

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
CustomerP/N:	N/A	HL P/N:	N/A
Productmodel:	HSELAQ_01_54M_31	HL Device Name:	N/A
Pcbantenna brand:	Fuxiang	Approval Date:	2025-3-22

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

Revision:

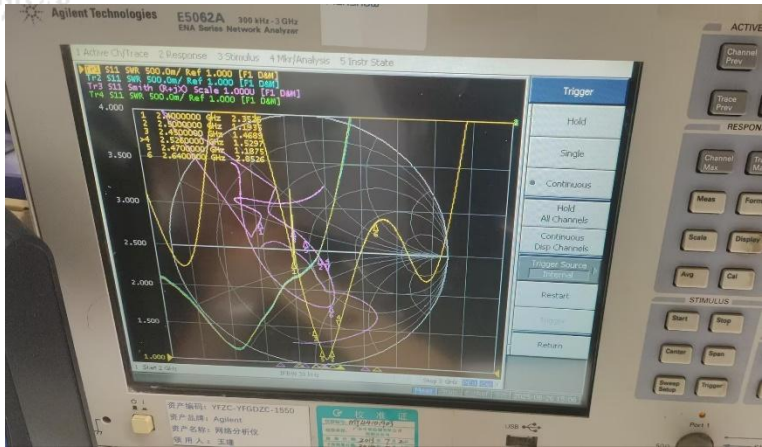
Date	Rev	Description of Changes
2025-02-18	A	Initial Release

1、Products Electrical

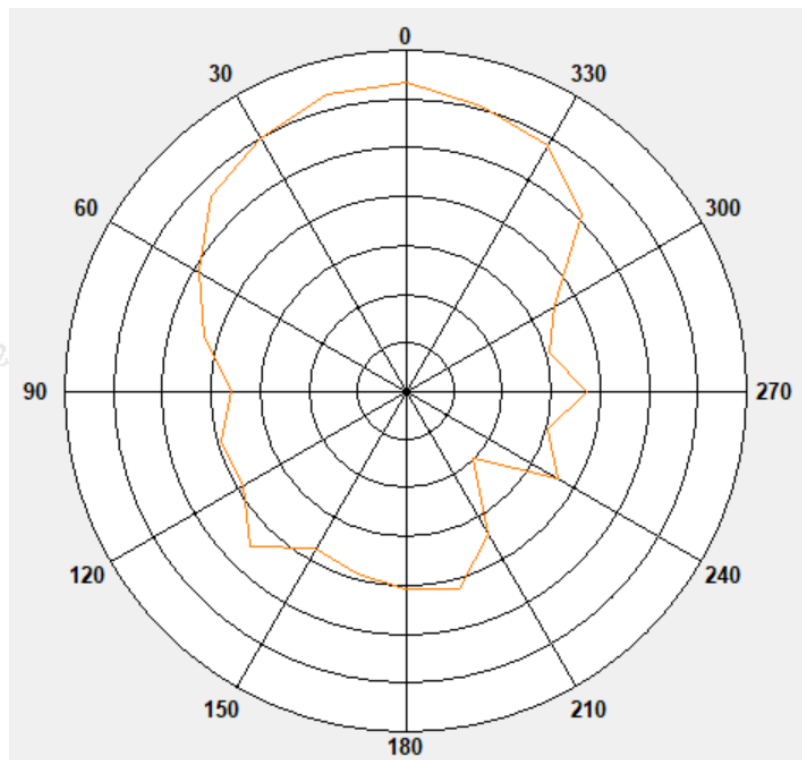
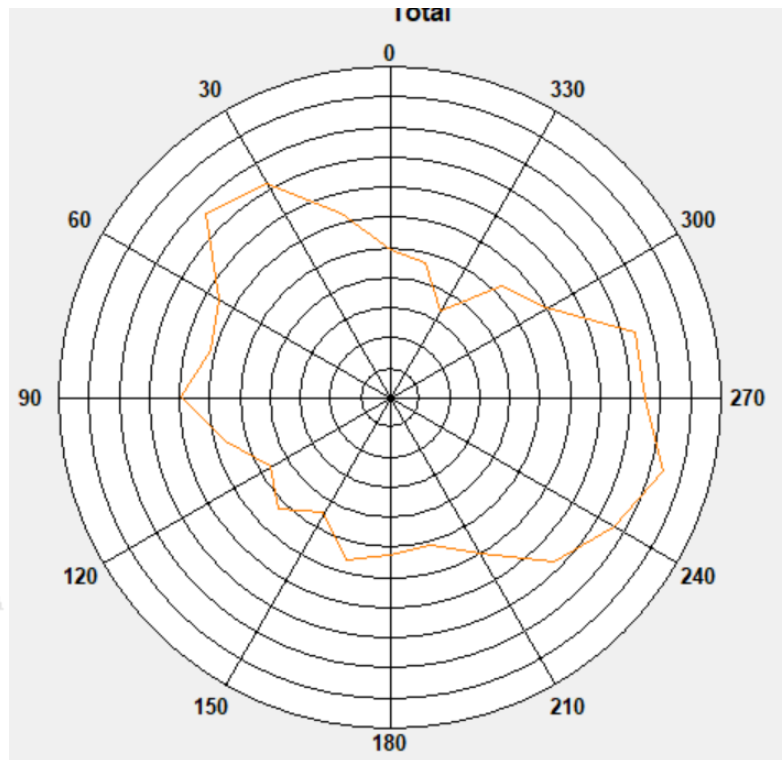
PCB Antenna		
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (orreturnloss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.1dbi
7	Polarization	LP

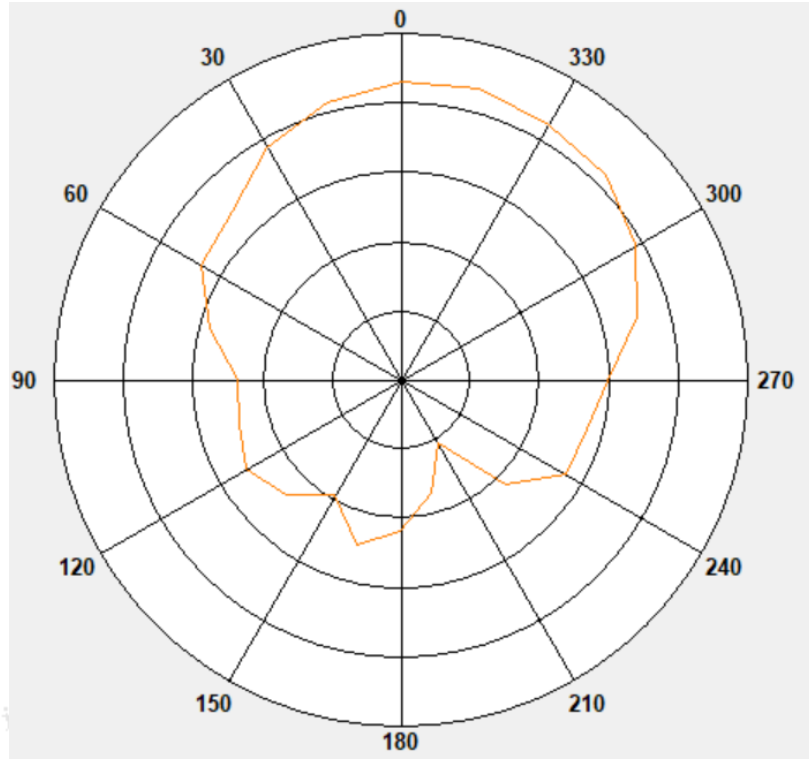
2、Antenna Test Data

2.1Returnloss



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	37.6	-1.1
2410	35.0	-1.4
2420	31.4	-1.2
2430	33.3	-1.2
2440	33.5	-1.1
2450	35.8	-1.3
2460	34.2	-1.4
2470	34.0	-1.5
2480	34.6	-1.8
2490	32.5	-1.3
2500	33.2	-1.5

3、PCB ANTENNA (MM)

