

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_04_37MG_38	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2025-07-13

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

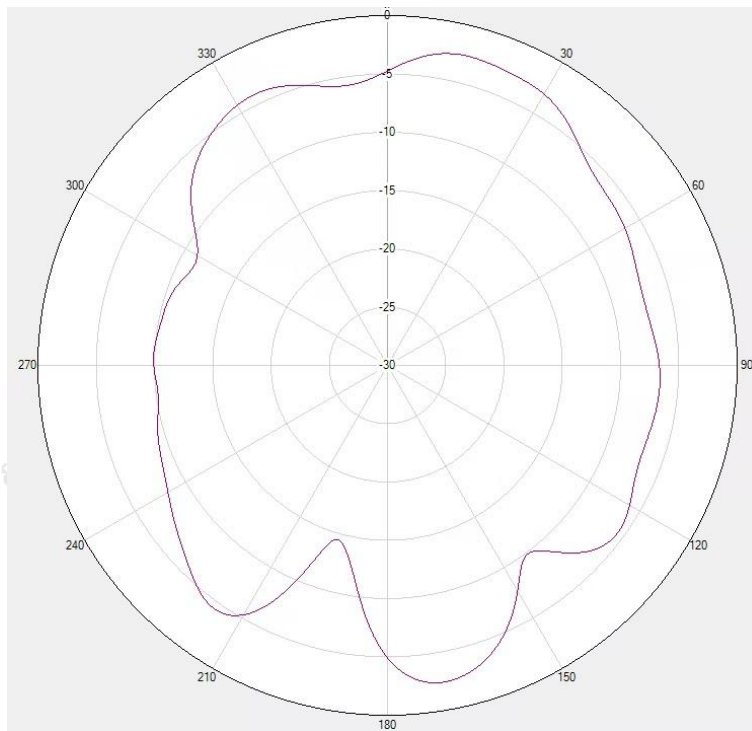
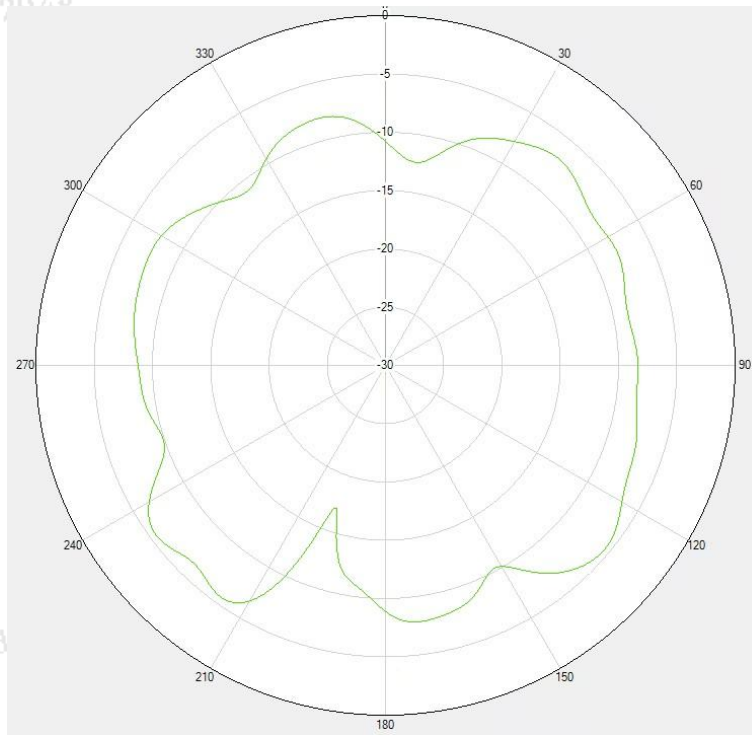
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.01dBi
7	Polarization	LP

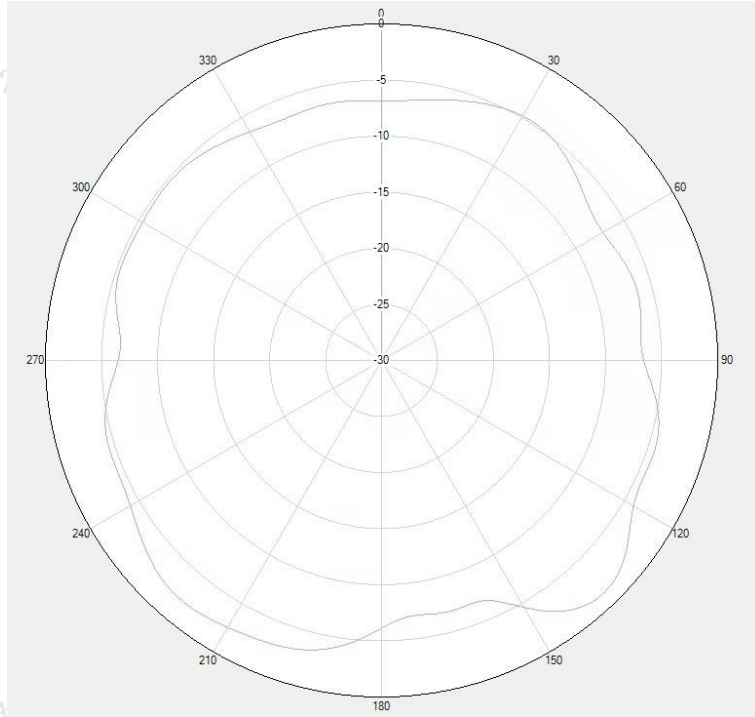
2、Antenna Test Data

2.1 VSWR 2450MHz



2.2 RADIATION PATTERNS





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	35.47	-1.57
2410	33.37	-1.66
2420	33.32	-1.59
2430	34.42	-1.51
2440	35.46	-1.52
2450	34.88	-1.4
2460	32.93	-1.59
2470	31.11	-1.71
2480	32.9	-1.59
2490	32.98	-1.08
2500	32.73	-1.01

3、PCB ANTENNA (MM)

