

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

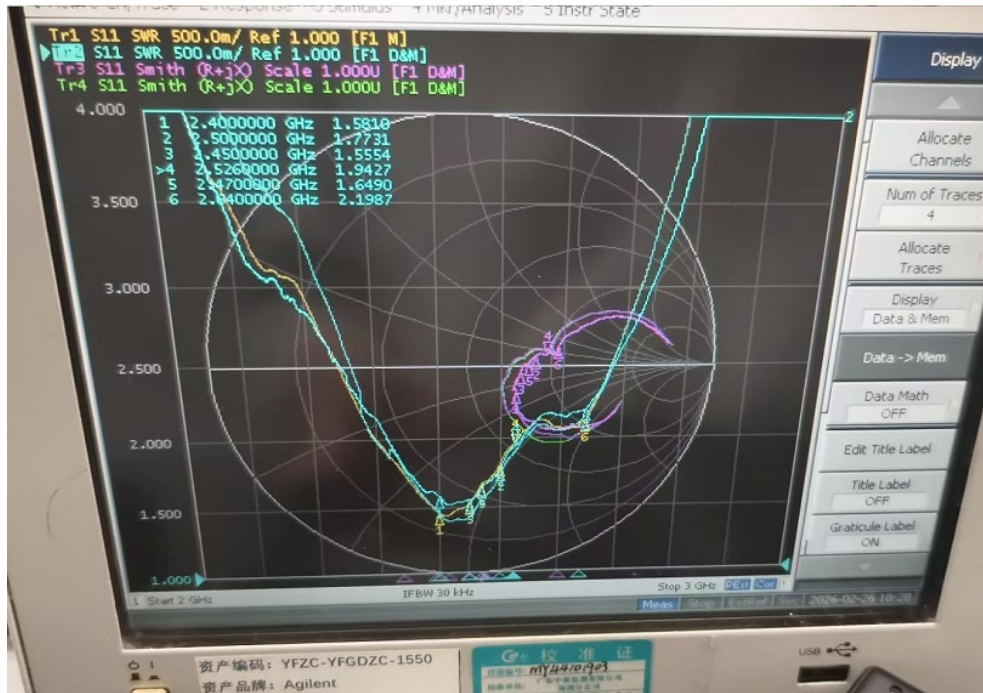
PCB Antenna

1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR	<2
4	Broadband	>100MHz
5	Impedance	50 ohm
6	MaxGain	3.63db wifi -0.07db ESL 2.4G
7	Polarization	LP

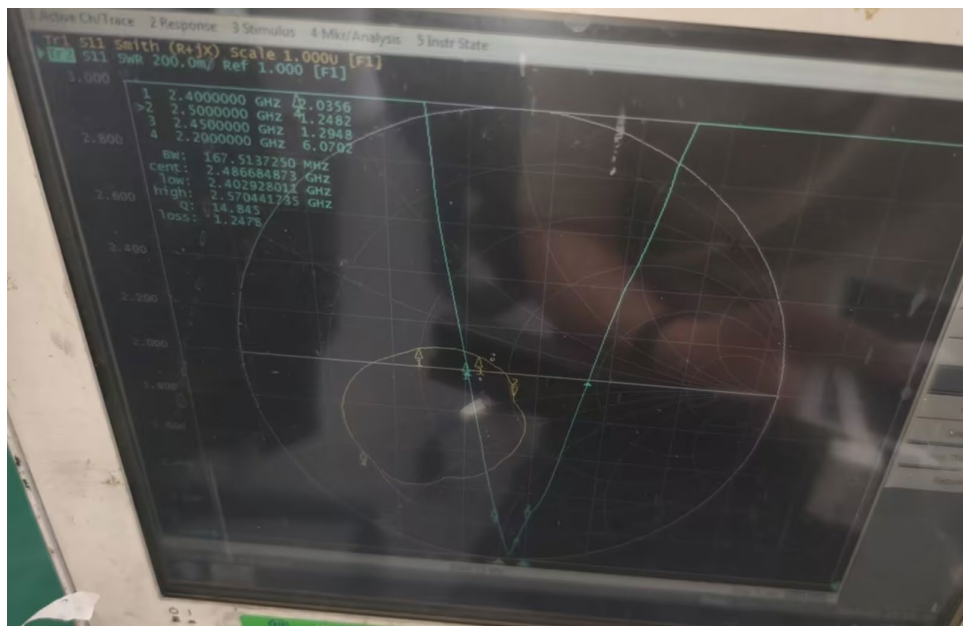
2、Antenna Test Data

2.1 VSWR

双面屏 wifi ANT

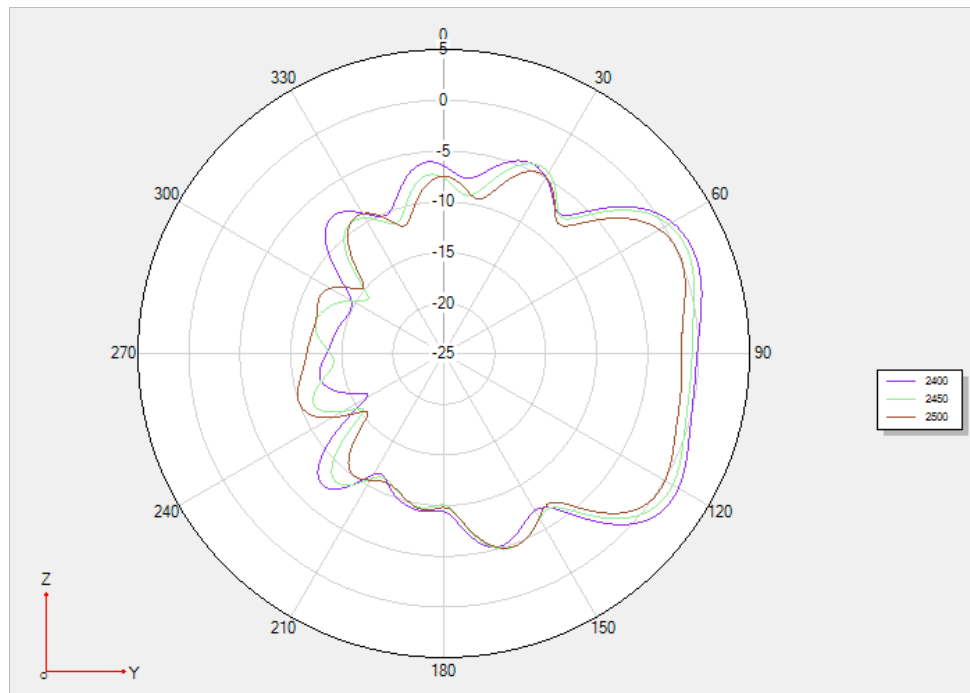
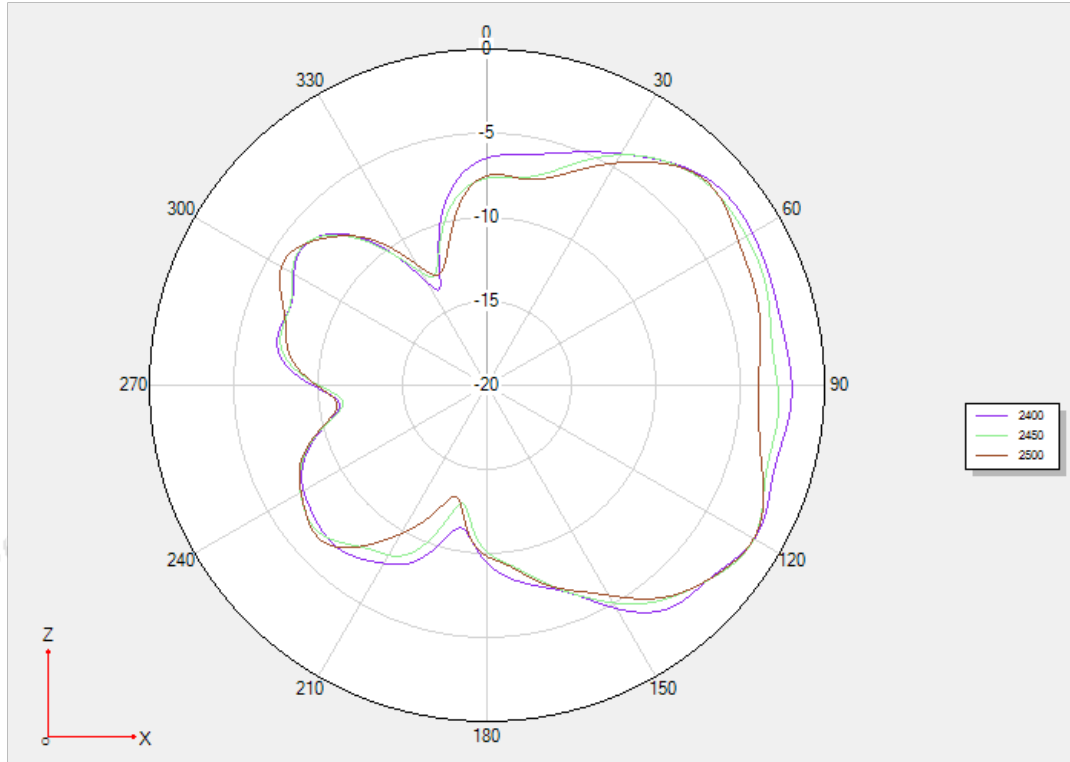


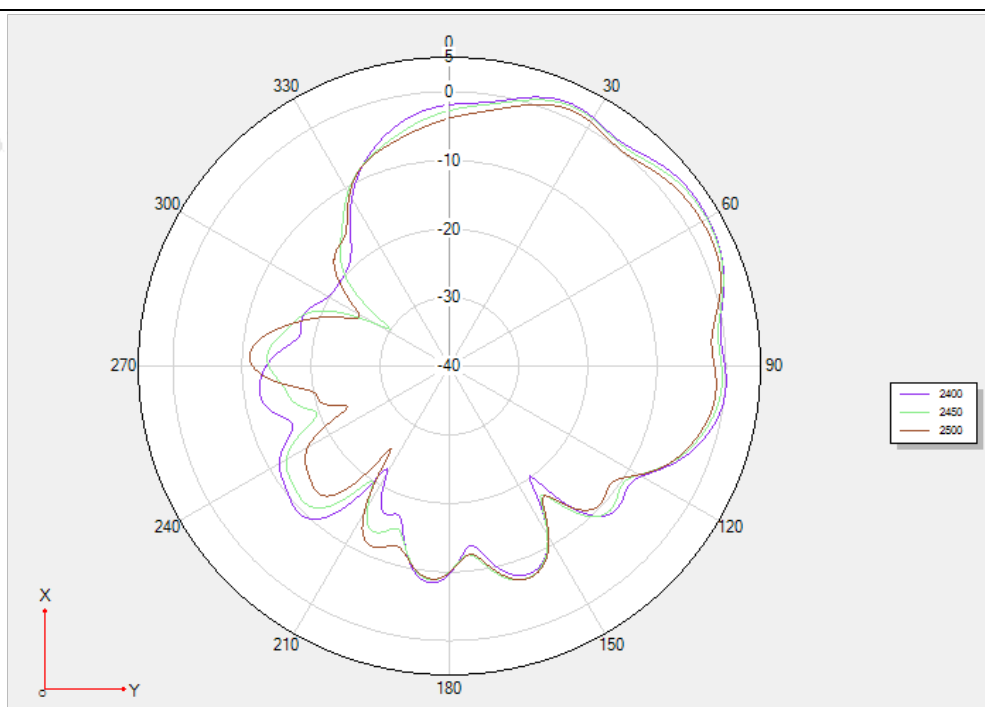
双面屏 2.4G ANT



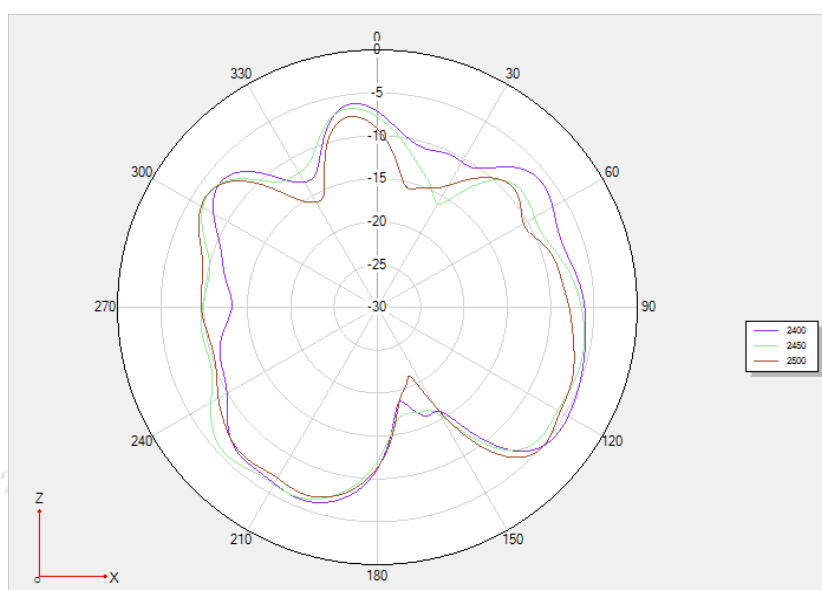
2.2 RADIATION PATTERNS

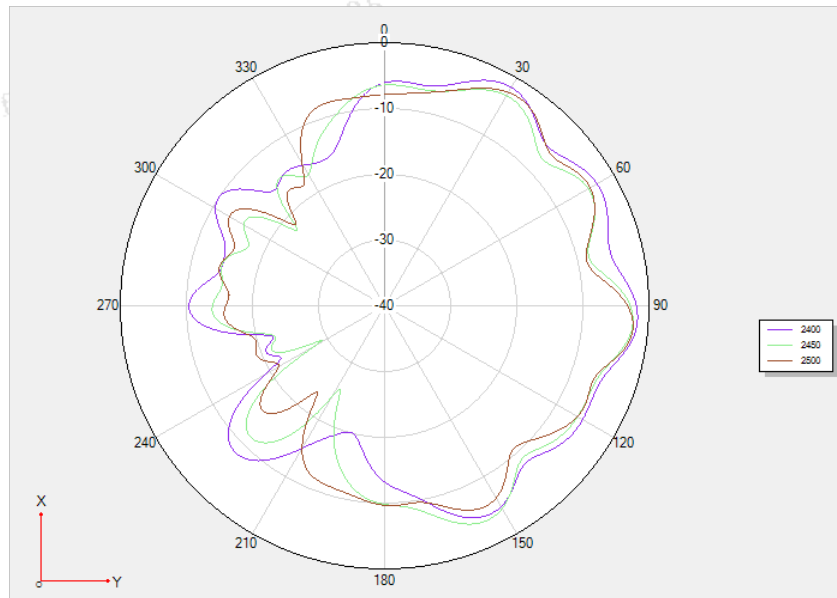
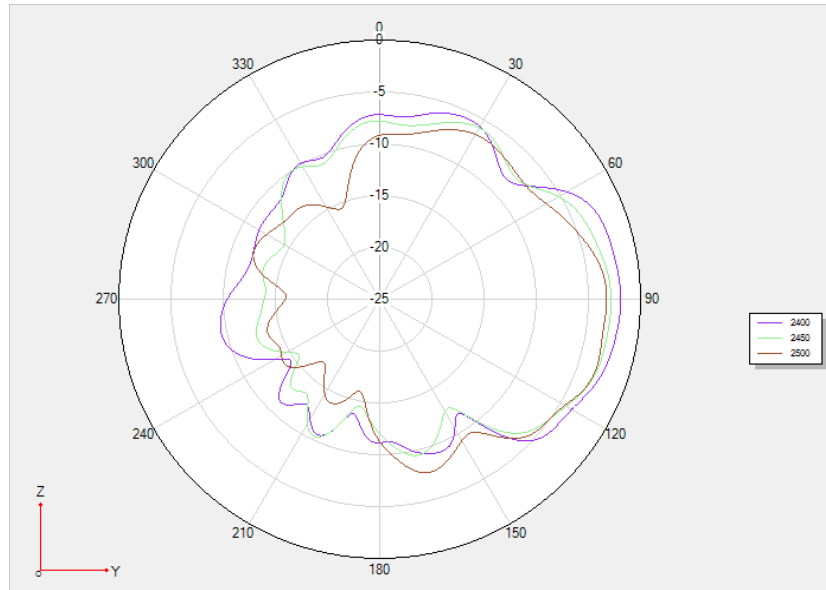
双屏 wifi





双屏 2.4G





2026-06-25 2.3 GAIN AND EFFICIENCY

双屏 wifi

Frequency	Efficiency	Efficiency / %
2350	-4.01	39.72
2360	-3.72	42.46
2370	-3.93	40.46
2380	-3.65	43.15
2390	-3.65	43.15
2400	-3.5	44.67
2410	-3.52	44.46
2420	-3.35	46.24
2430	-3.26	47.21
2440	-3.46	45.08
2450	-3.33	46.45
2460	-3.56	44.06
2470	-3.62	43.45
2480	-3.72	42.46
2490	-3.9	40.74
2500	-3.98	39.99
2510	-3.7	42.66
2520	-3.95	40.27
2530	-4.11	38.82
2540	-4.45	35.89
2550	-4.33	36.9

HS1236 Confidential

HS1236 Confidential

HS1236

2026-06-25 HS1236 Confidential

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Frequency	MaxGain/dBi
2350	2.11
2360	2.38
2370	2.44
2380	2.64
2390	2.81
2400	3.48
2410	3.48
2420	3.57
2430	3.63
2440	3.3
2450	3.13
2460	3.05
2470	2.9
2480	3.12
2490	2.94
2500	2.36
2510	1.84
2520	1.6
2530	1.27
2540	0.88
2550	1.05

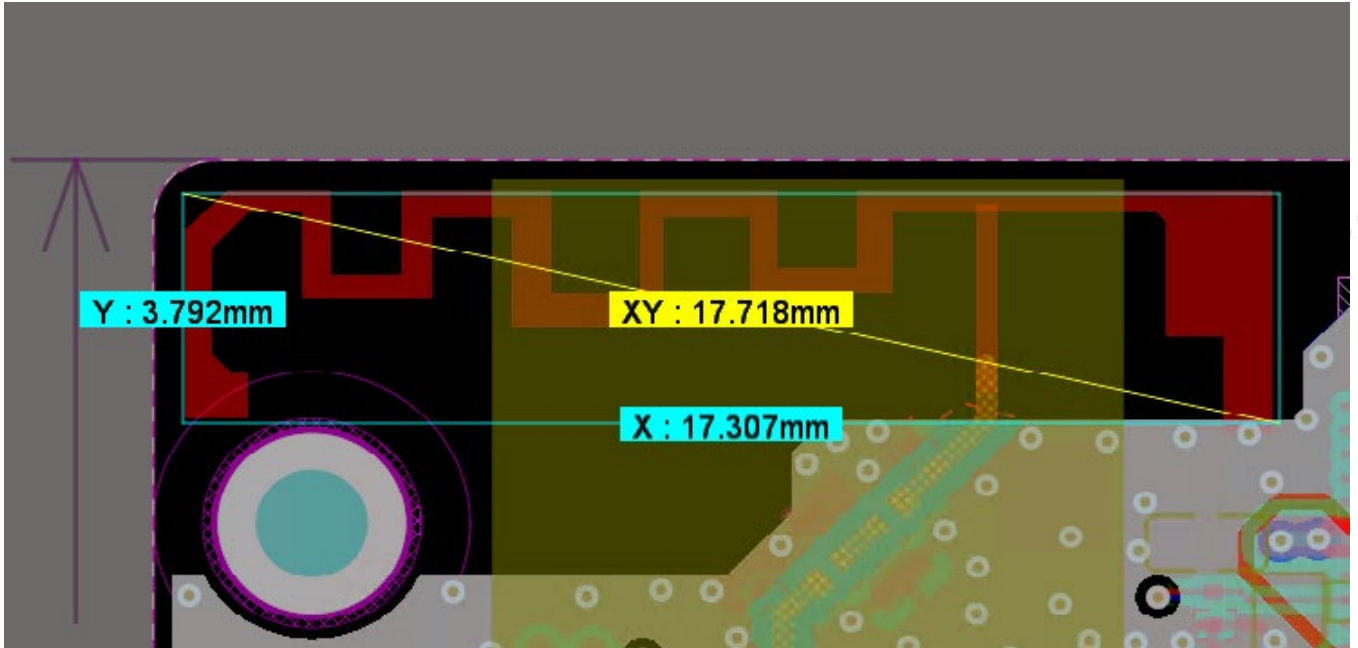
双屏 2.4G

Frequency/MHz		
2350	-6.16	24.21
2360	-6.41	22.86
2370	-6.49	22.44
2380	-5.61	27.48
2390	-5.32	29.38
2400	-5.7	26.92
2410	-5.36	29.11
2420	-4.96	31.92
2430	-5.17	30.41
2440	-5.56	27.80
2450	-5.17	30.41
2460	-5.37	29.04
2470	-5.48	28.31
2480	-5.44	28.58
2490	-5.57	27.73
2500	-5.85	26.00
2510	-5.32	29.38
2520	-5.46	28.44
2530	-5.78	26.42
2540	-5.75	26.61
2550	-5.81	26.24

Frequency	MaxGain/dBi
2350	-2.5
2360	-2.46
2370	-2.49
2380	-1.95
2390	-1.08
2400	-0.4
2410	-0.33
2420	-0.08
2430	-0.07
2440	-1.14
2450	-1.11
2460	-0.88
2470	-0.96
2480	-0.91
2490	-1.02
2500	-1.29
2510	-1.53
2520	-1.61
2530	-1.92
2540	-1.73
2550	-1.65

3、PCB ANTENNA (MM)

Wifi ant



2.4G ant

