

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_02_66M_31	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2025-4-13

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

Revision:

Date	Rev	Description of Changes
2024-11-13	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	-0.1dbi
7	Polarization	LP

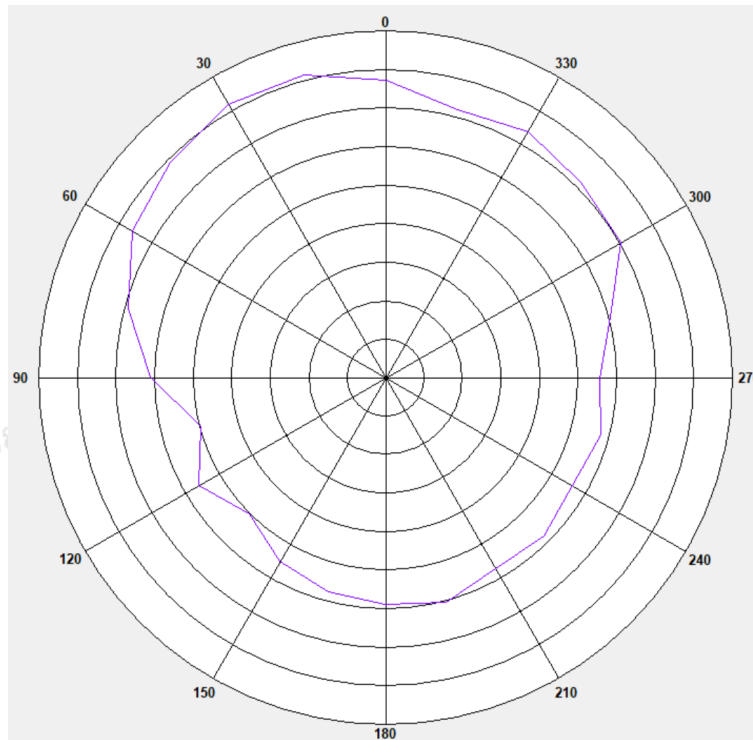
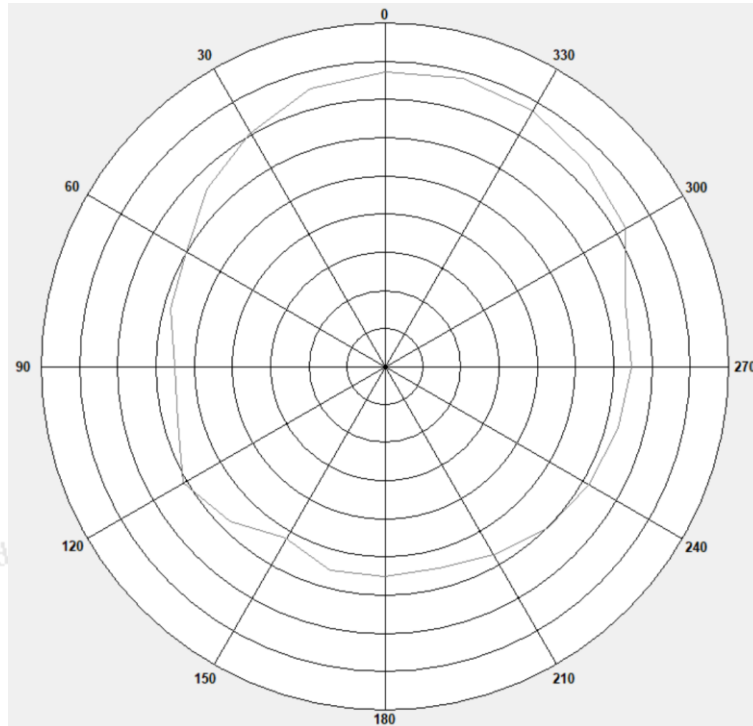
2、Antenna Test Data

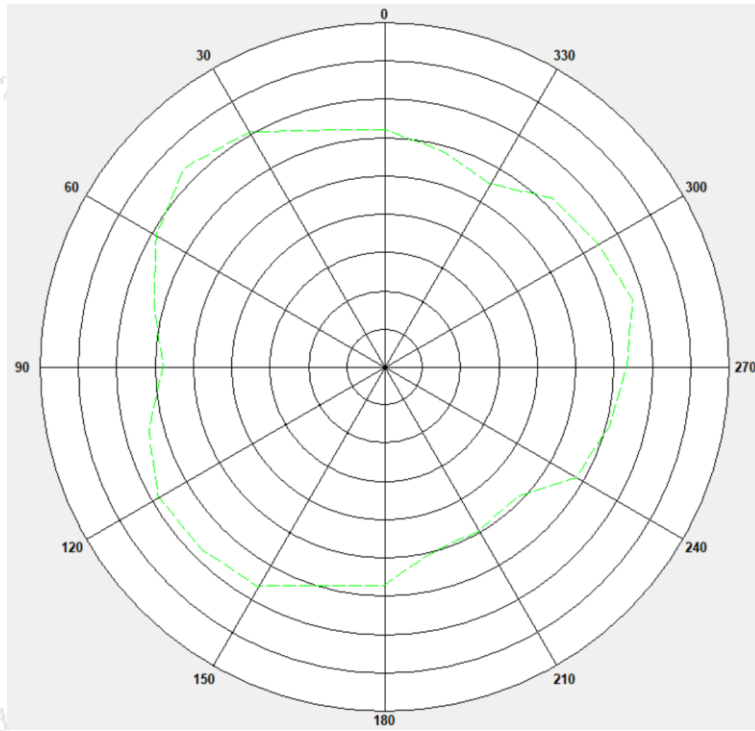
2.1 VSWR



2.2 RADIATION PATTERNS

2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	37.47	-0.56
2410	36.87	-0.42
2420	39.32	-0.29
2430	37.42	-0.28
2440	41.46	-0.32
2450	40.88	-0.1
2460	40.93	-0.59
2470	41.11	-0.71
2480	38.9	-0.79
2490	37.98	-1.18
2500	37.73	-1.04

3、PCB ANTENNA (MM)

