

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_03_50MGF_3 1	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2025-7-13

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

Revision:

Date	Rev	Description of Changes
2024-11-13	A	Initial Release

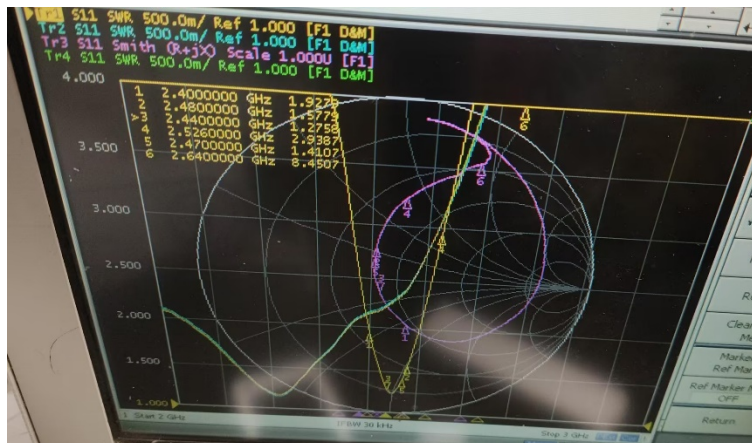
1、Products Electrical

PCB Antenna

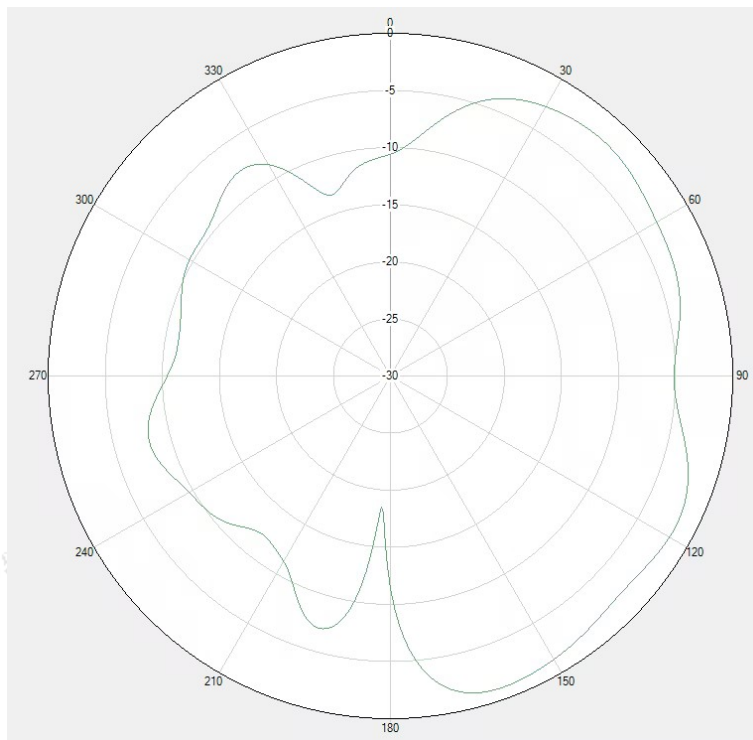
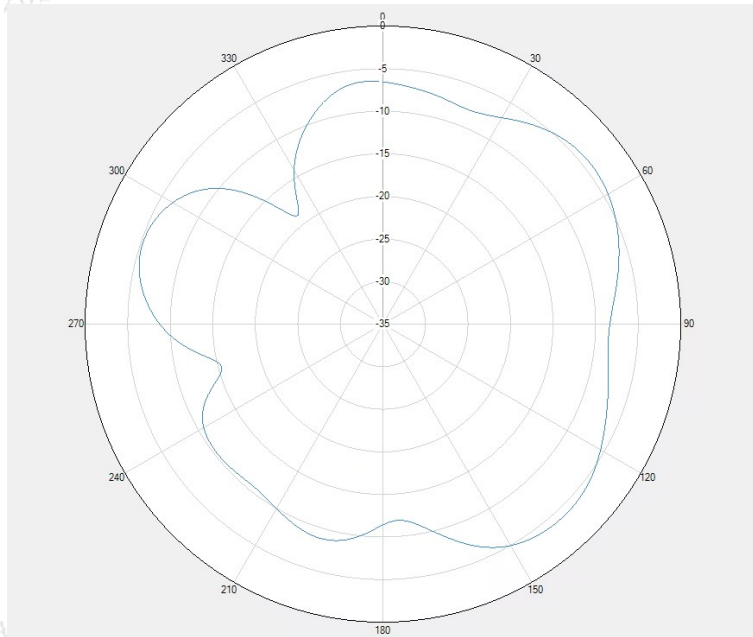
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.1dBi
7	Polarization	LP

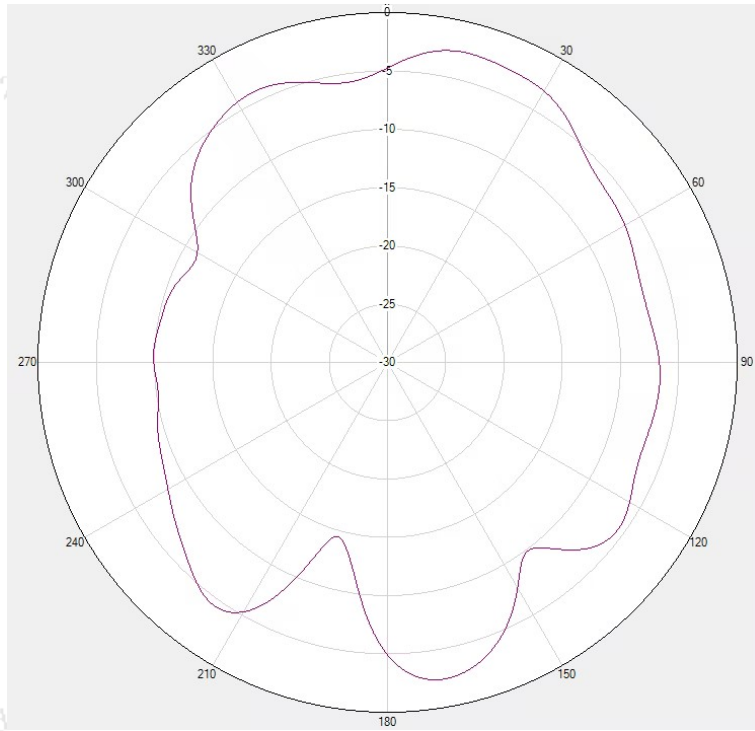
2、Antenna Test Data

2.1 VSWR



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	25.4	-1.5
2410	28.8	-1.4
2420	29.3	-1.4
2430	28.4	-1.3
2440	26.4	-1.2
2450	26.8	-1.3
2460	27.9	-1.1
2470	28.1	-1.2
2480	28.9	-1.3
2490	26.9	-1.4
2500	27.7	-1.5

3、PCB ANTENNA (MM)

