

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
CustomerP/N:	N/A	HL P/N:	N/A
Productmodel:	HSELAQ_02_90MG_70	HL Device Name:	N/A
Pcbantenna brand:	Xusheng	Approval Date:	2026-4-19

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

Revision:

Date	Rev	Description of Changes
2023-6-16	A	Initial Release

1、Products Electrical

PCB Antenna

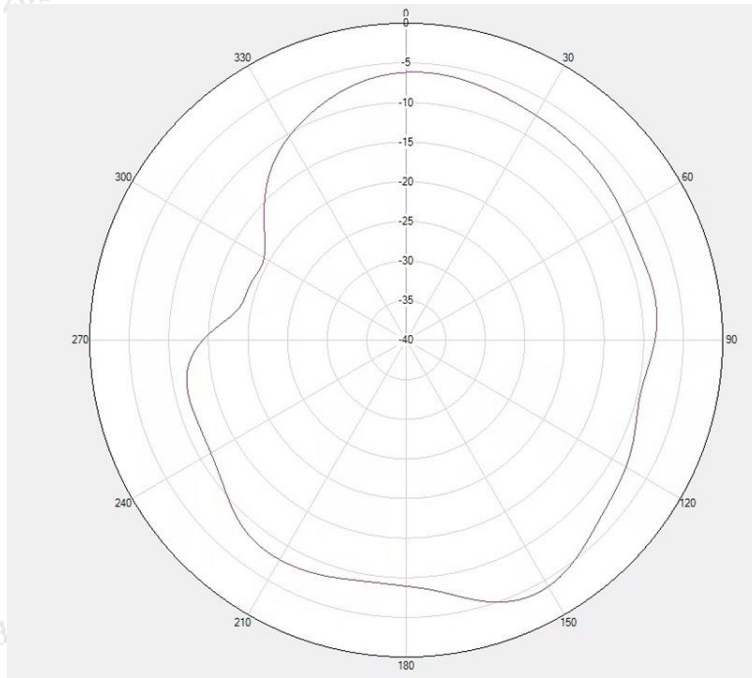
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (orreturnloss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.3dBi
7	Polarization	LP

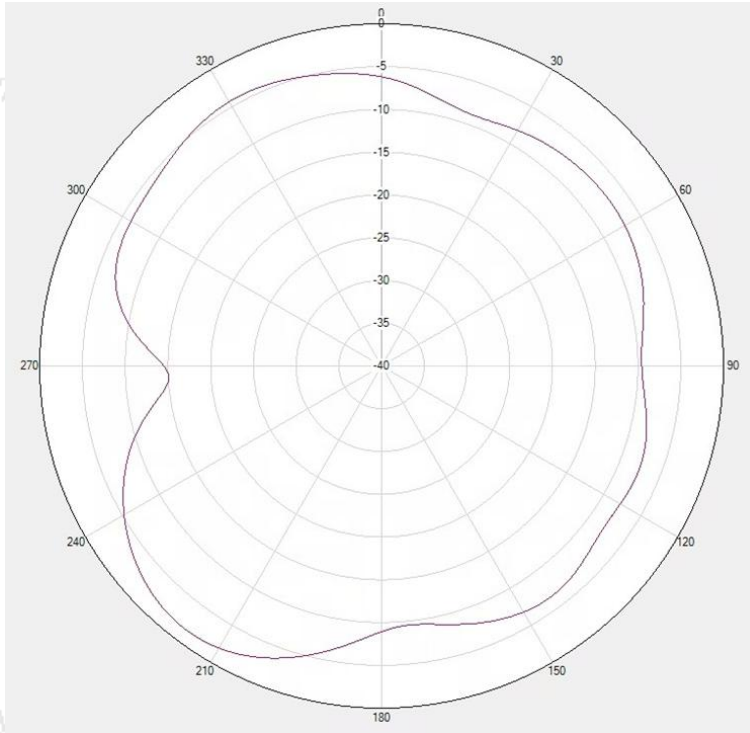
2、Antenna Test Data

2.1VSWR



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	31.3	-1.3
2410	32.0	-1.7
2420	29.4	-1.7
2430	31.3	-1.5
2440	31.3	-1.8
2450	32.1	-1.4
2460	34.2	-1.9
2470	29.0	-1.9
2480	30.1	-1.8
2490	27.1	-1.4
2500	31.2	-1.7

3、PCB ANTENNA (MM)

