

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_04_20MG_32	HL Device Name:	N/A
Pcb antenna brand:	Yuwei	Approval Date:	2025-6-22

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

Revision:

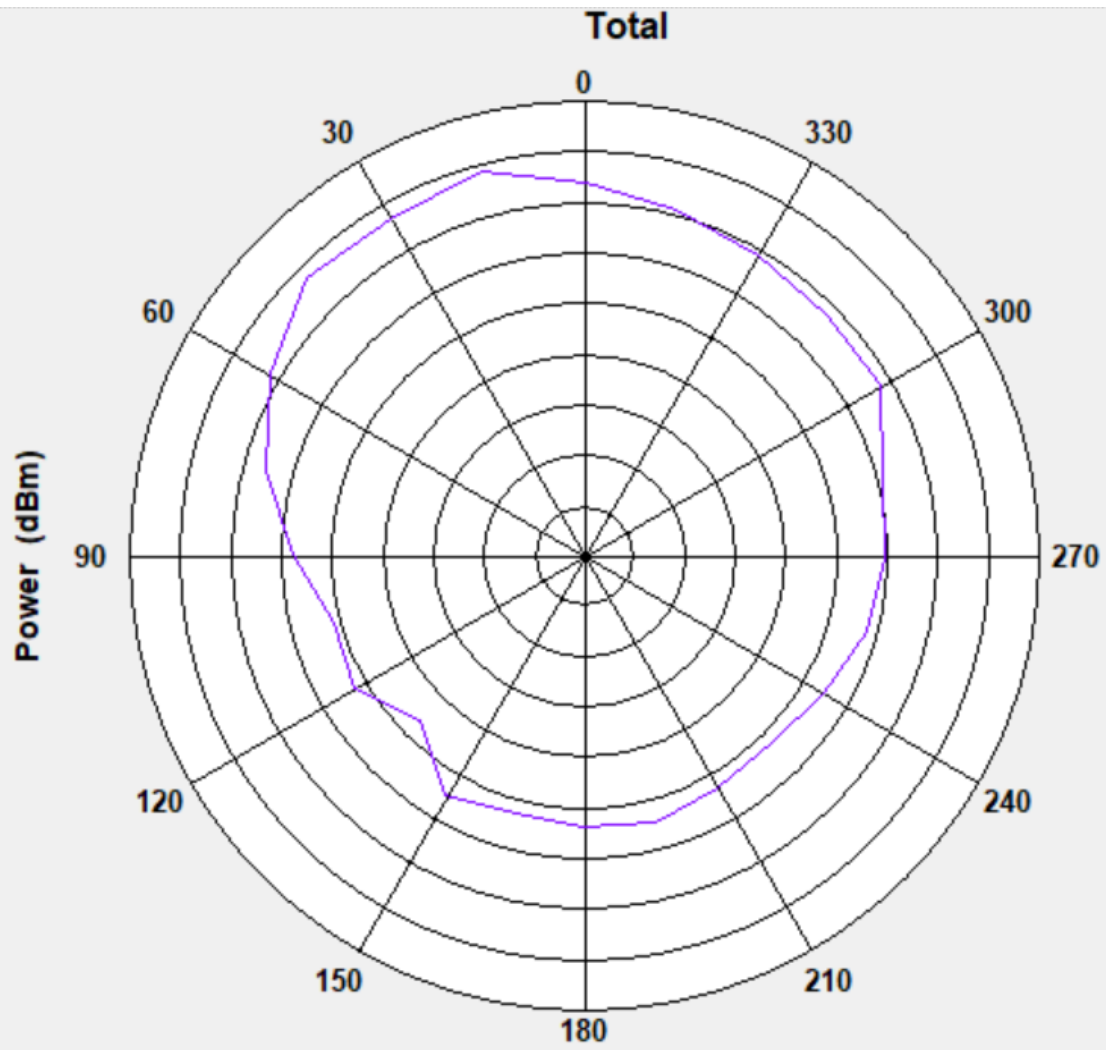
Date	Rev	Description of Changes
2023-9-22	A	Initial Release

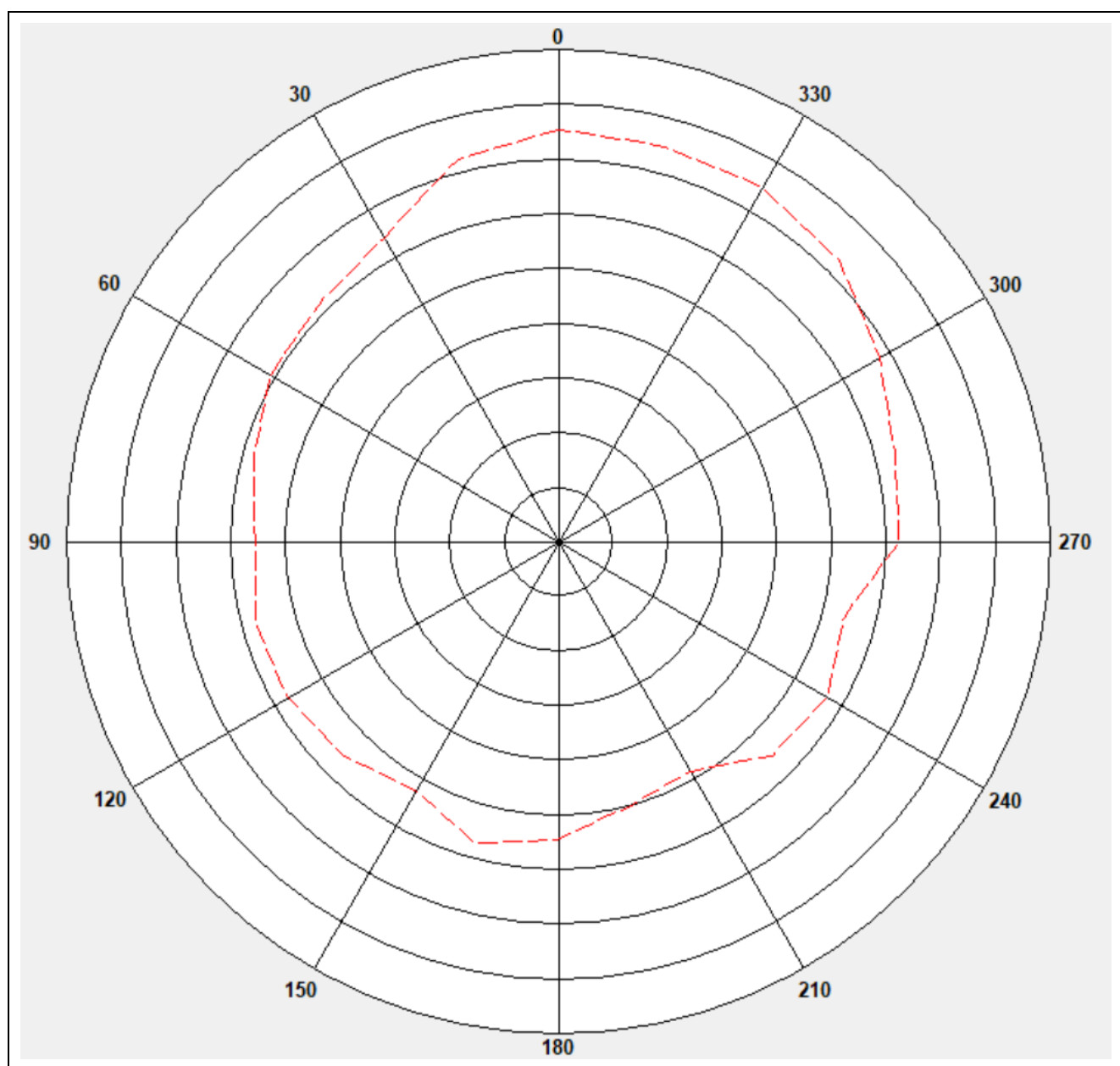
1、Products Electrical		
PCB Antenna		
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.1dBi
7	Polarization	LP
2、Antenna Test Data		

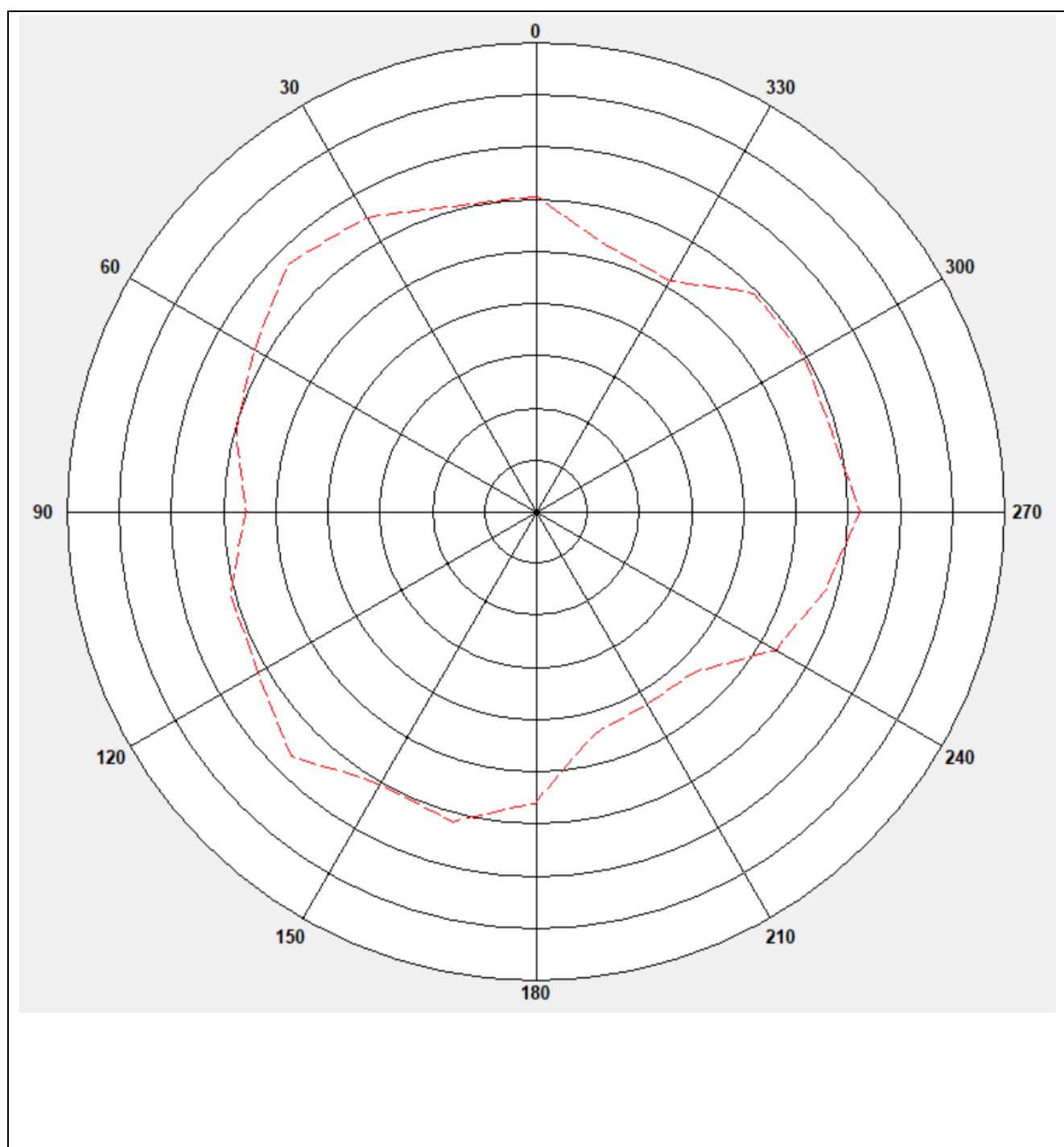
2.1 VSWR (Return Loss)



2.2 RADIATION PATTERNS 2450MHz



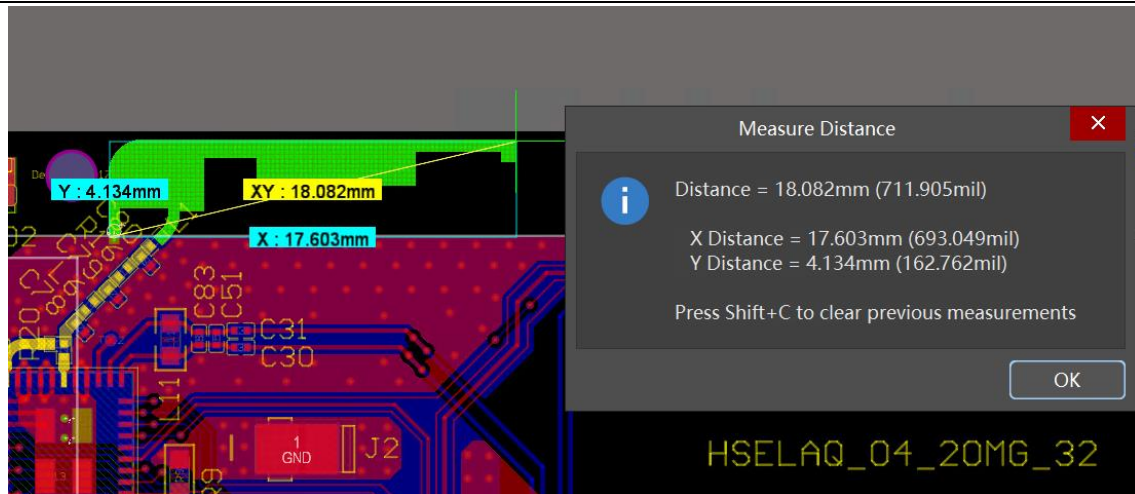




2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	32.6	-1.1
2410	30.0	-1.3
2420	33.4	-1.4
2430	31.3	-1.3
2440	31.5	-1.6
2450	30.8	-1.2
2460	30.2	-1.4
2470	31.0	-1.2
2480	31.1	-1.1
2490	30.5	-1.6
2500	39.2	-1.2

3、PCB ANTENNA (MM)



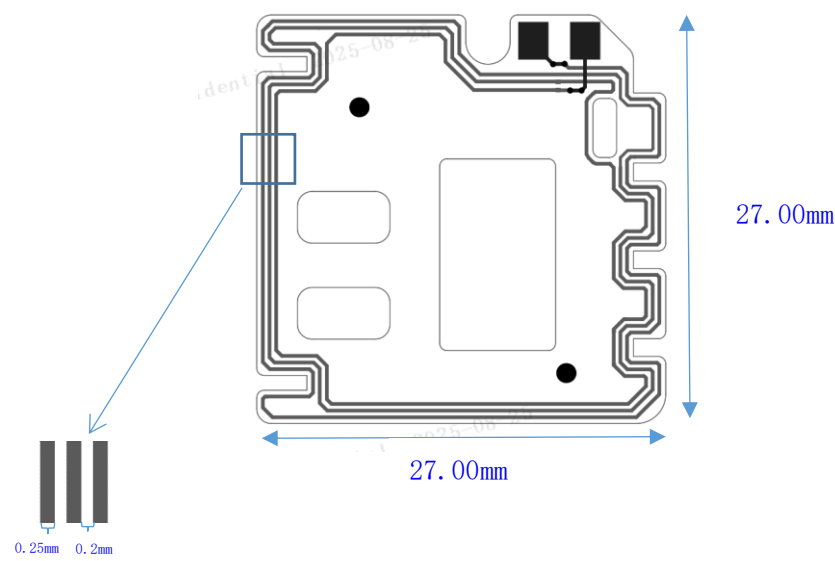
Antenna keyplate specification

Manufacturer: Wanan Yuwei Electronics., Ltd.

Appearance picture:



Antenna size:



Basic parameter:

Antenna size	27mm*27mm	Key type	
Antenna turns	3	Number of keys	
Antenna texture	Cu	Terminal type	
Thickness	35um		
Frequency	13.56MHz		