

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
CustomerP/N:	N/A	HL P/N:	N/A
Productmodel:	HSELAQ_01_54MG_75	HL Device Name:	N/A
Pcbantenna brand:	Xusheng	Approval Date:	2026-3-8

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

Revision:

Date	Rev	Description of Changes
2024-10-18	A	Initial Release

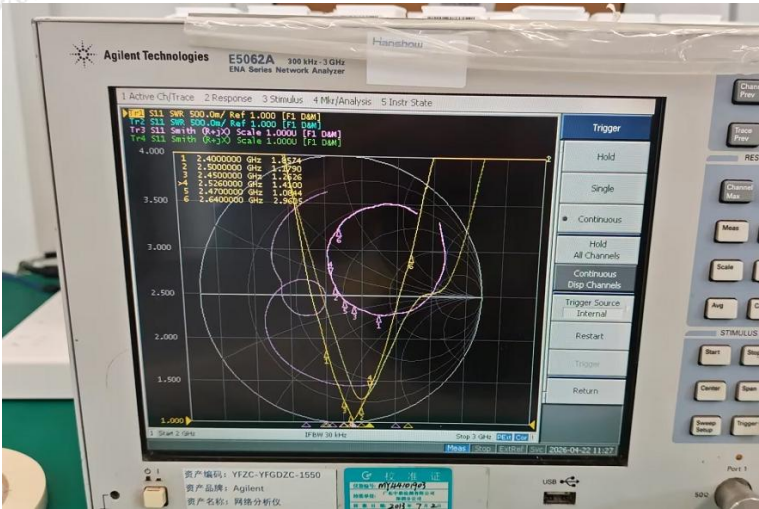
1、Products Electrical

PCB Antenna

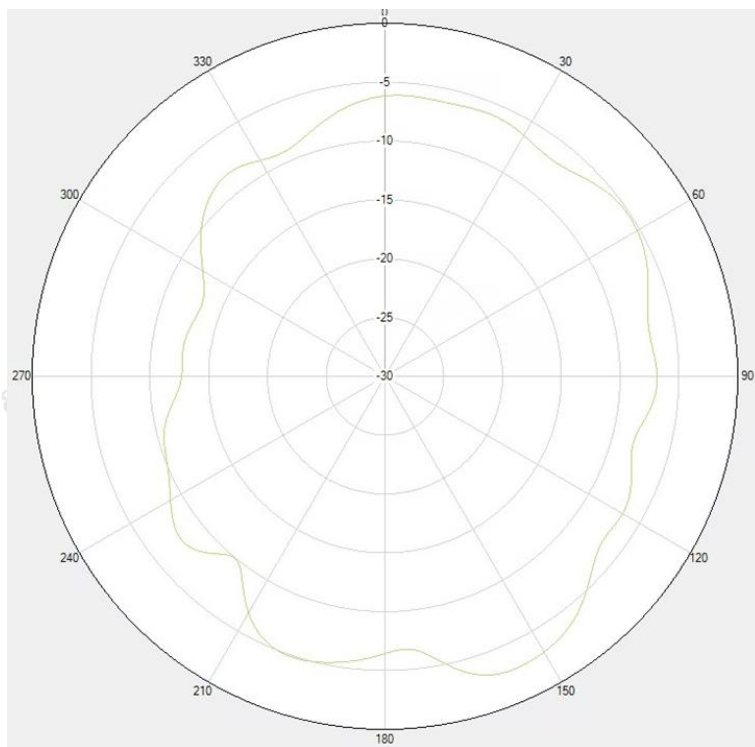
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (orreturnloss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.8dBi
7	Polarization	LP

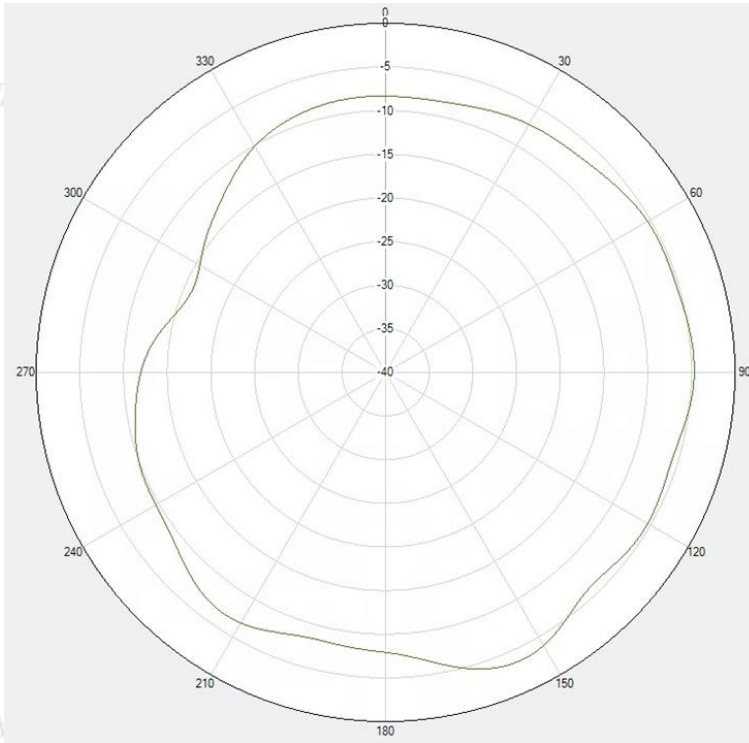
2、Antenna Test Data

2.1Returnloss



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	27.6	-2.1
2410	28.0	-2.4
2420	28.4	-2.2
2430	28.3	-2.2
2440	31.5	-2.1
2450	31.8	-2.4
2460	30.2	-1.9
2470	29.0	-1.9
2480	28.6	-1.8
2490	27.5	-1.9
2500	28.2	-1.9



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