

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Customer Device Name:	N/A	HL Device Name:	N/A
Version:	Initial Release	Approval Date:	2026-06-25

Internal Approval		
Approved By:	Checked By:	Prepared By:
		TIAN XIANG
Customer Approval		
Jiangxi Xusheng Electronics Co., Ltd. East side of Jinguang Avenue, south side of Huangjin Avenue, Chengxi Industrial Park, Jishui Industrial Park, Jishui County, Ji'an City, Jiangxi Province		

Revision:

Date	Rev	Description of Changes
2018-03-09	A	Initial Release

1、Products Electrical

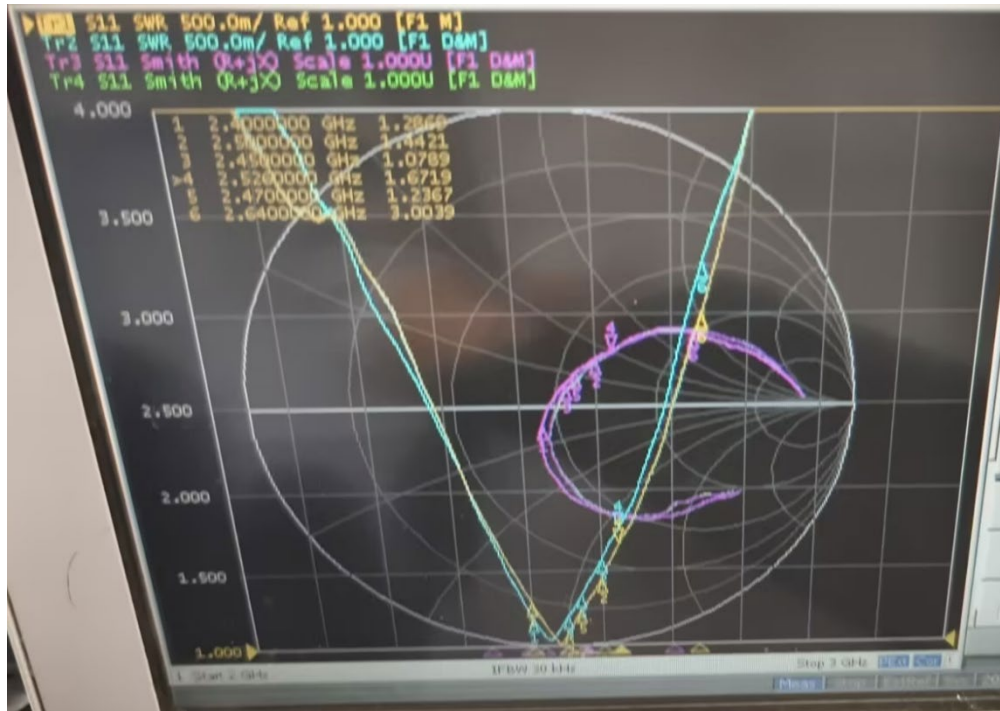
PCB Antenna

1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR	<2
4	Broadband	>100MHz
5	Impedance	50 ohm
6	MaxGain	3.45db wifi 1.78db ESL 2.4G
7	Polarization	LP

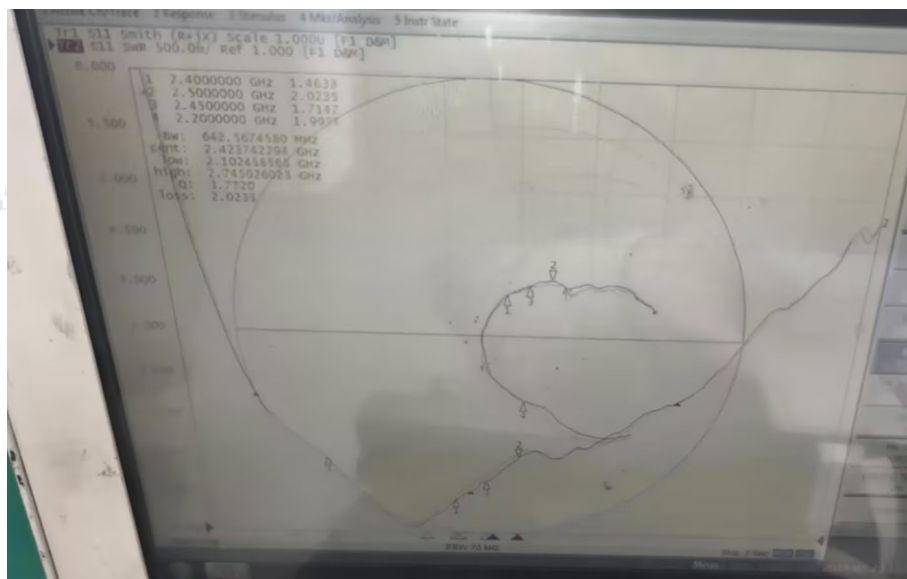
2、Antenna Test Data

2.1 VSWR

单面屏 wifi ANT

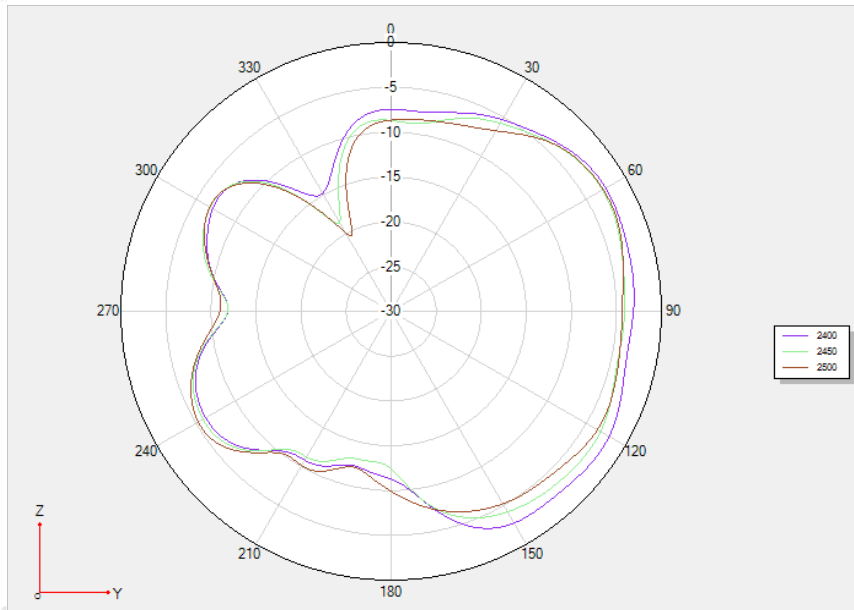
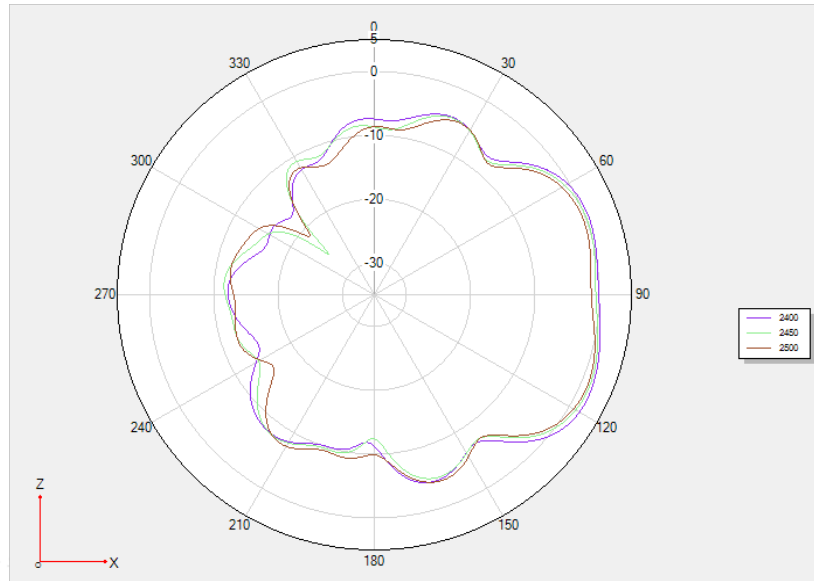


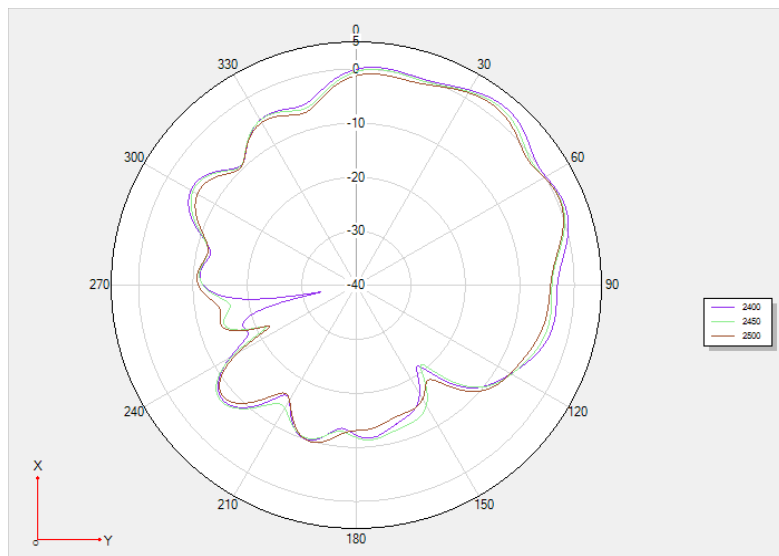
单面屏 2.4G ANT



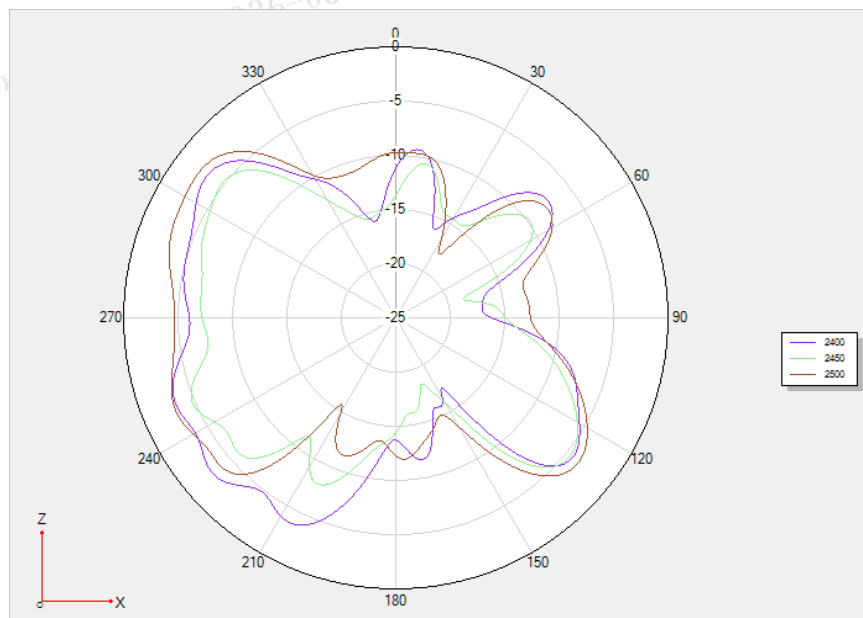
2.2 RADIATION PATTERNS

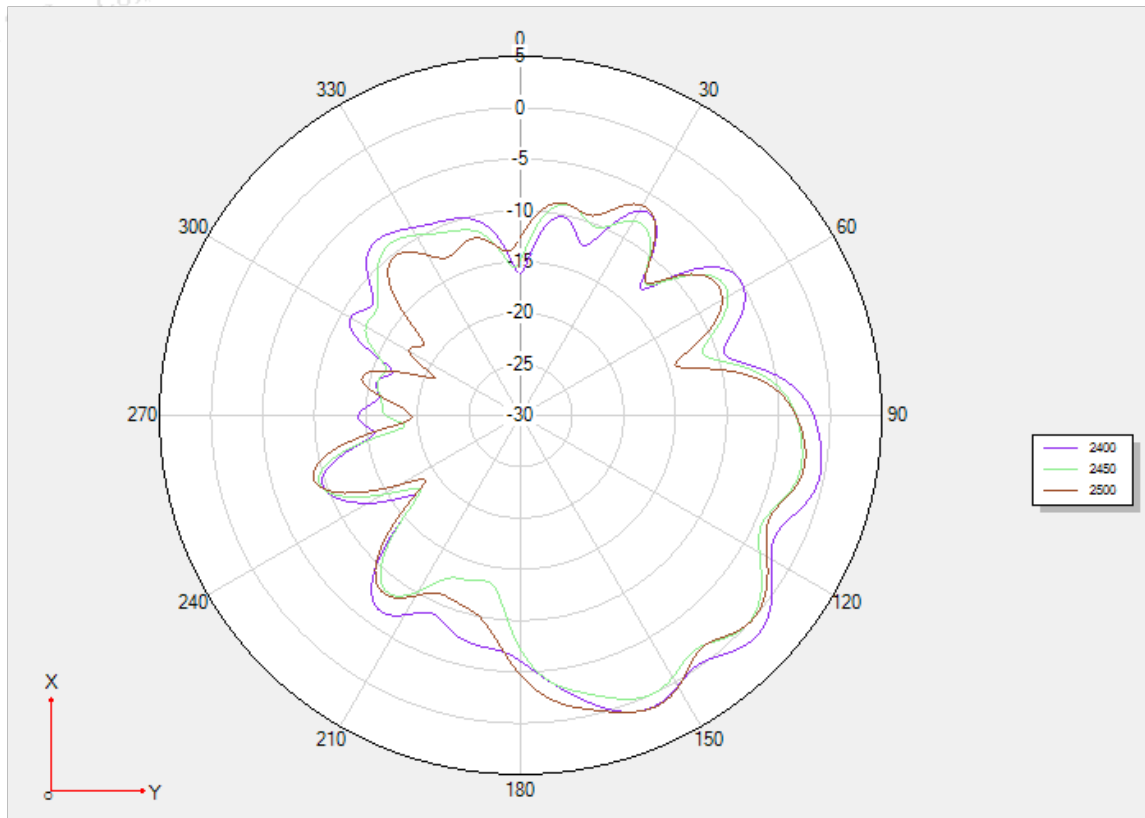
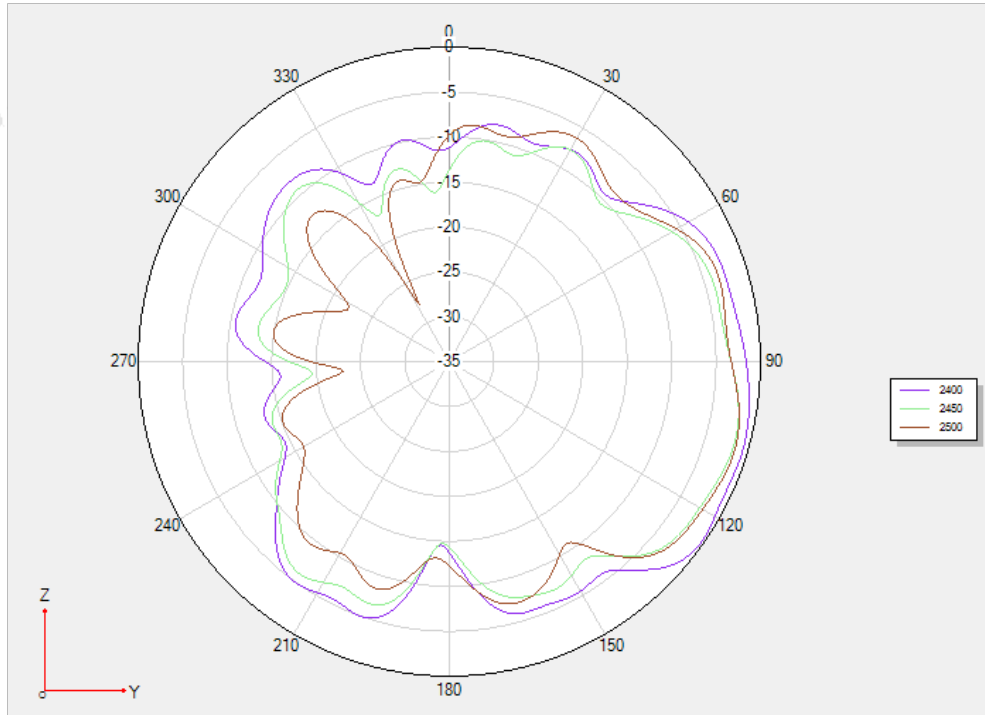
单屏 wifi





单屏 2.4G





2.3 GAIN AND EFFICIENCY

单屏 wifi

Frequency	Efficiency	Efficiency / %
2350	-4.34	36.81
2360	-4.1	38.9
2370	-4.14	38.55
2380	-3.87	41.02
2390	-3.83	41.4
2400	-3.73	42.36
2410	-3.78	41.88
2420	-3.68	42.85
2430	-3.51	44.57
2440	-3.88	40.93
2450	-3.72	42.46
2460	-3.92	40.55
2470	-3.94	40.36
2480	-4.07	39.17
2490	-4.2	38.02
2500	-4.22	37.84
2510	-3.89	40.83
2520	-3.99	39.9
2530	-4.17	38.28
2540	-4.32	36.98
2550	-4.2	38.02

Frequency	MaxGain/dBi
2350	1.87
2360	2.07
2370	2.25
2380	2.48
2390	2.76
2400	3.24
2410	3.17
2420	3.21
2430	3.45
2440	2.79
2450	2.64
2460	2.56
2470	2.42
2480	2.7
2490	2.6
2500	2.02
2510	1.6
2520	1.36
2530	1.38
2540	0.97
2550	1.17

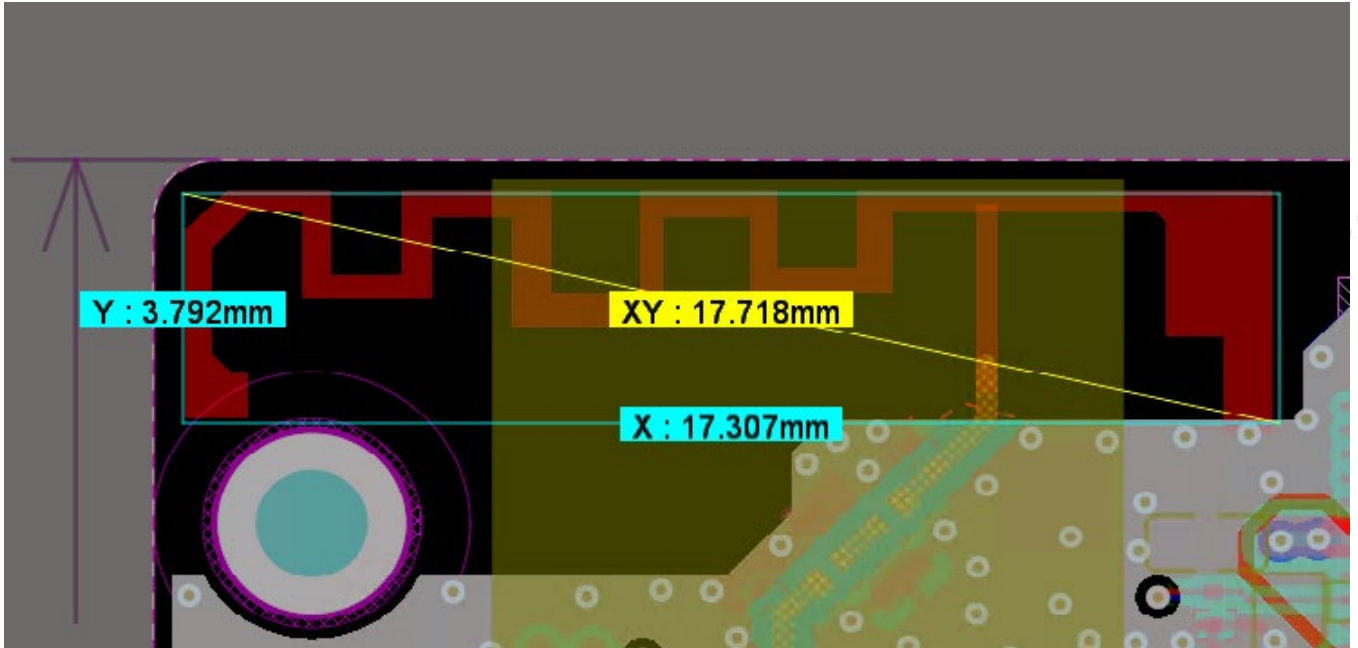
单屏 2.4G

Frequency/MHz	Efficiency/d	Efficiency/%
2350	-3.17	48.19
2360	-3.24	47.42
2370	-3.23	47.53
2380	-3.36	46.13
2390	-3.74	42.27
2400	-3.42	45.50
2410	-3.33	46.45
2420	-3.61	43.55
2430	-3.66	43.05
2440	-3.53	44.36
2450	-3.65	43.15
2460	-3.8	41.69
2470	-3.59	43.75
2480	-3.73	42.36
2490	-3.87	41.02
2500	-3.65	43.15
2510	-3.55	44.16
2520	-4.12	38.73
2530	-3.54	44.26
2540	-3.86	41.11
2550	-4.03	39.54

Frequency	MaxGain/dBi
2350	1.12
2360	1.55
2370	1.34
2380	0.72
2390	0.72
2400	1.78
2410	1.31
2420	0.74
2430	1.07
2440	0.55
2450	0.27
2460	0.83
2470	1.48
2480	1.58
2490	1.44
2500	1.31
2510	0.9
2520	0.45
2530	0.92
2540	1.11
2550	1.02

3、PCB ANTENNA (MM)

Wifi ant



2.4G ant

