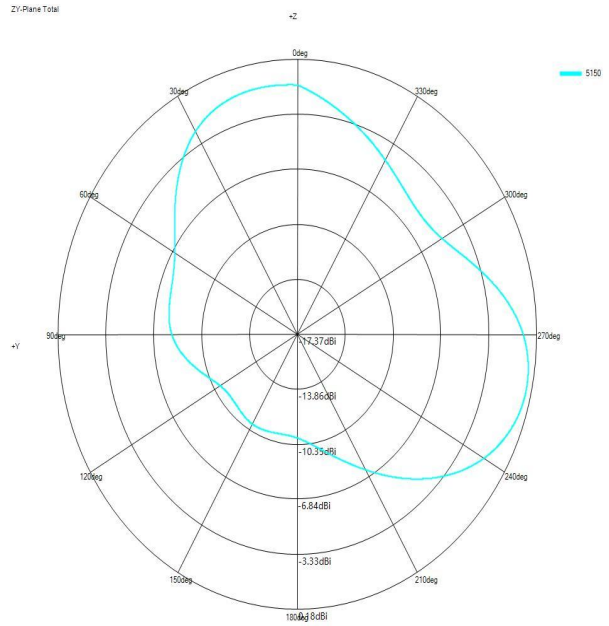
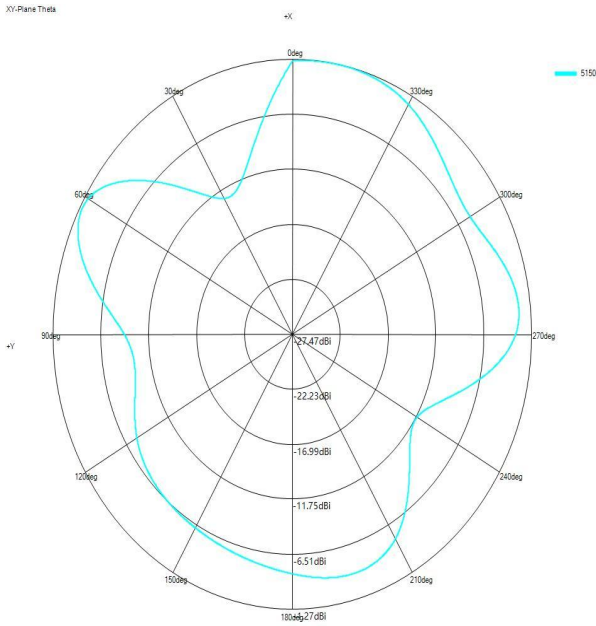
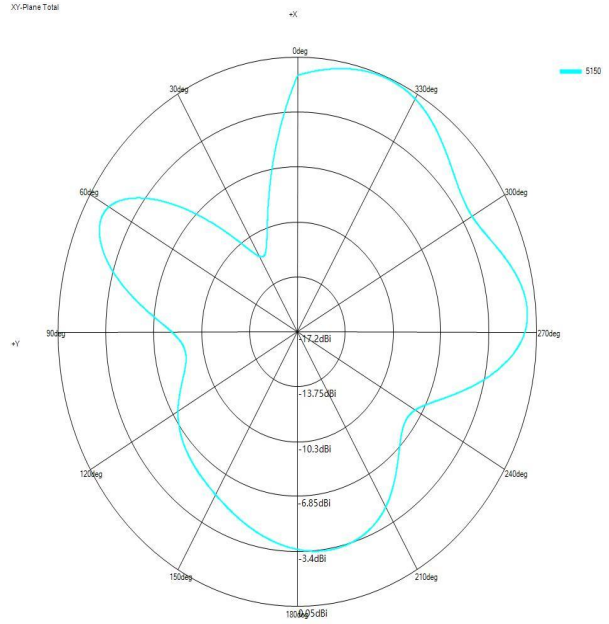
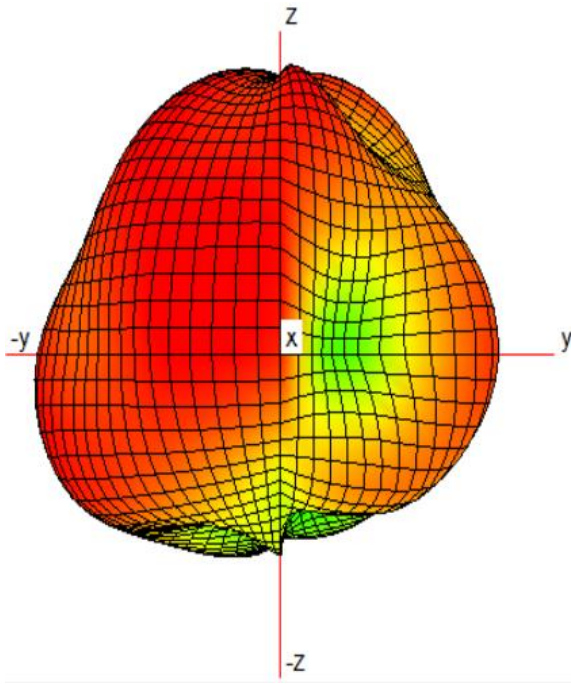
WIFI antenna 2500 MHz



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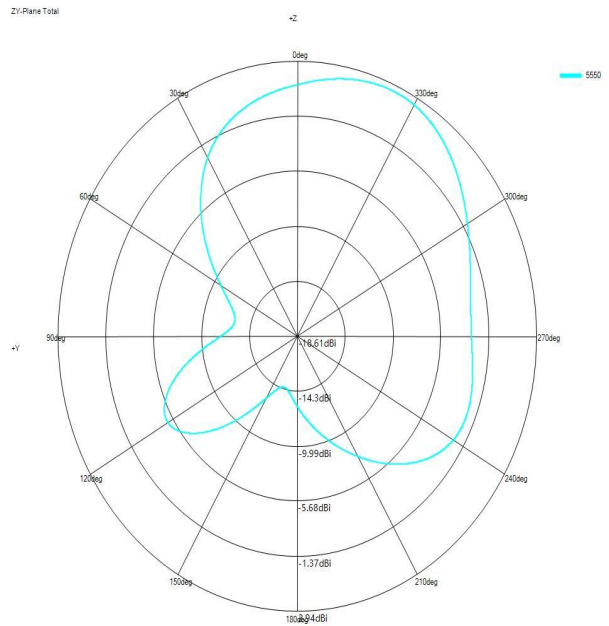
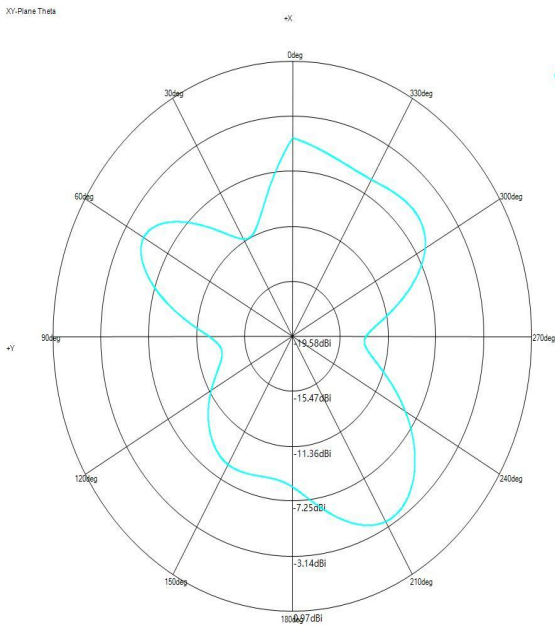
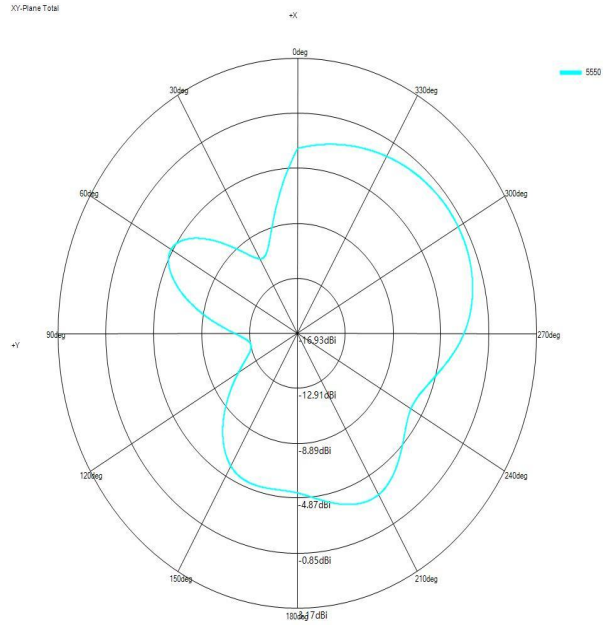
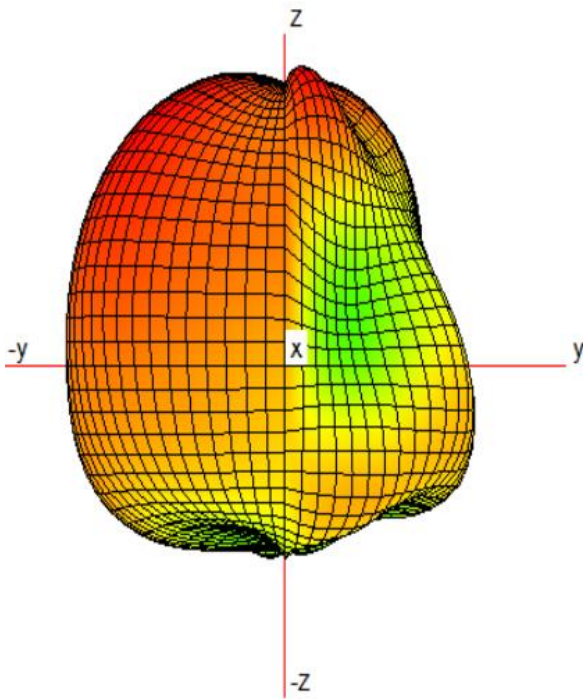
WIFI antenna at 5150 MHz



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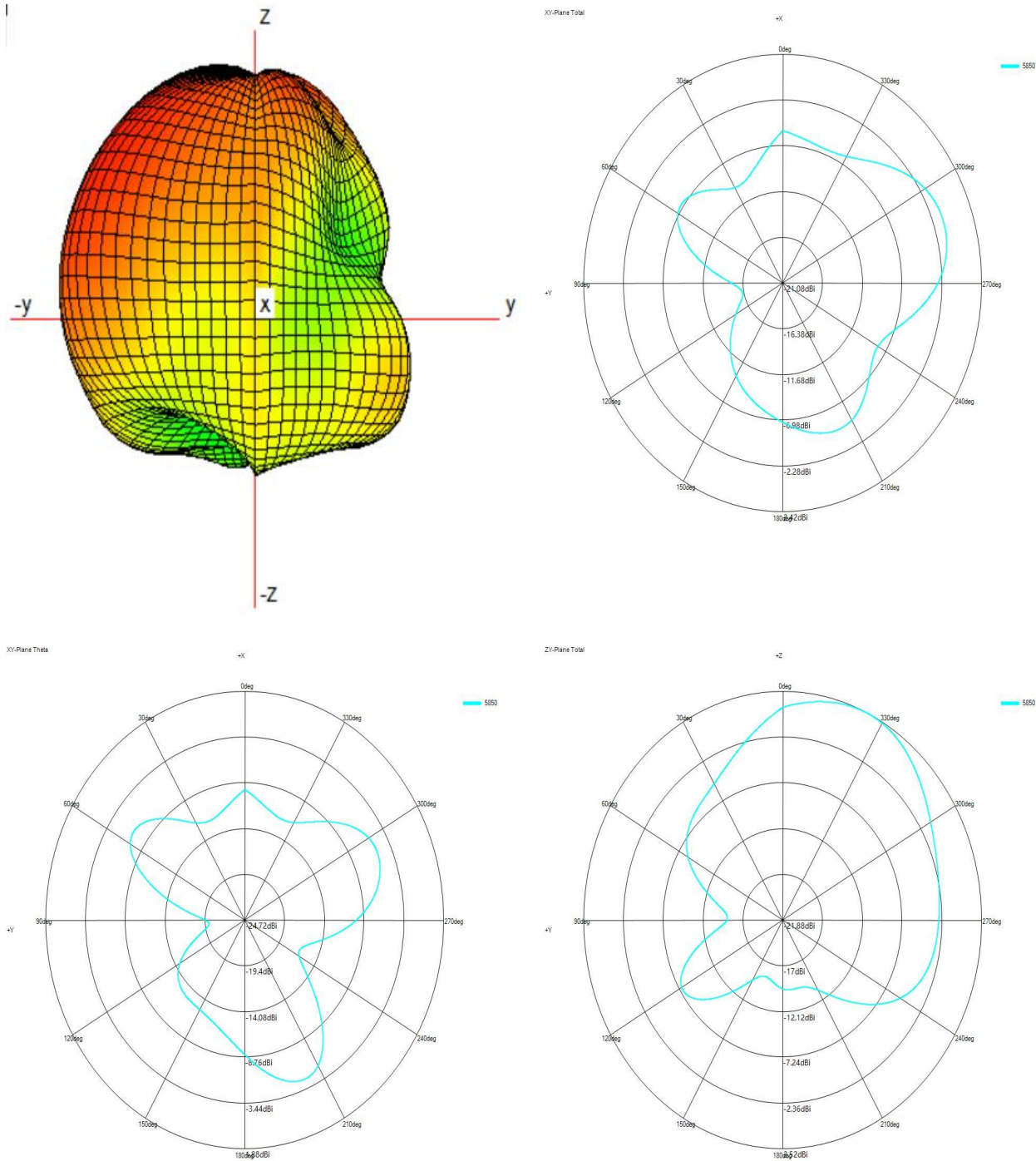
WIFI antenna at 5550 MHz



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WIFI antenna at 5850 MHz



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6、schedule drawing

