

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
CustomerP/N:	N/A	HL P/N:	N/A
Productmodel:	HSELCQ_04_37MGT_A 0	HL Device Name:	N/A
Pcbantenna brand:	曜诚	Approval Date:	2026-04-03

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

Revision:

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

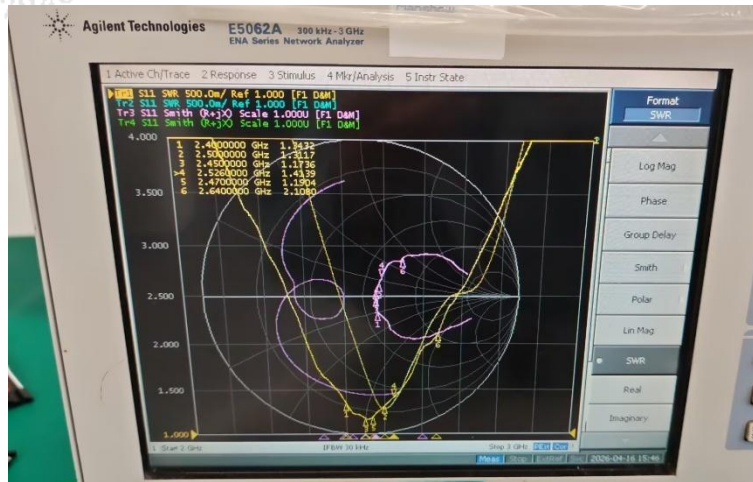
1、Products Electrical

PCB Antenna

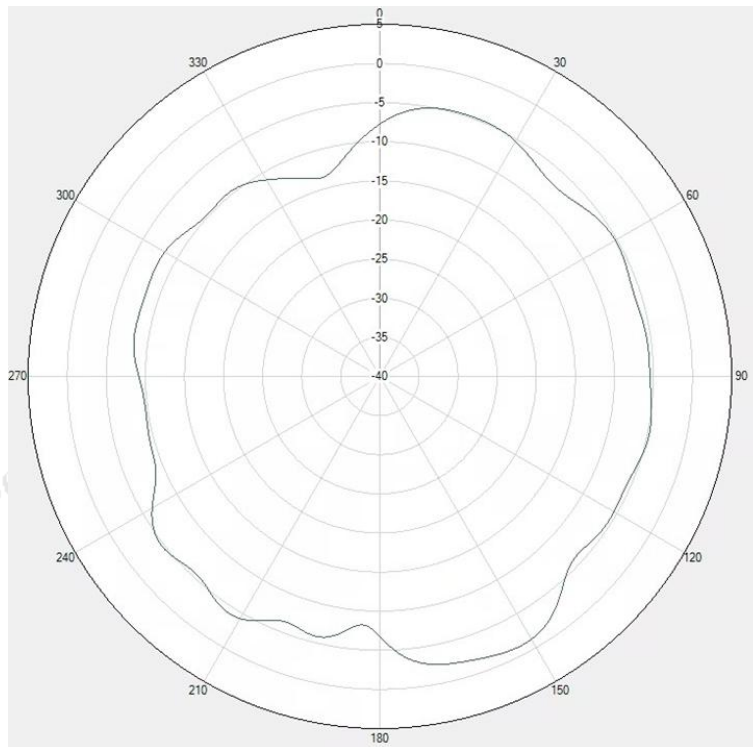
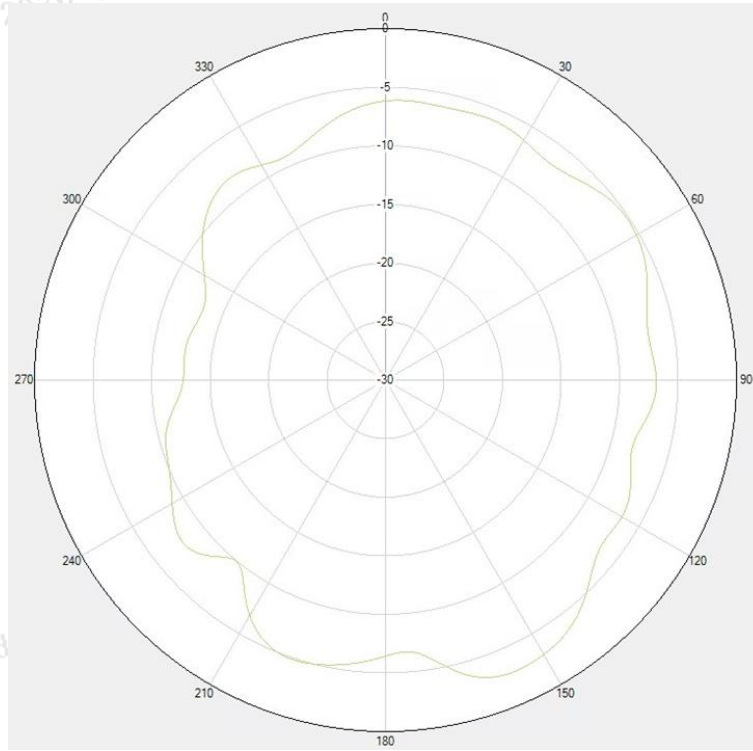
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (orreturnloss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.21dBi
7	Polarization	LP

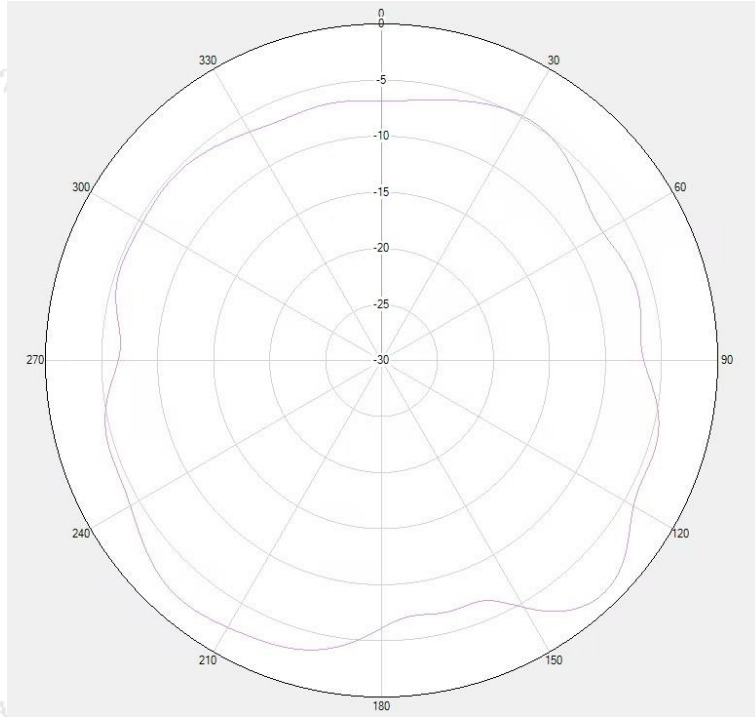
2、Antenna Test Data

2.1VSWR 2450MHz



2.2 RADIATION PATTERNS





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	32.43	-1.57
2410	31.32	-1.66
2420	30.34	-1.59
2430	32.42	-1.51
2440	32.46	-1.52
2450	31.84	-1.4
2460	32.91	-1.59
2470	31.11	-1.71
2480	32.9	-1.59
2490	32.91	-1.21
2500	32.76	-1.21

3、PCB ANTENNA (MM)

