
Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_07_50MG_61	antenna manufacturer	Jiangxi Xusheng Electronics Co., Ltd Jishui Industrial Park, Ji'an City, Jiangxi Province
Pcb antenna 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
2023-9-22	A	Initial Release

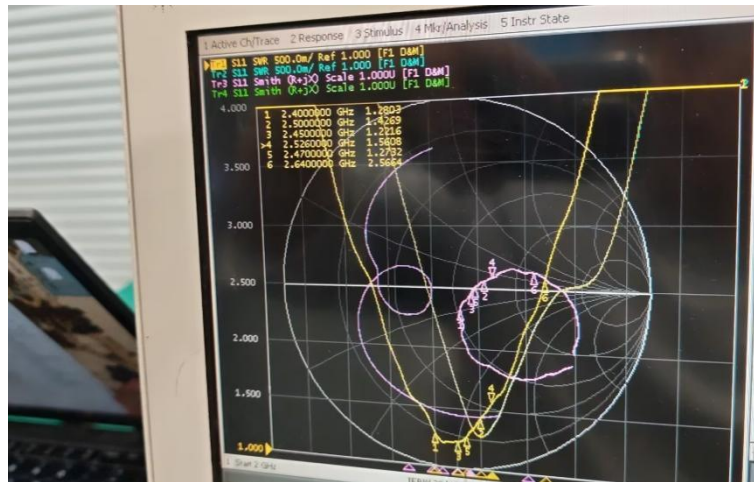
1、Products Electrical

PCB Antenna

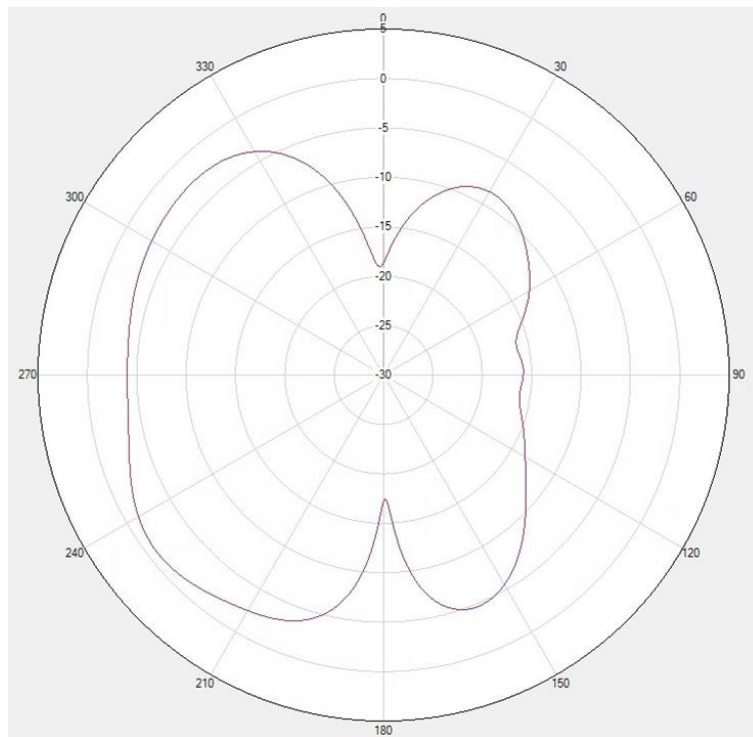
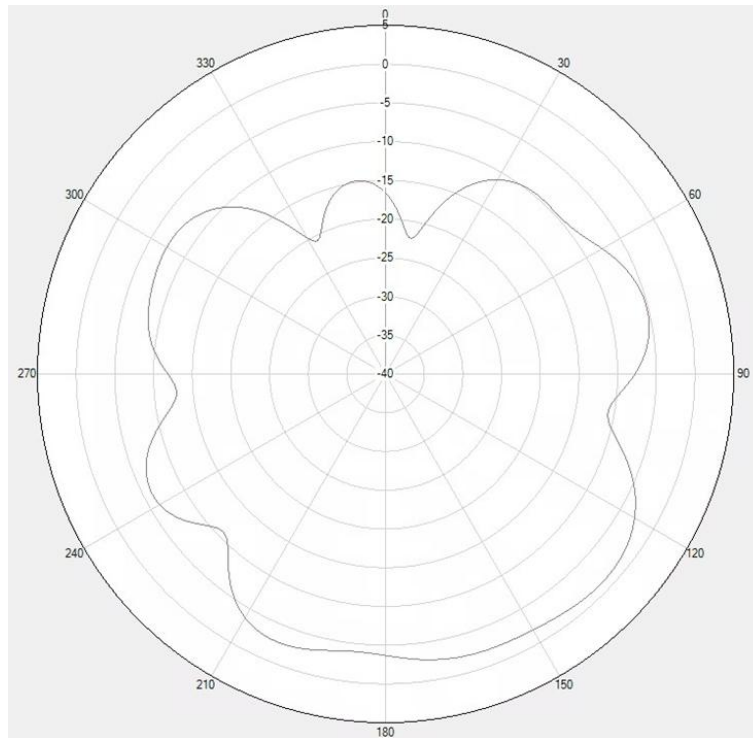
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-1.1dBi
7	Polarization	LP

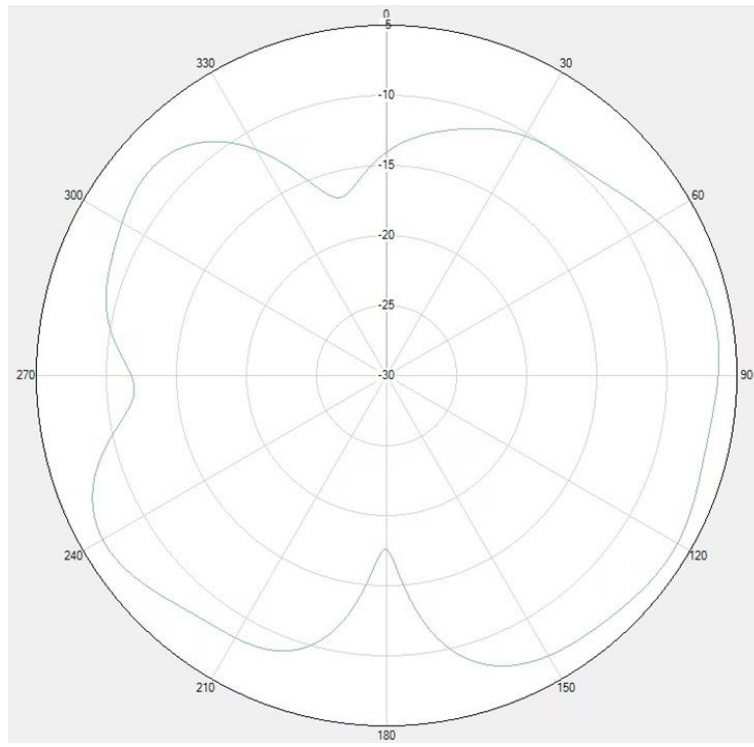
2、Antenna Test Data

2.1 VSWR



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	42.6	-1.2
2410	40.0	-1.1
2420	41.4	-1.1
2430	41.3	-1.3
2440	41.5	-1.1
2450	40.8	-1.3
2460	40.2	-1.3
2470	41.0	-1.2
2480	41.6	-1.3
2490	41.5	-1.3
2500	41.2	-1.4

3、PCB ANTENNA (MM)

