

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
CustomerP/N:	N/A	HL P/N:	N/A
Productmodel:	HSEL4_01_54M_30	HL Device Name:	N/A
Pcbantenna brand:	Fuxiang	Approval Date:	2023-12-14

Internal Approval		
Approved By:	Checked By:	Prepared By:
		Zhang Bin
Customer Approval		

Revision:

Date	Rev	Description of Changes
2021-10-18	A	Initial Release

1、Products Electrical

PCB Antenna

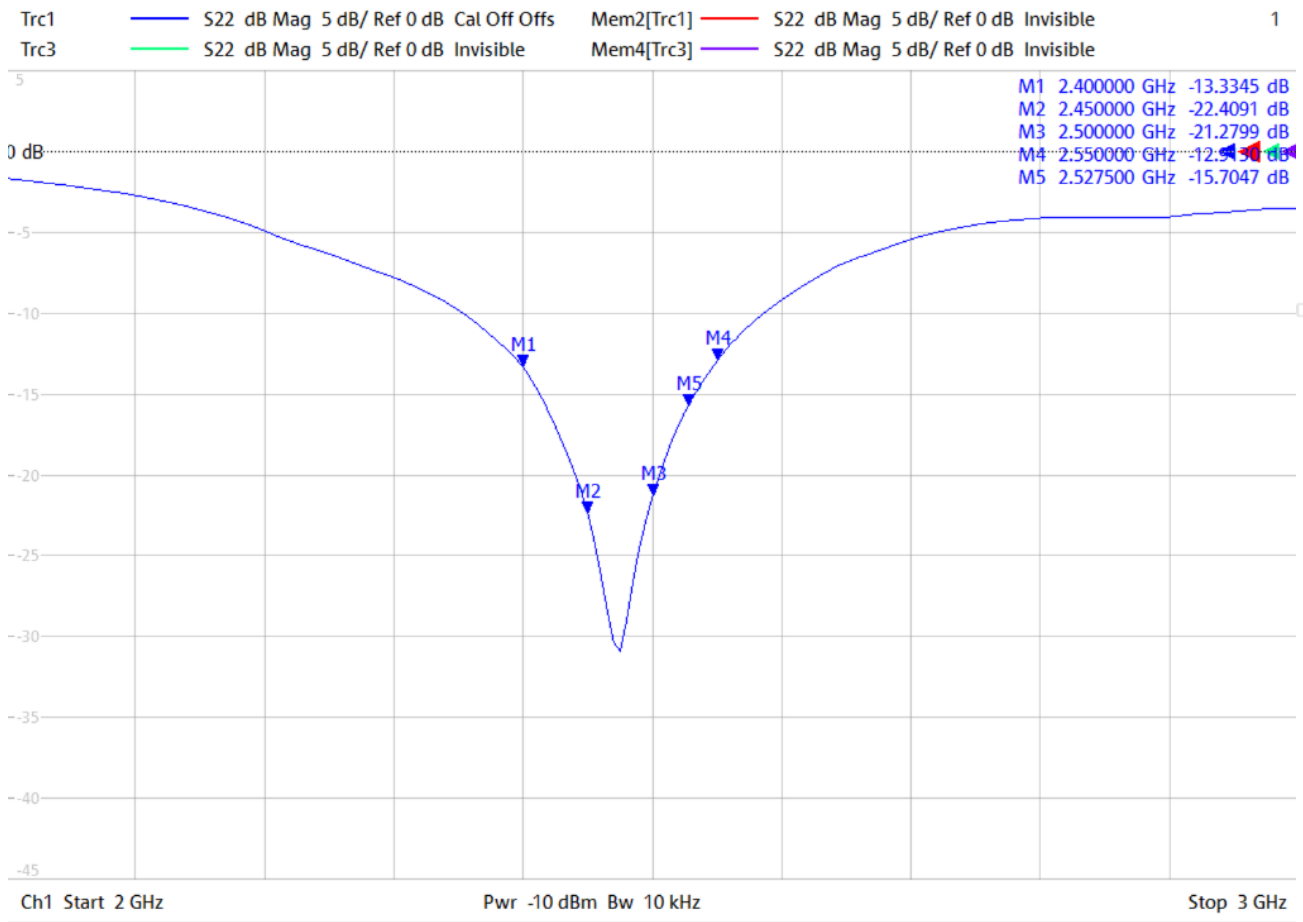
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR	<2
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-0.4dbi
7	Polarization	LP

2、Antenna Test Data

2024-03-29

2.1VSWR

5/10/2023 4:32:43 PM
1311.6010K42-101830-Fs



HS1455

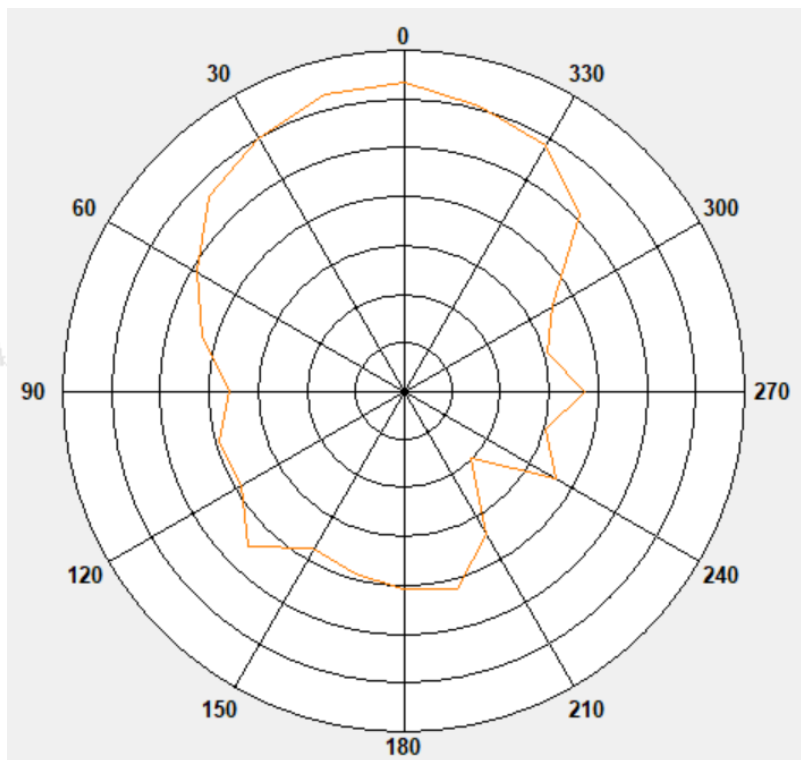
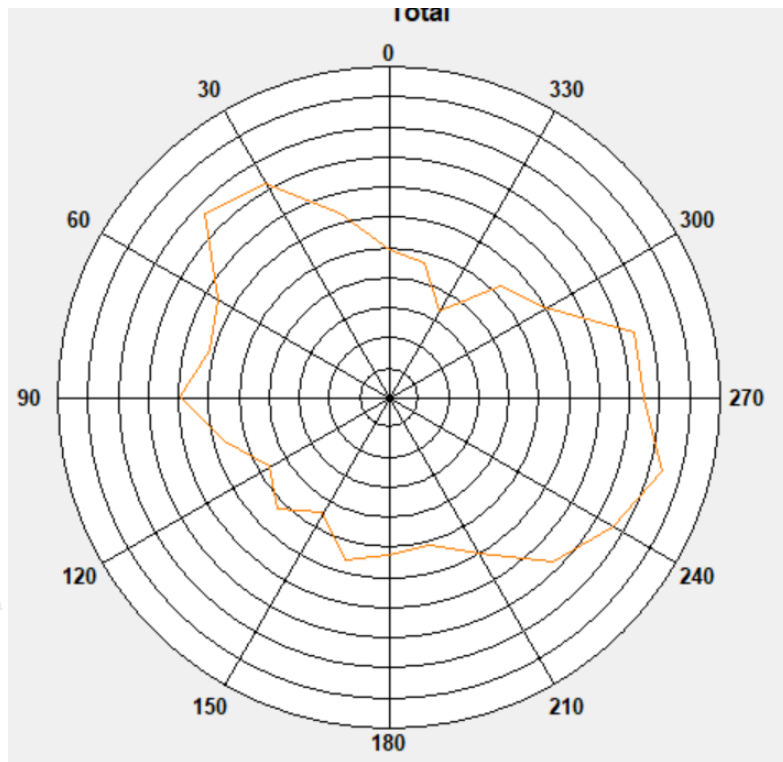
Confident

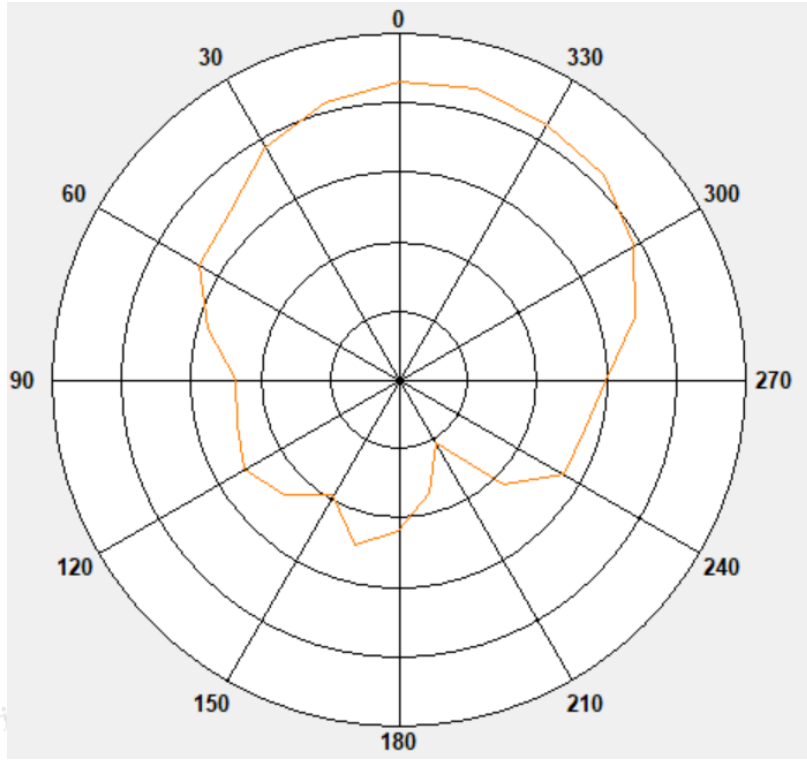
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2.2 RADIATION PATTERNS 2450MHz





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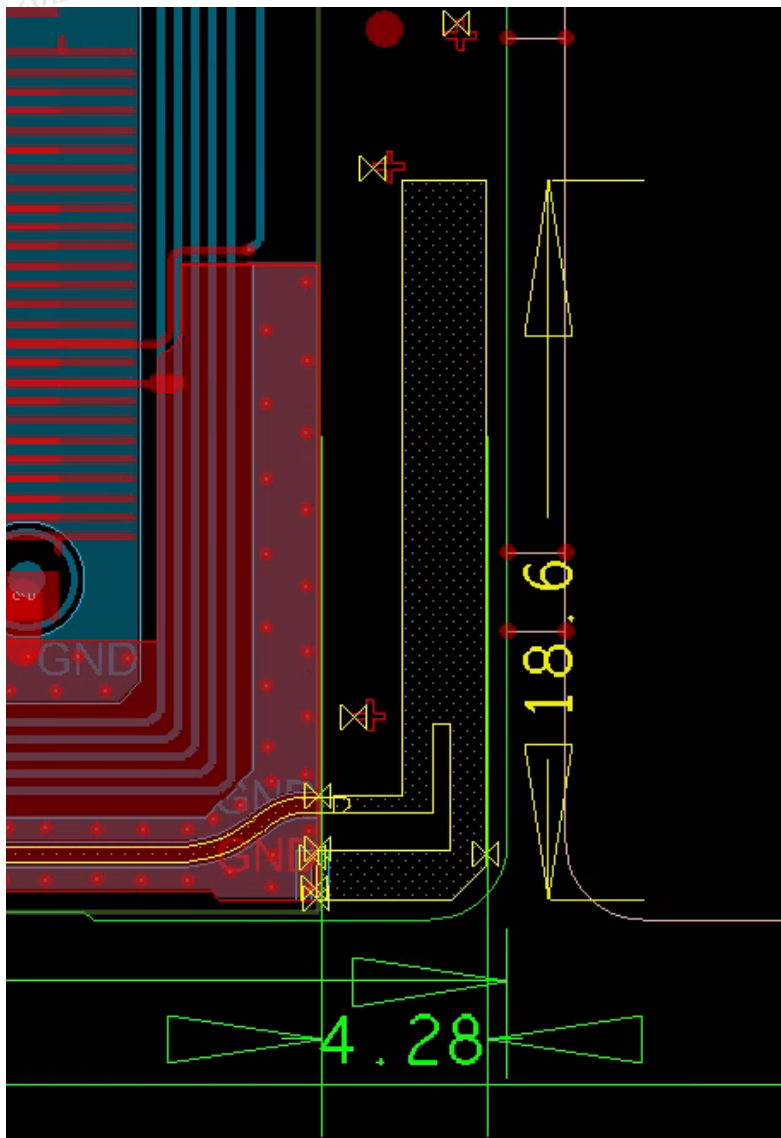
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2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	37.6	-0.4
2410	35.0	-0.6
2420	31.4	-1.2
2430	33.3	-1.5
2440	33.5	-1.4
2450	35.8	-1.4
2460	34.2	-0.6
2470	34.0	-0.5
2480	34.6	-0.7
2490	32.5	-1.2
2500	33.2	-1.3

3、PCB ANTENNA (MM)



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