



Shenzhen Jiexuntong Wireless
Technology Co., LTD

Antenna specification of
Shenzhen
Jixuntong
Wireless
Technology Co.,
LTD

Customer name:

Zhongxinyang

Project Model:

M1 / M2



Shenzhen Jiexuntong Wireless Technology Co., LTD

Antenna specification:

WIFI FPC Antenna issue

date: 2024-5-20

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catalogue

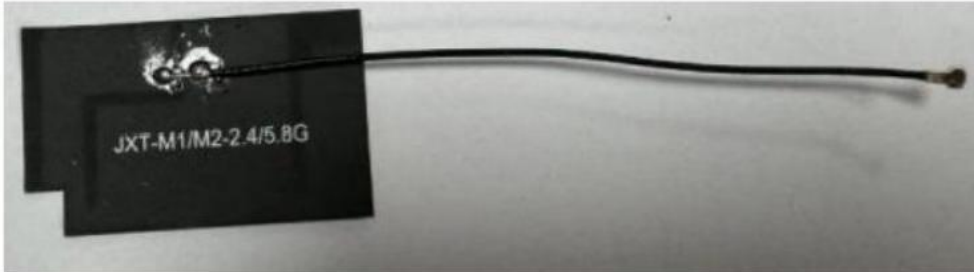
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Contact number: 0755-23731203

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, Antenna pictures



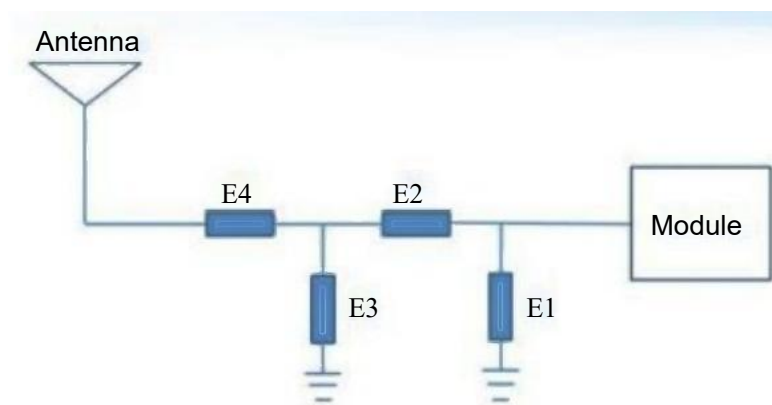
two., testing environment

2.1. Environmental treatment



3. antenna loading coil

3.1. The antenna



E1	E2	E3	E4
NC	00	NC	00

*: We have not made changes to the original antenna front-end matching.

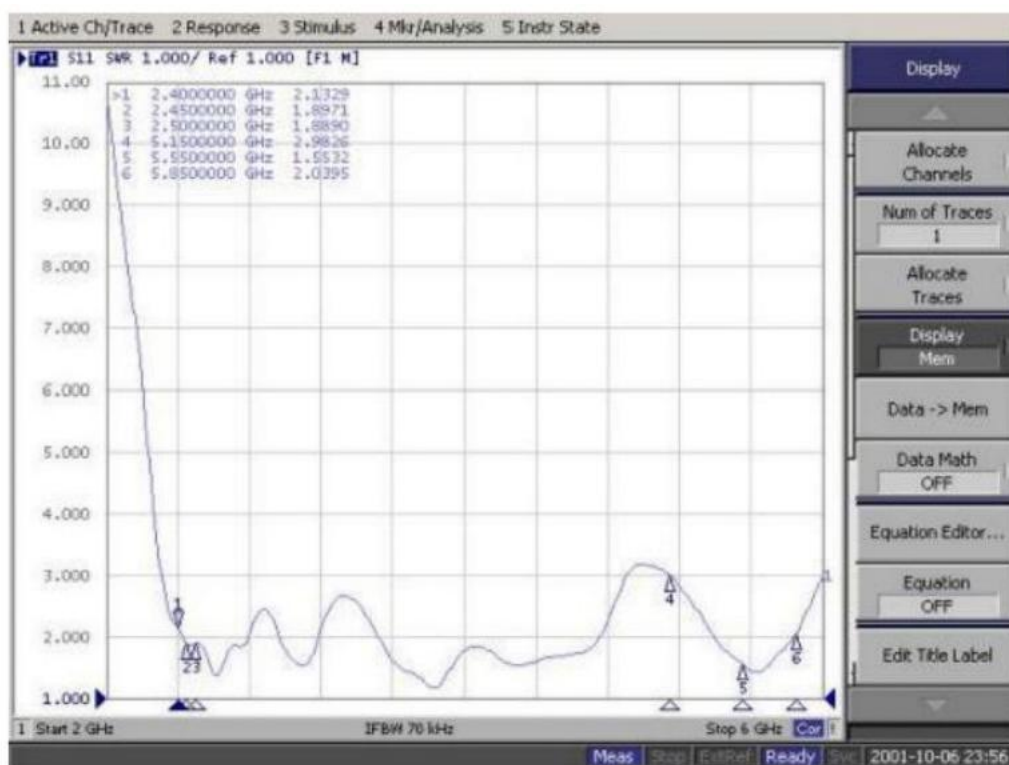
4. *size of product*

<u>Passive electrical performance index: Passive Electrical Specifications</u>		
Frequency range: Frequency Range (MHz)	2400-2500MHZ	5000-6000MHZ
Input the impedance of Input Impendence (Ω)	50	
Voltage standing ratio VSWR	≤ 5	
Gain Gain (dBi)	The	
Polarized form Polarization Type	<3 dBi line is polar ized	

5. Electrical performance report

VSWR

M1

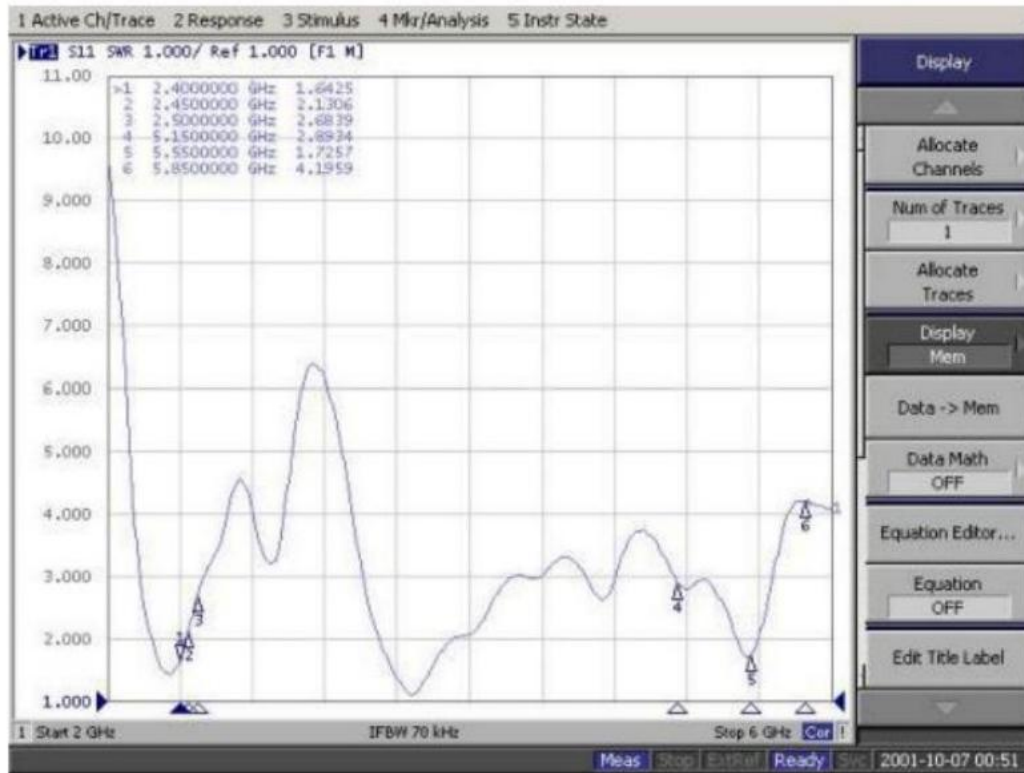


Frequency (MHz)	24002450	2500	5150	5550	5850
VSWR	2.13	1.891.88	2.981.55	2.03	



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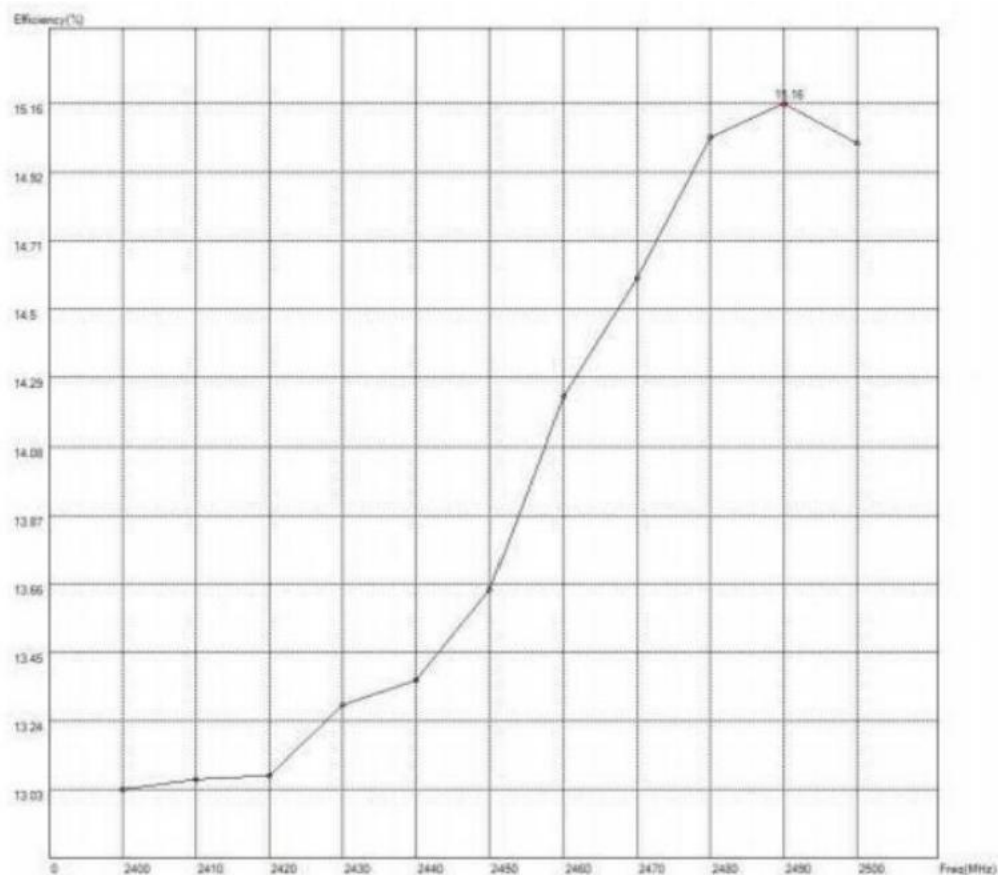
M2



Frequency (MHz)	2400	2450	2500	5150	5550	5850
VSWR	1.64	2.13	2.68	2.89	1.72	4.19

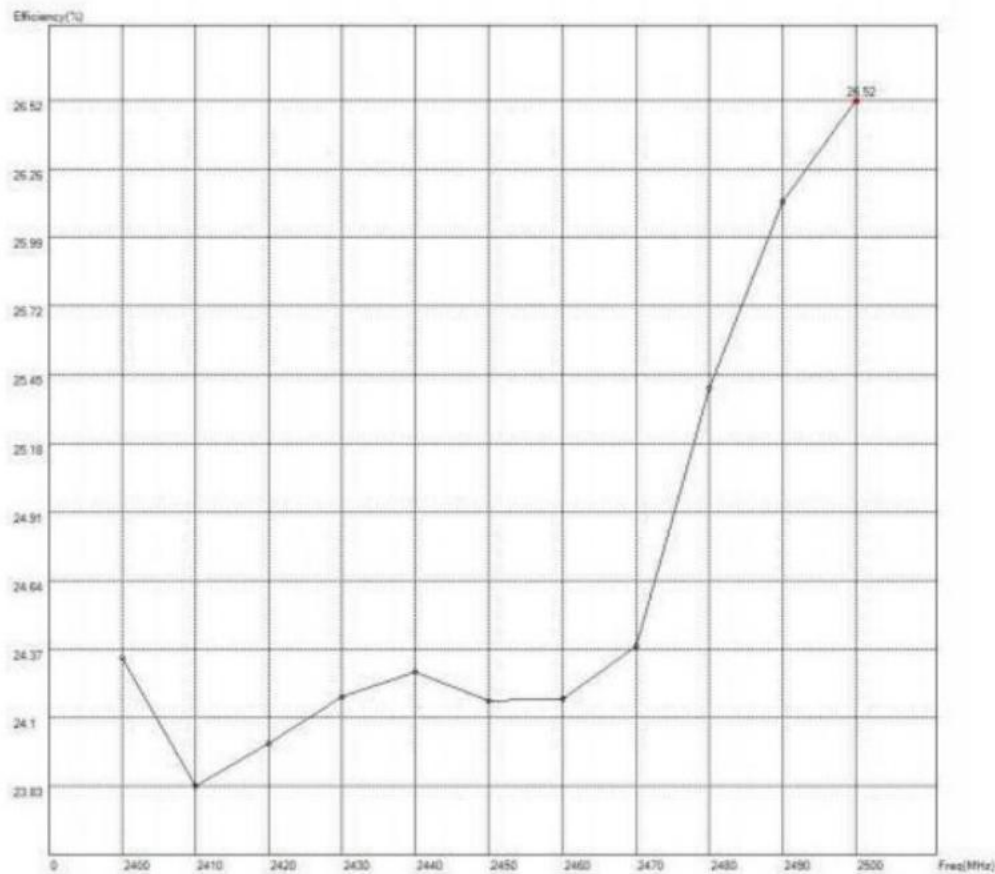
Benefit of Efficiency

M1



Frequency (MHz)	2400	2450	2500
Efficiency (%)	13.03	13.64	15.03

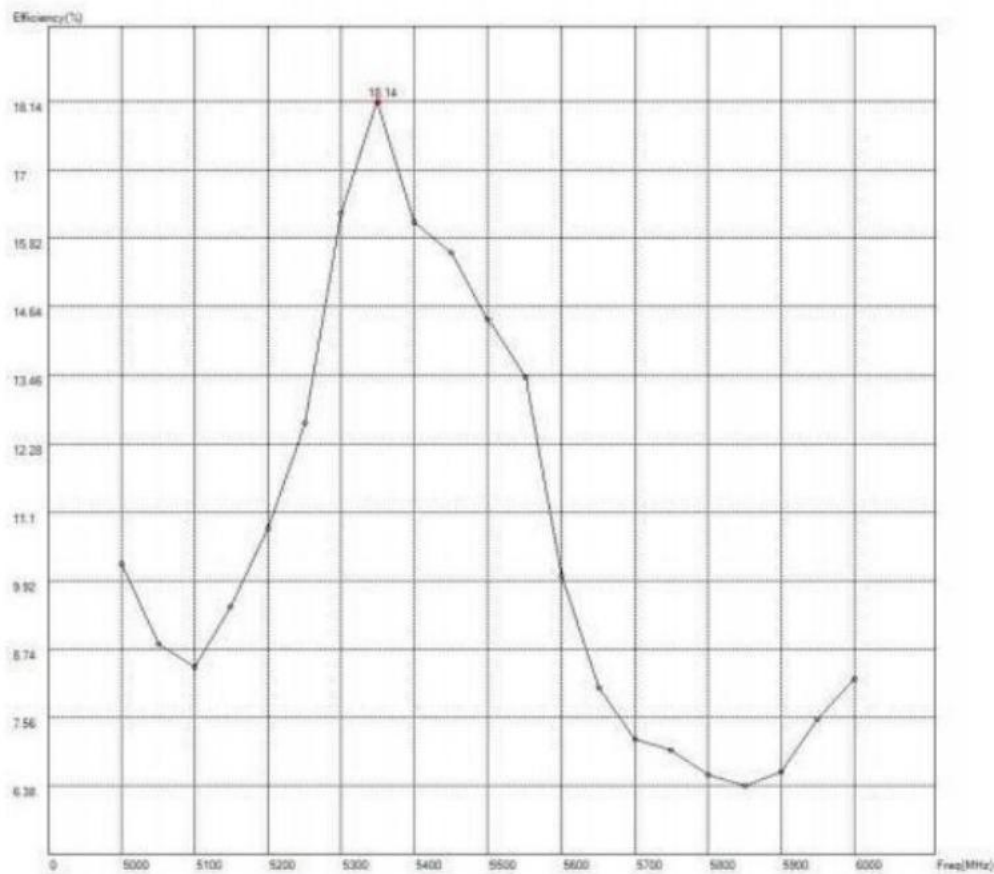
M2



Frequency (MHz)	2400	2450	2500
Efficiency (%)	24.32	24.16	26.52

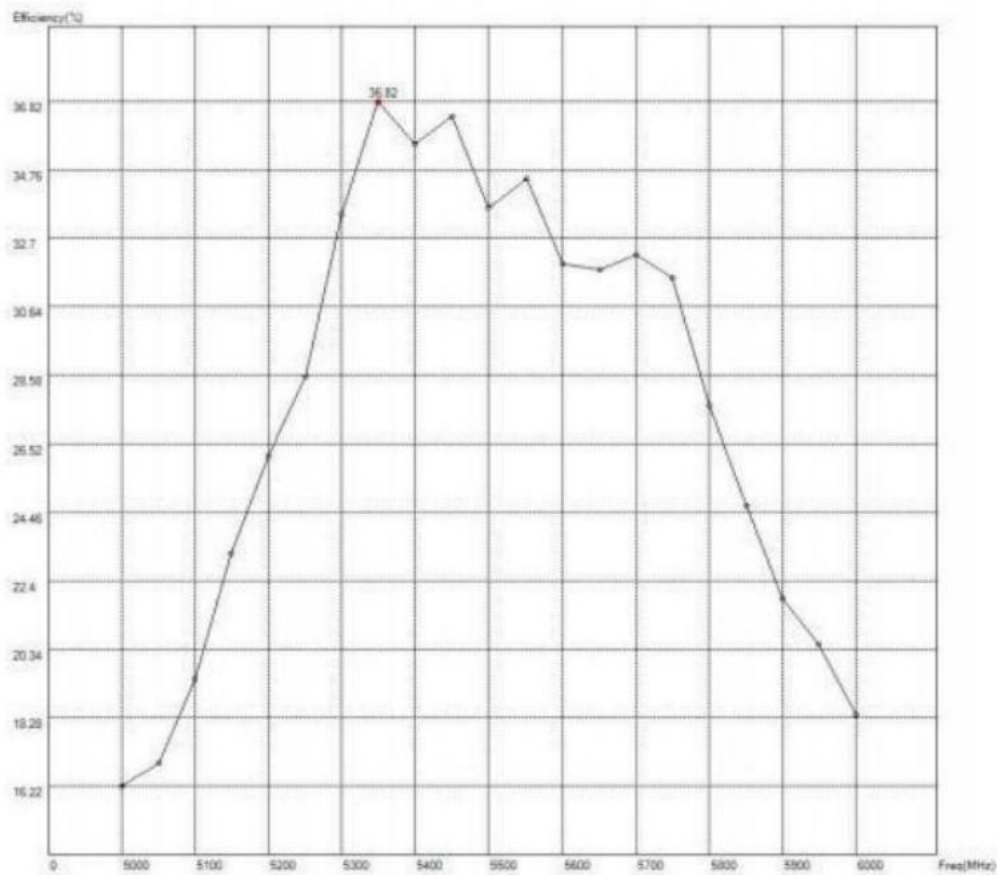


M2



Frequency (MHz)	5150	5450	5850
Efficiency (%)	9.45	15.52	6.37

M1



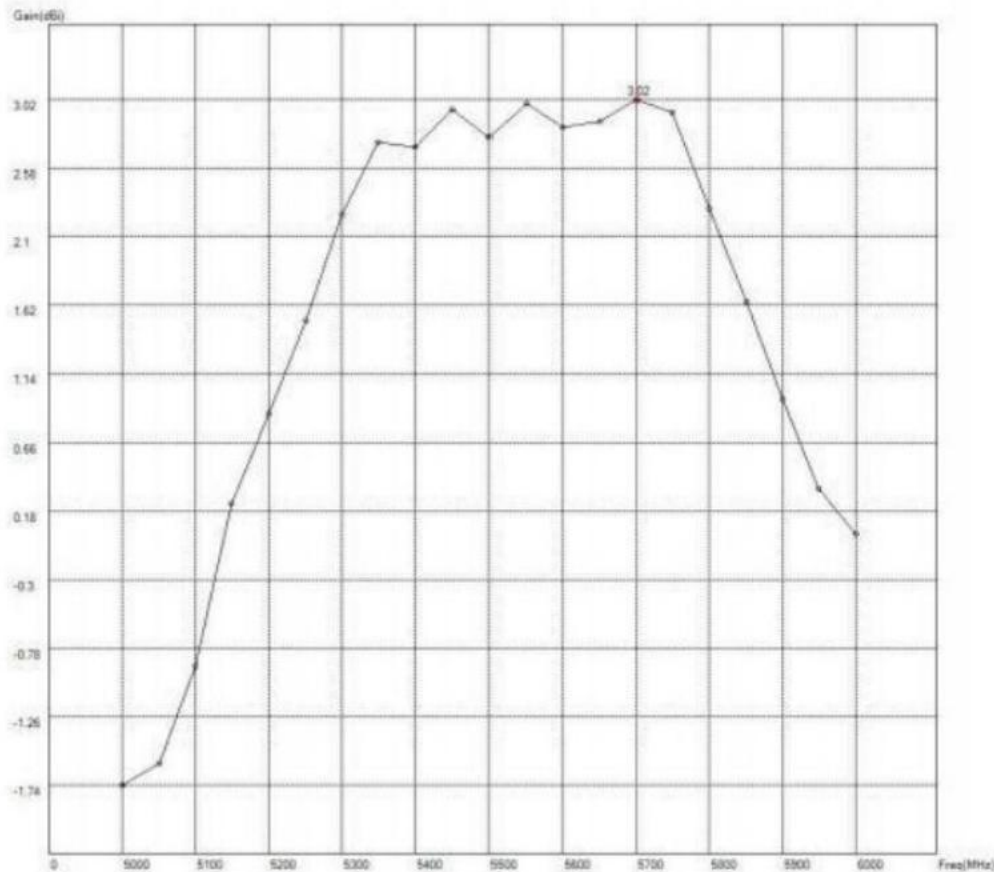
Frequency (MHz)	5150	5450	5850
Efficiency (%)	23.22	36.38	24.67



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gain Gain

M1

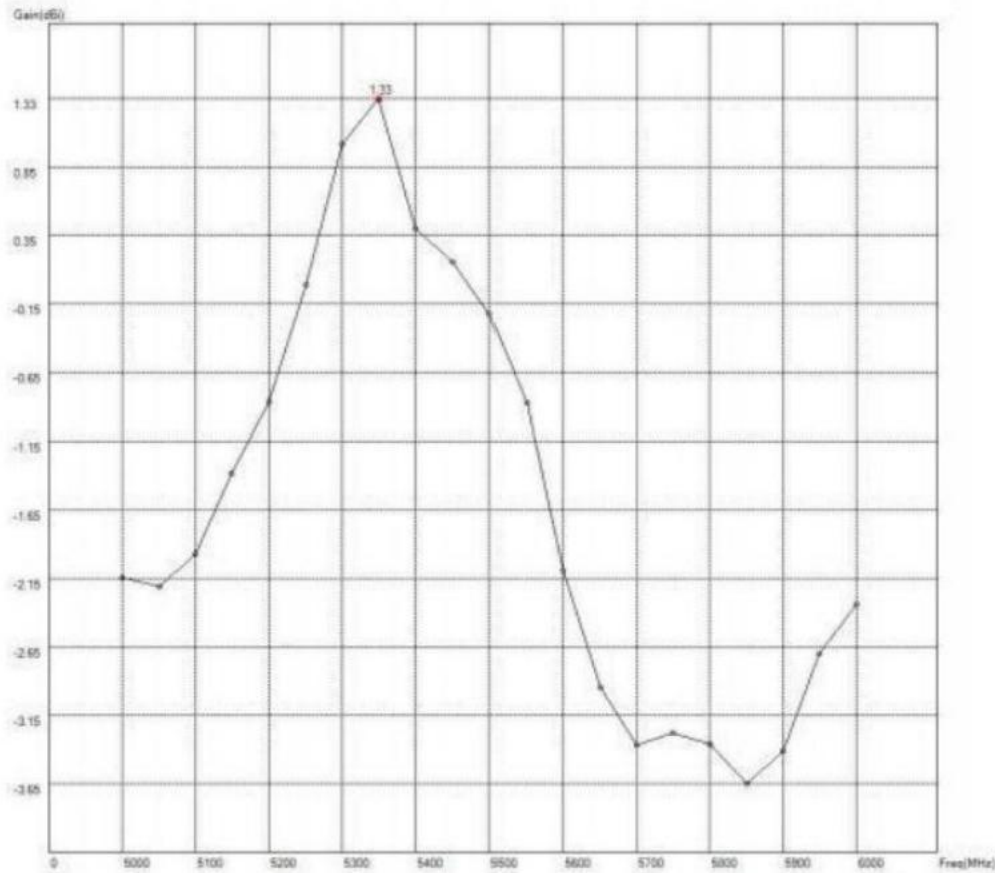


Frequency (MHz)	5150	5450	5850
Gain (dbi)	0.21	2.94	1.60



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M2

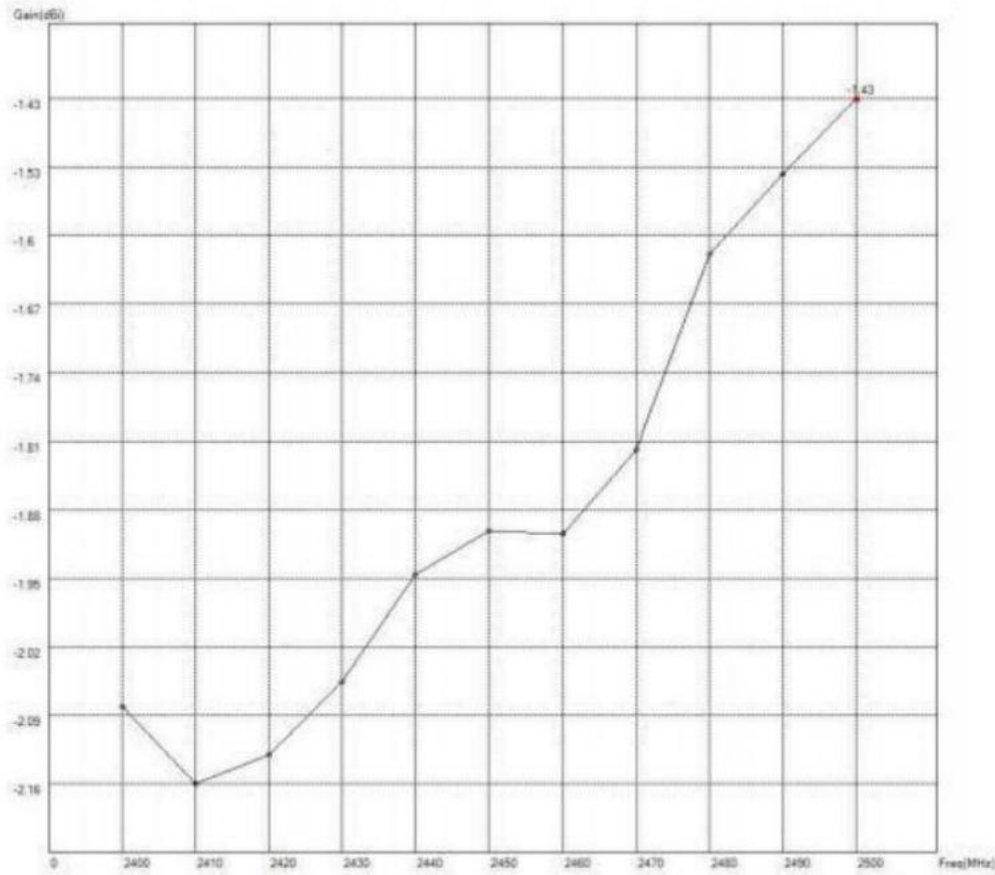


Frequency (MHz)	5150	5450	5850
Gain(dbi)	-1.39	0.13	-3.64



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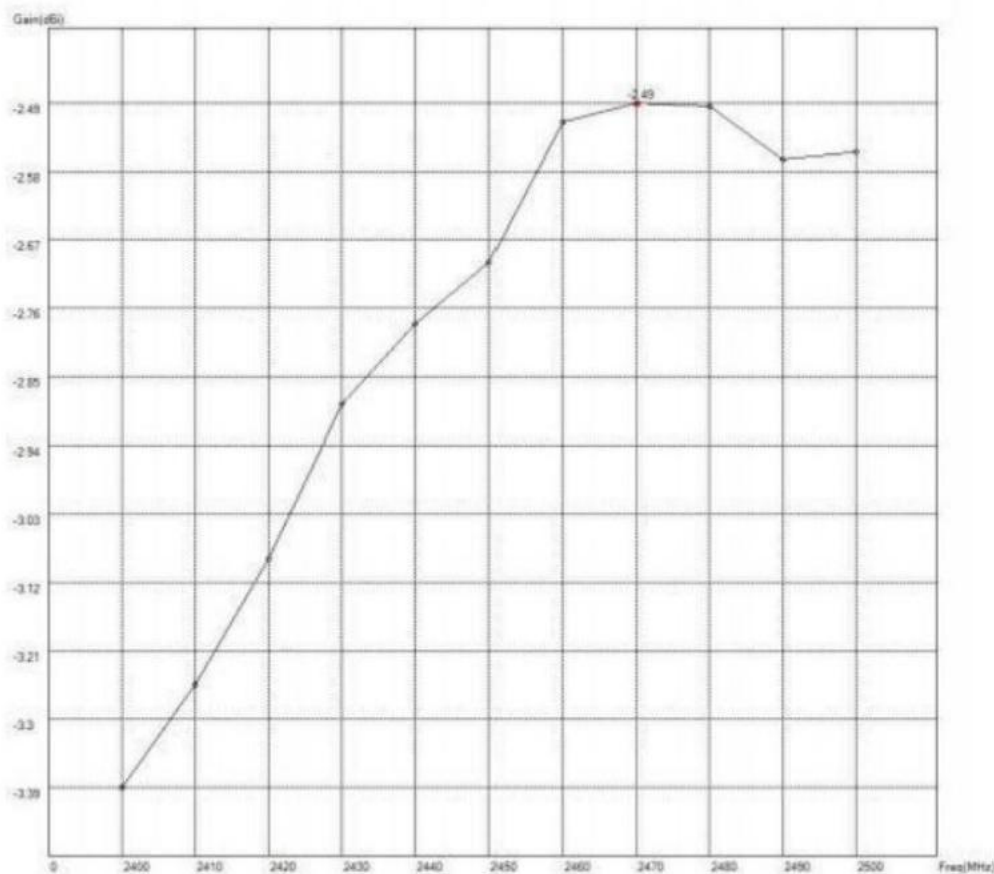
M2



Frequency (MHz)	2400	2450	2500
Gain (dbi)	-2.07	-1.89	-1.42



M1



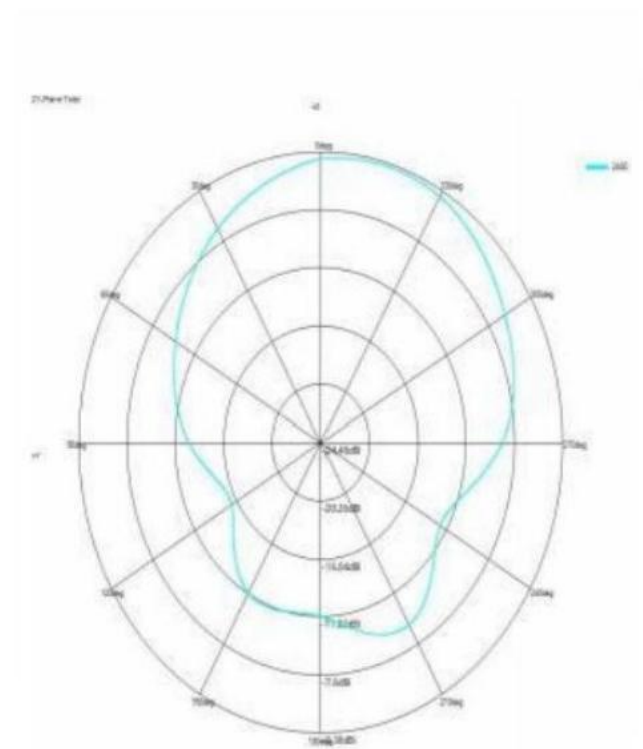
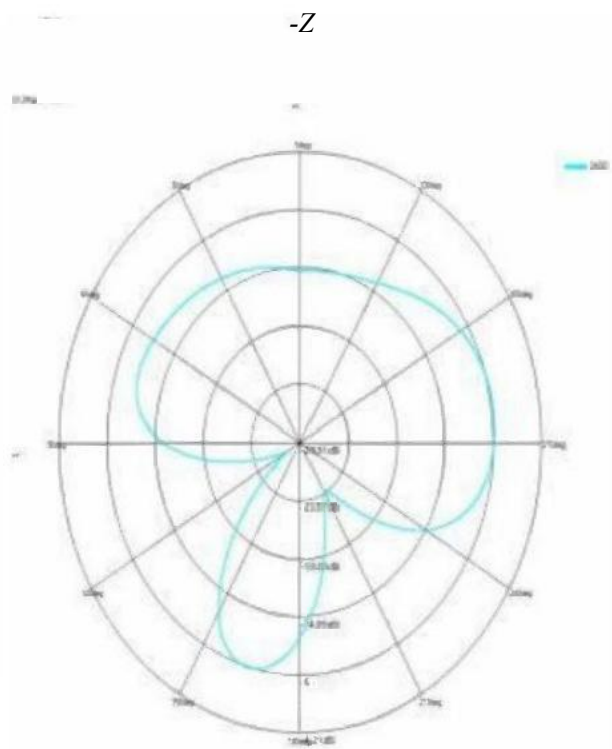
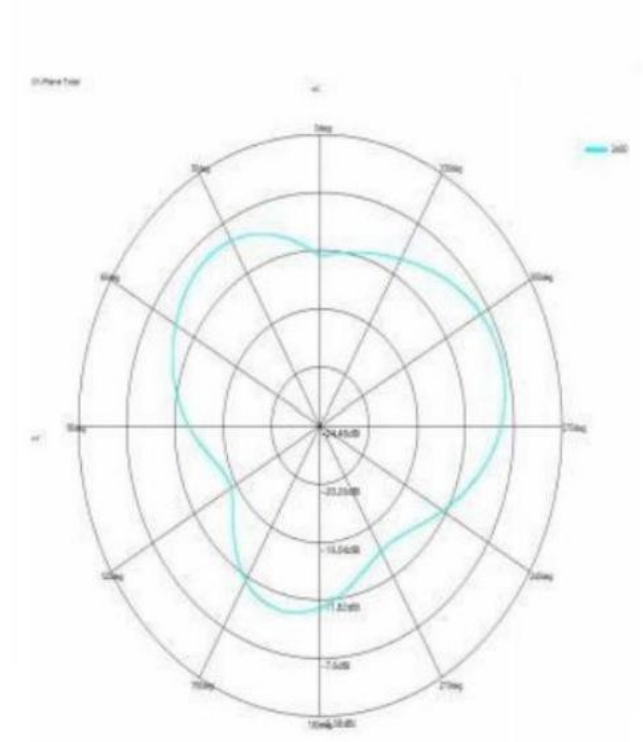
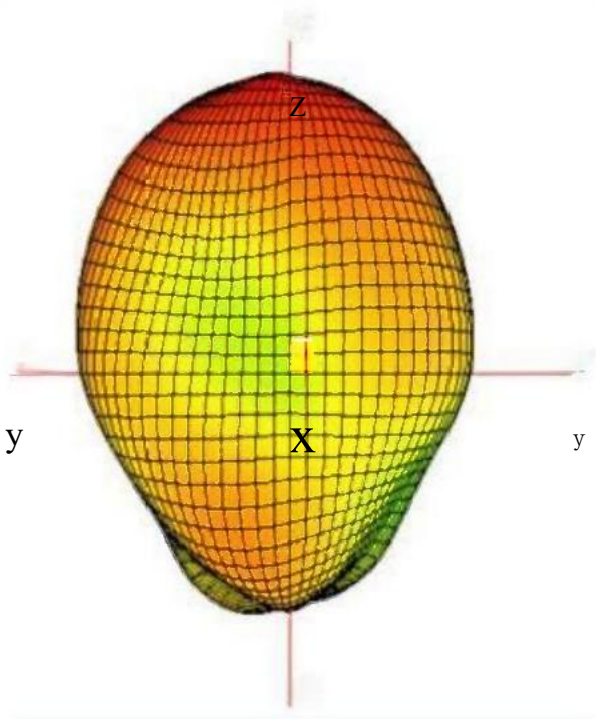
Frequency (MHz)	2400	2450	2500
Gain(dbi)	-3.38	-2.69	-2.55



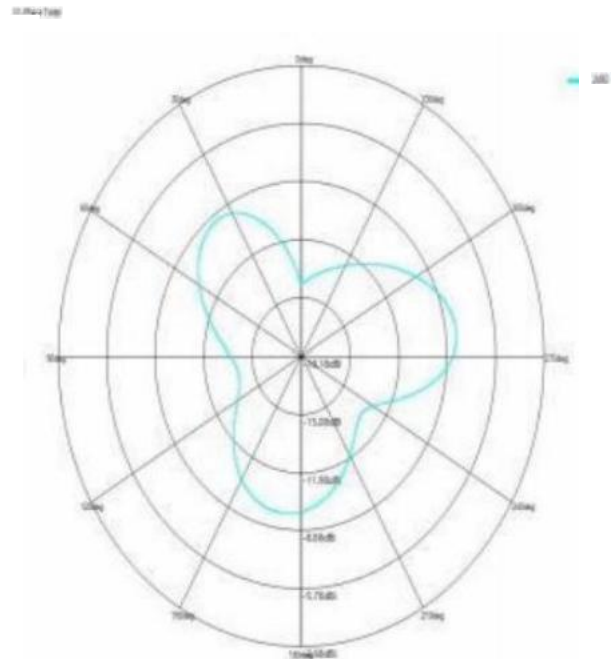
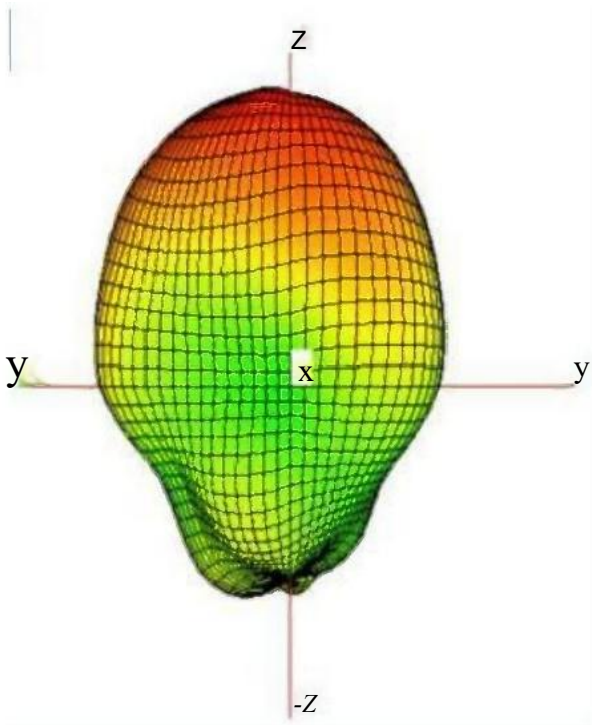
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directional diagram

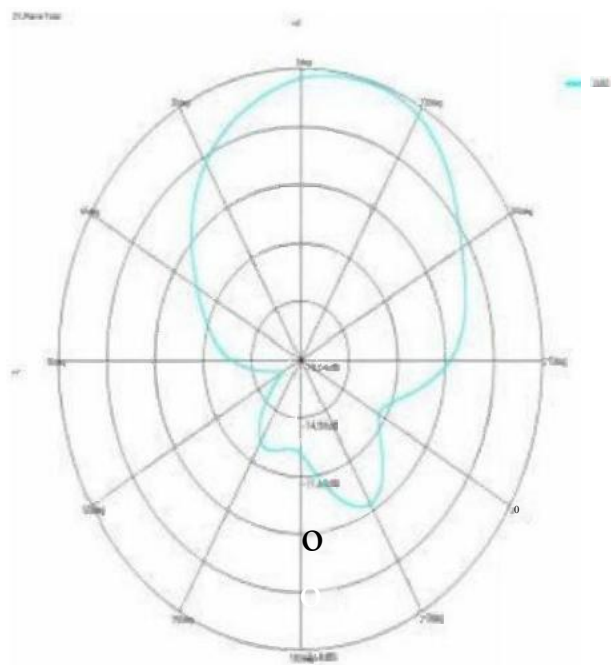
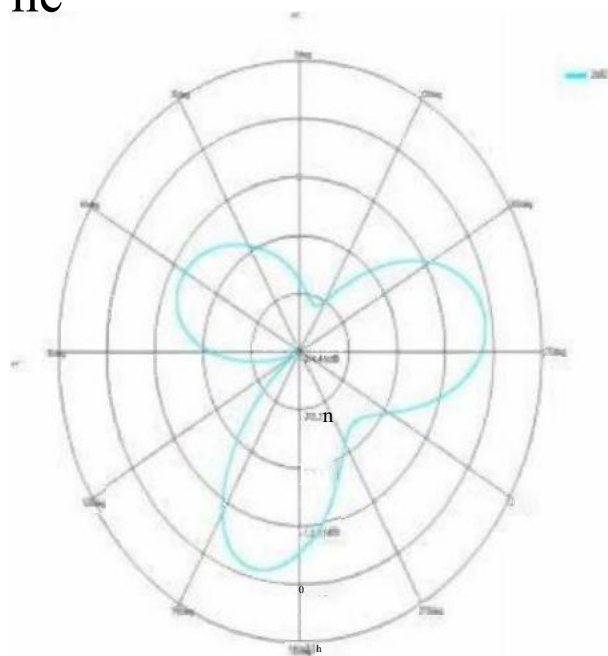
The WiFi antenna is at 2400 Mhz



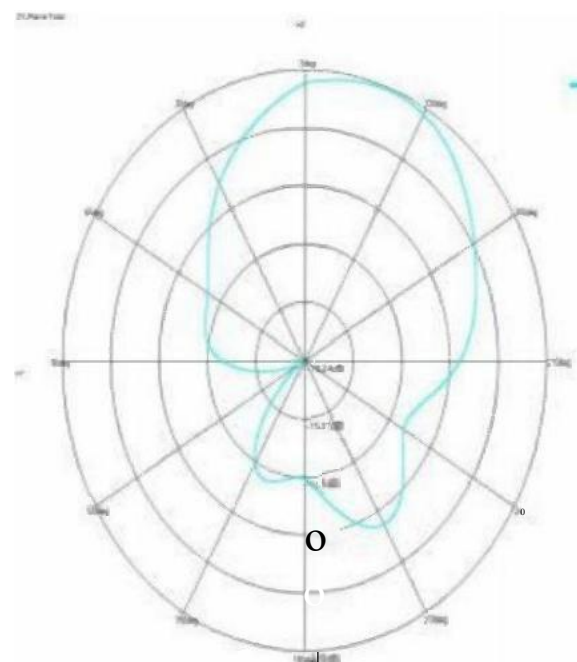
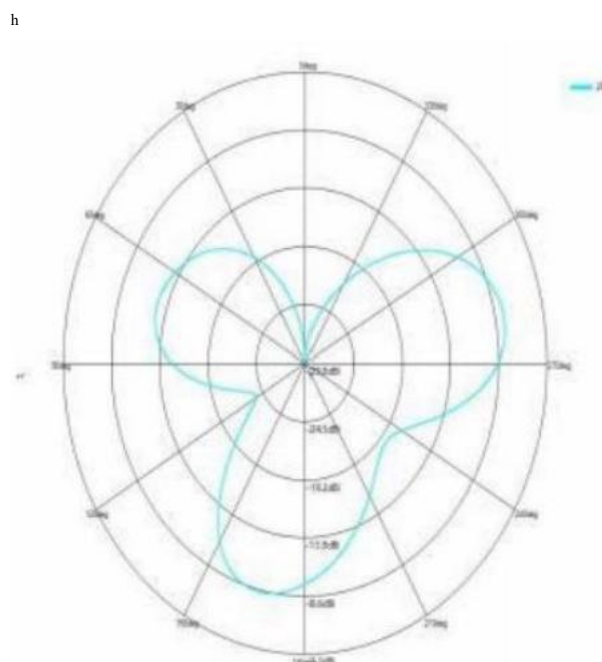
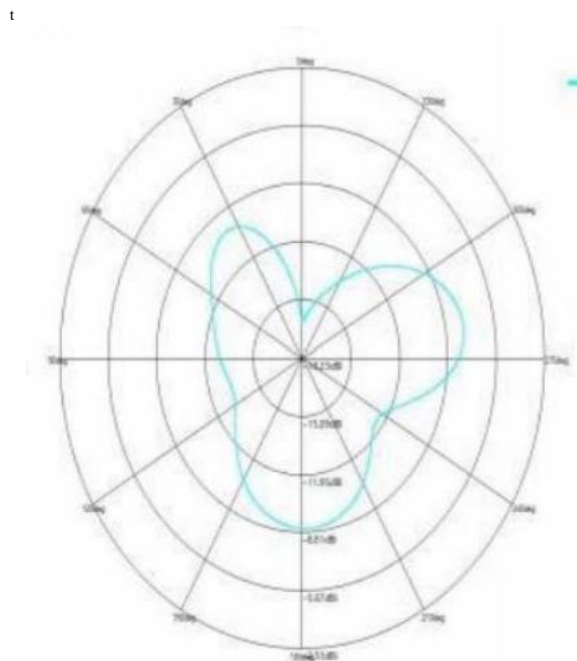
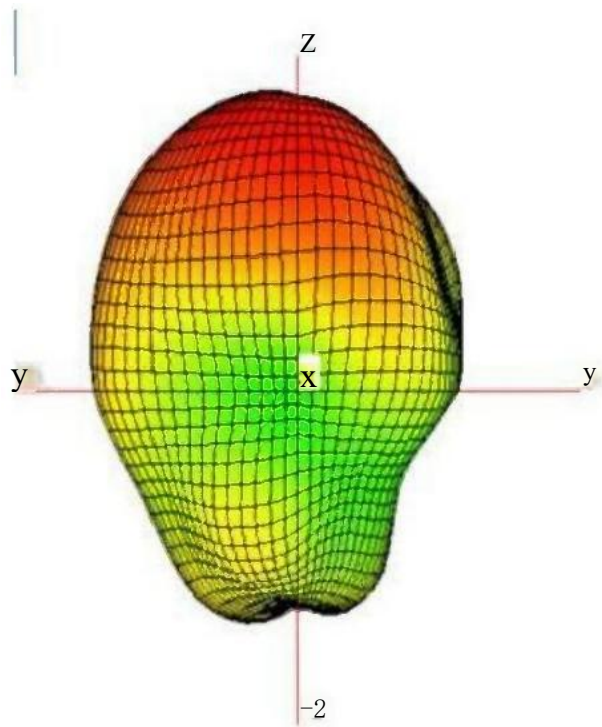
The WIFI antenna at 2450 Mhz



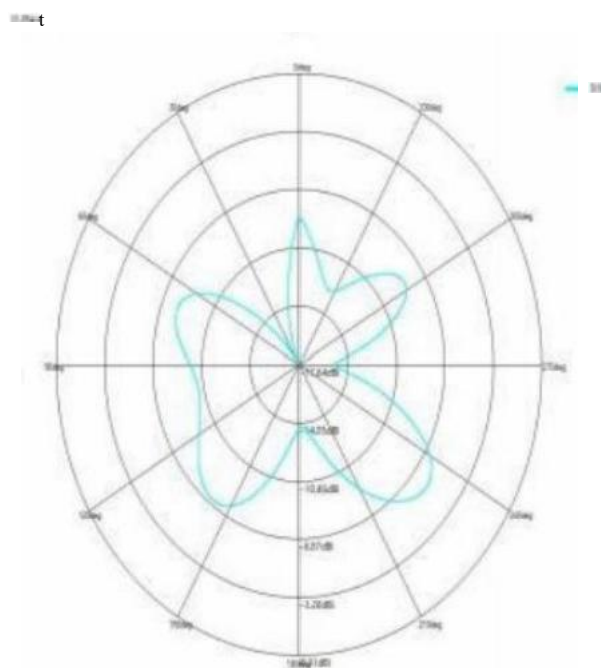
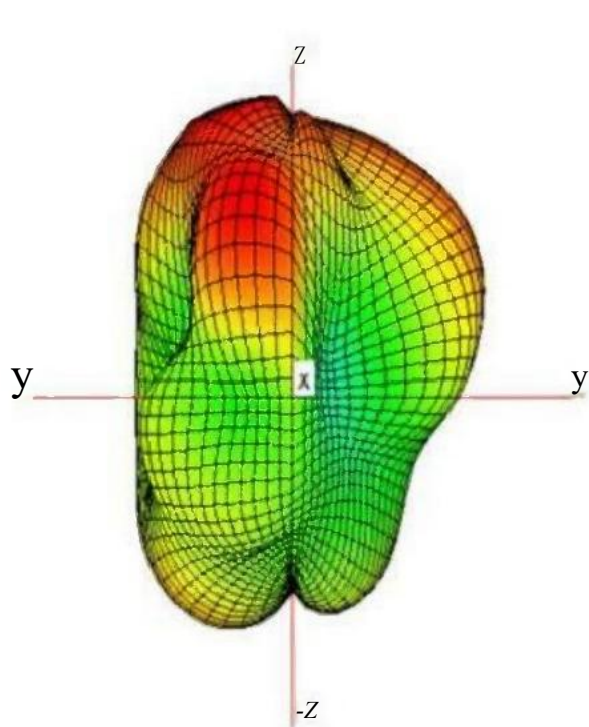
he



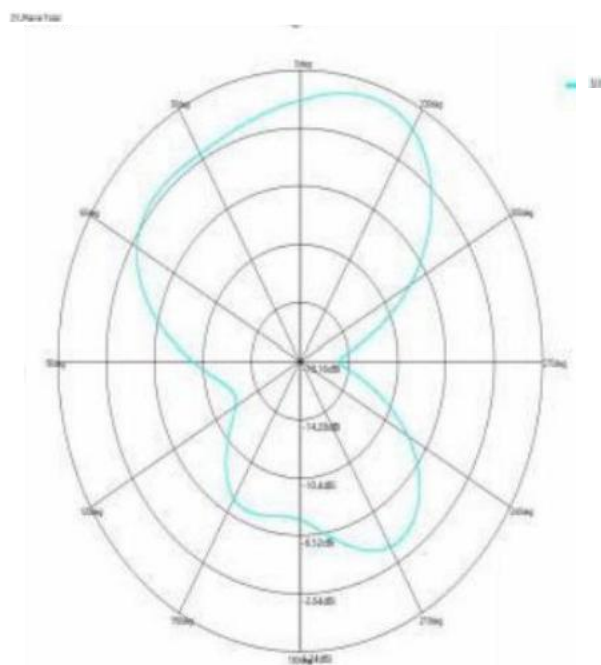
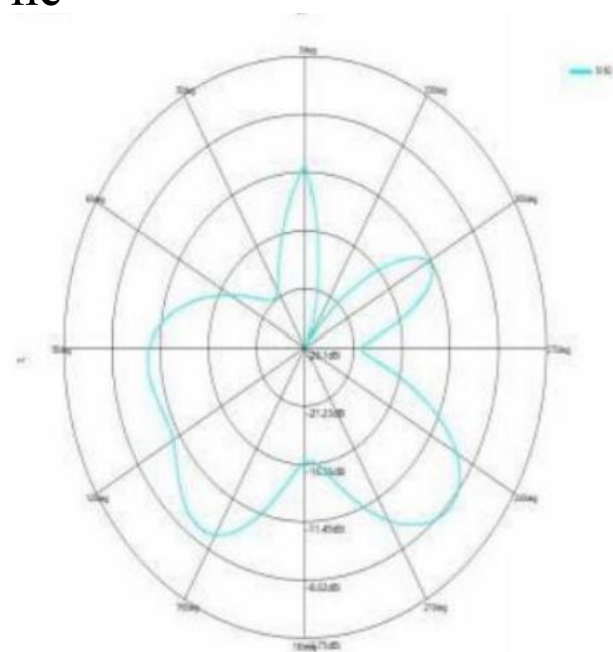
The WIFI antenna at 2500 Mhz



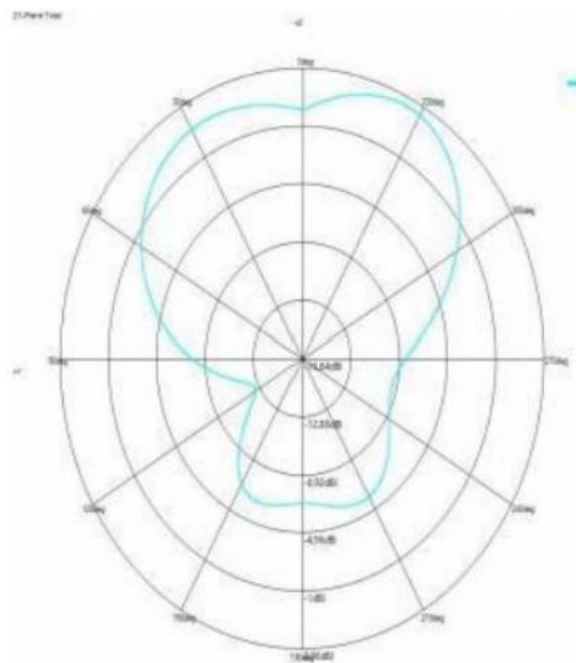
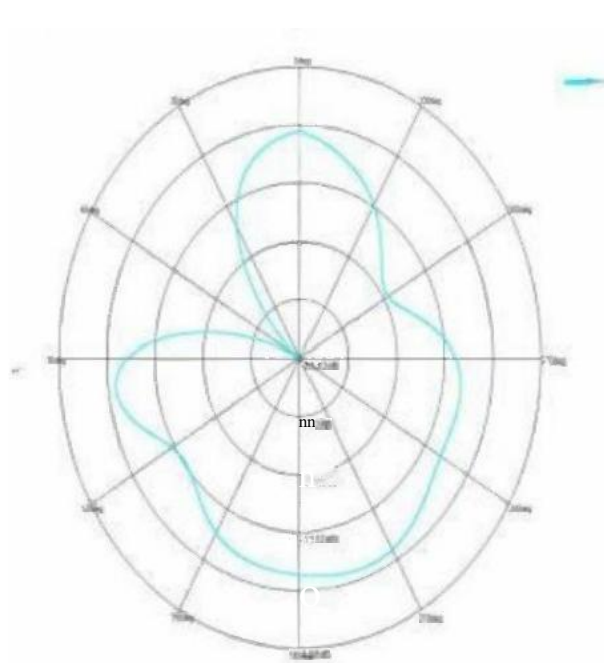
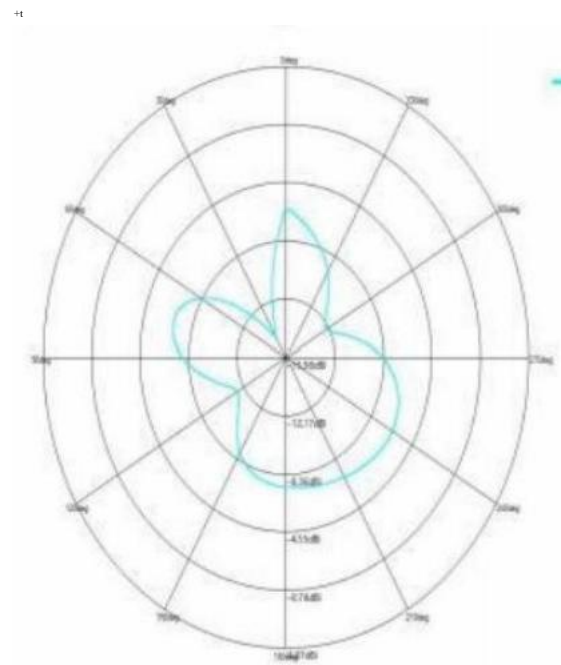
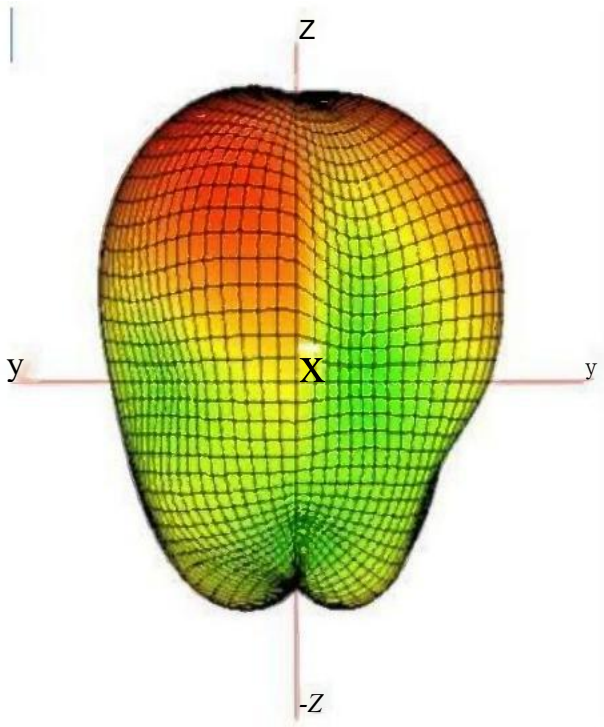
The WIFI antenna at 5150 Mhz



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The WIFI antenna at 5450 Mhz





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The WIFI antenna at 5850 Mhz

