

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSEL4Q_05_83M_11	HL Device Name:	N/A
Pcb antenna brand:	Yuwei	Approval Date:	2024-2-12

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

Revision:

Date	Rev	Description of Changes
2023-9-22	A	Initial Release

1、Products Electrical

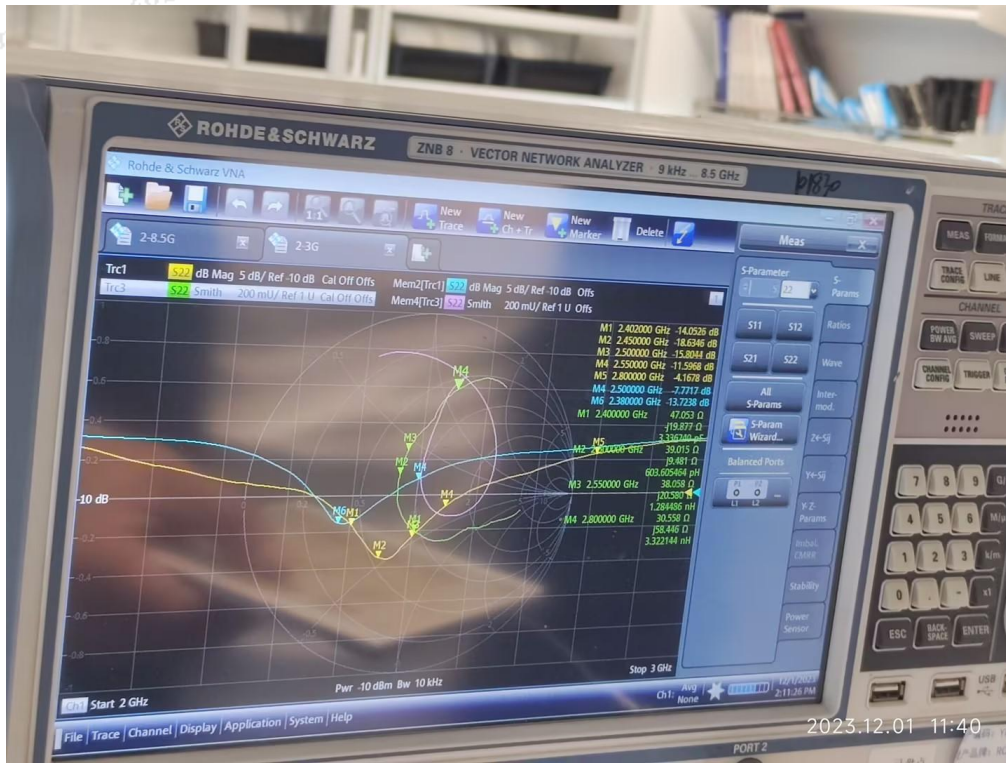
PCB Antenna

1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.0dBi
7	Polarization	LP

2、Antenna Test Data

2.1VSWR

2024-06-28



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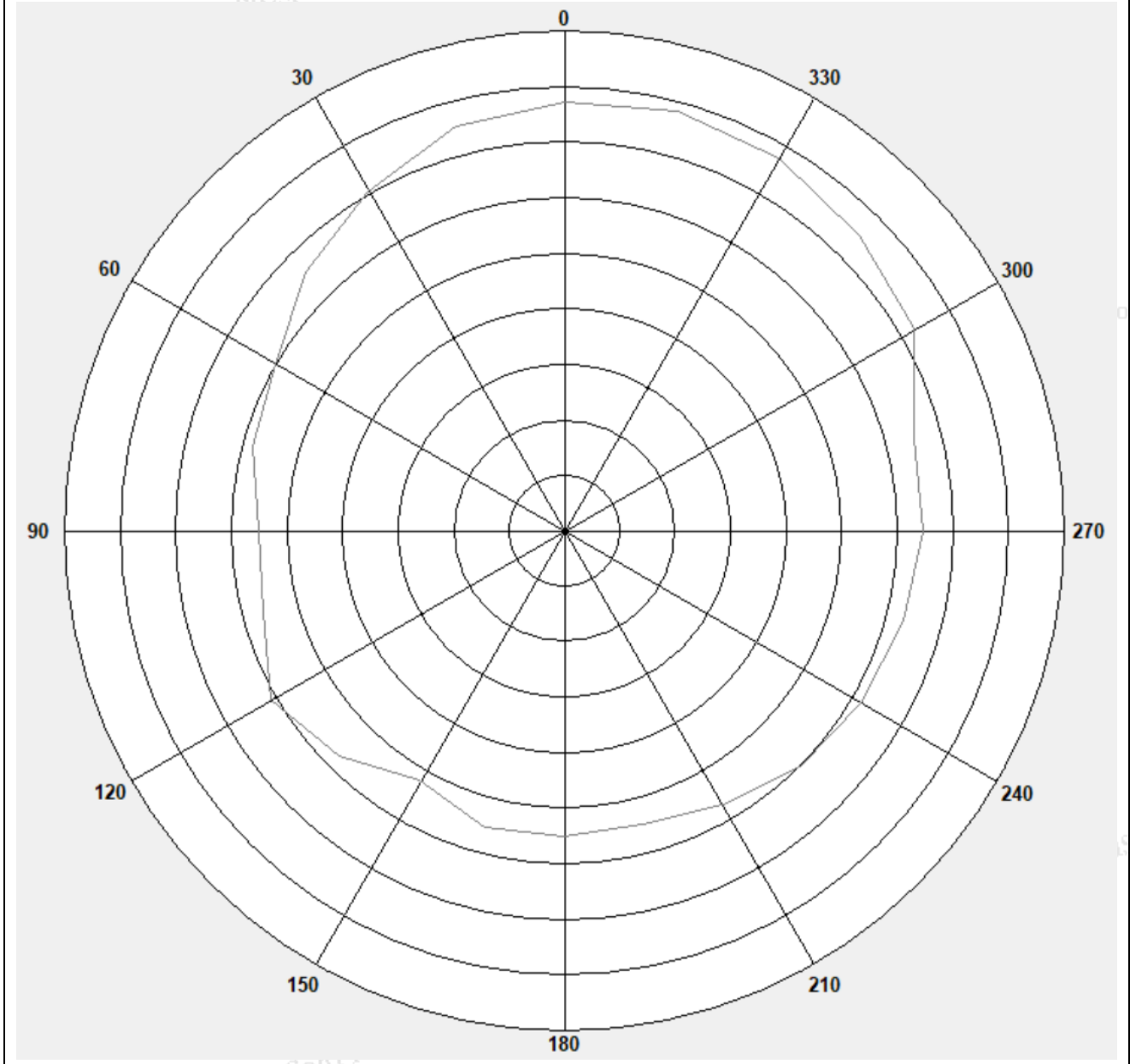
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2.2 RADIATION PATTERNS 2450MHz

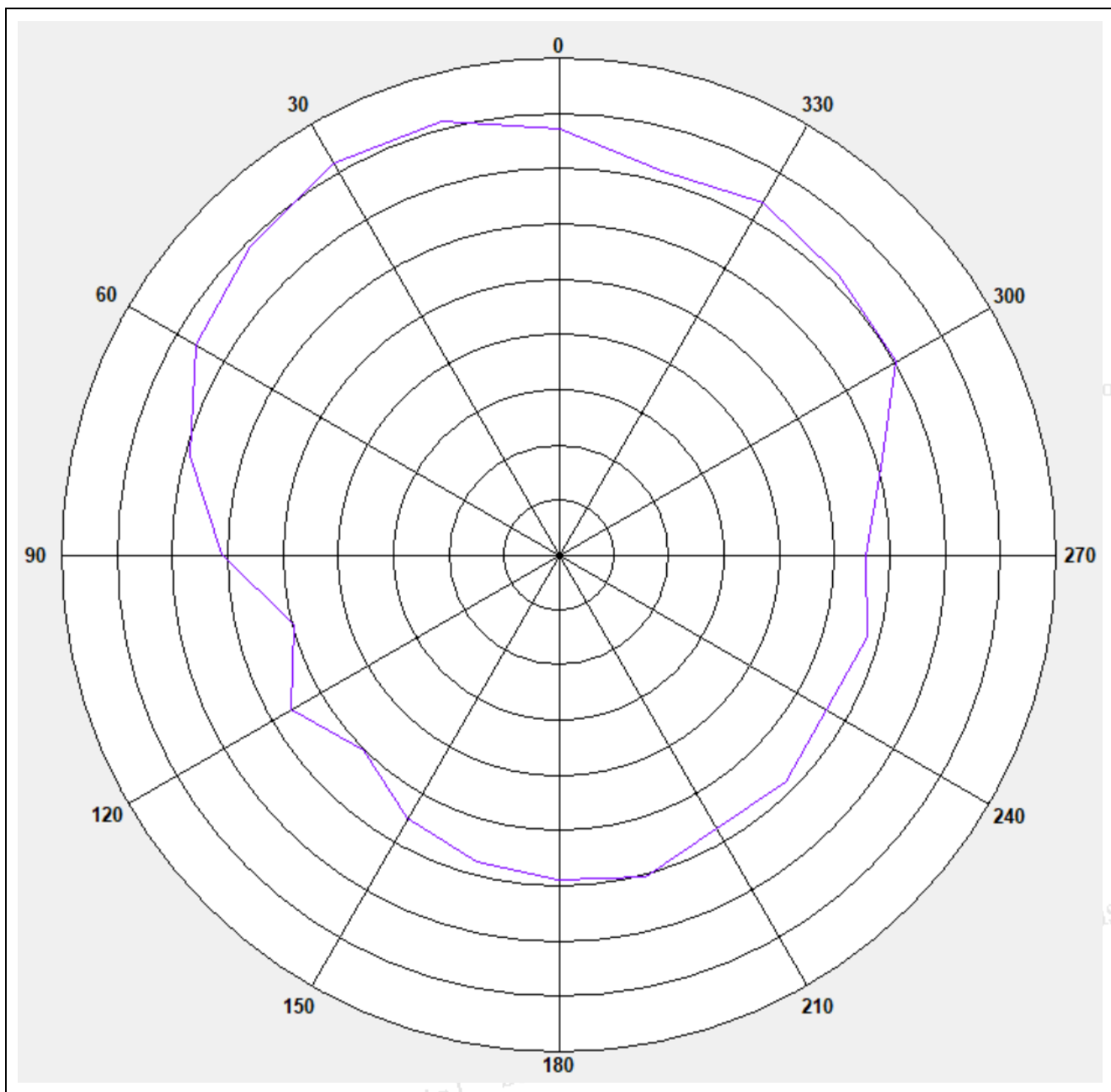


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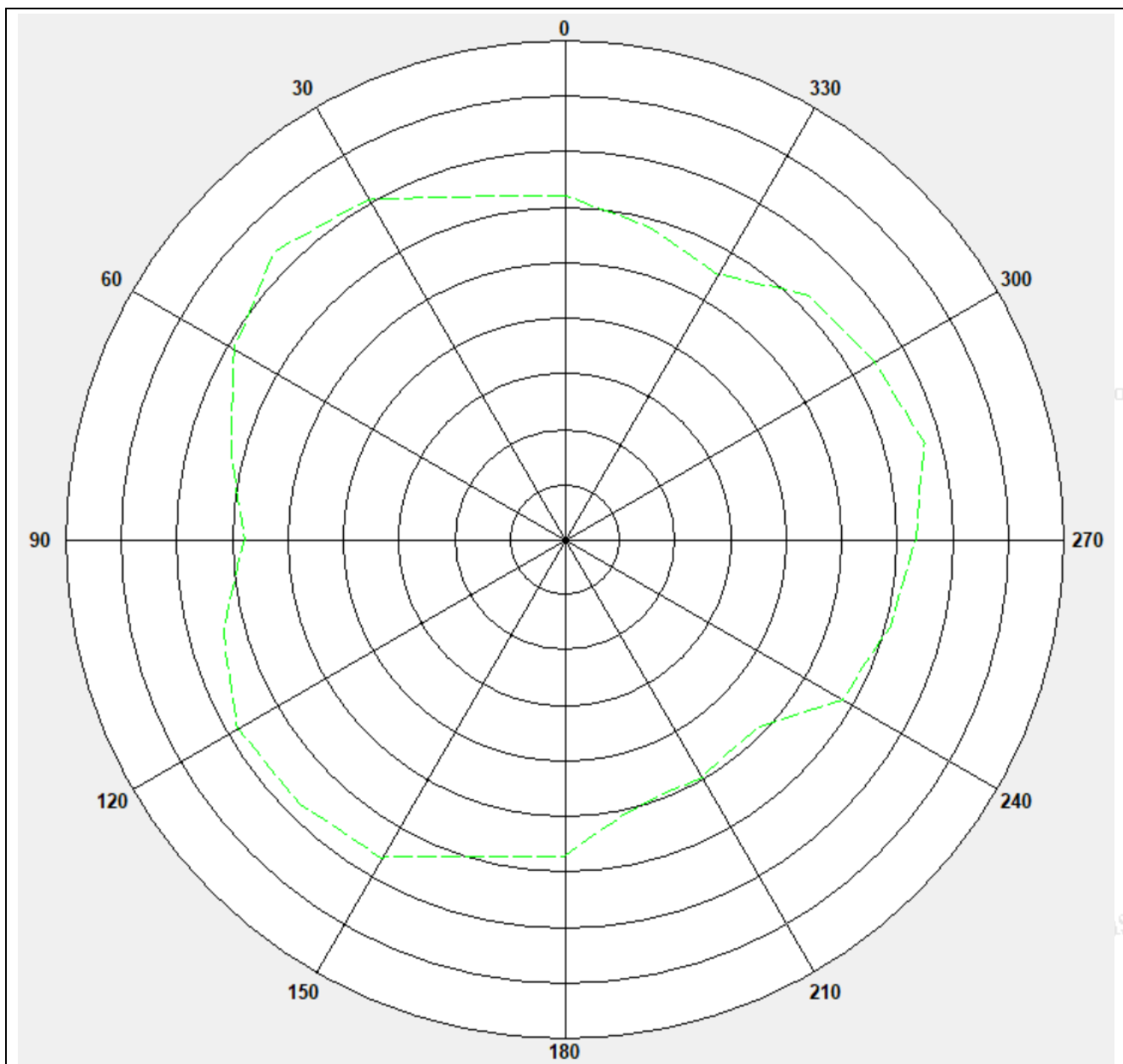
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2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	39.6	-1.5
2410	40.0	-1.4
2420	39.4	-1.1
2430	39.3	-1.4
2440	41.5	-1.0
2450	40.8	-1.3
2460	40.2	-1.3
2470	41.0	-1.2
2480	38.6	-1.5
2490	39.5	-1.3
2500	38.1	-1.4

3、PCB ANTENNA (MM)

