

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELCQ_02_60MGF_7 2	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2025-11-12
Manufacturer	HANSHOW PTE. LTD.		
Address	138 ROBINSON ROAD #02-33 OXLEY TOWER SINGAPORE(068906)		

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

Revision:

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

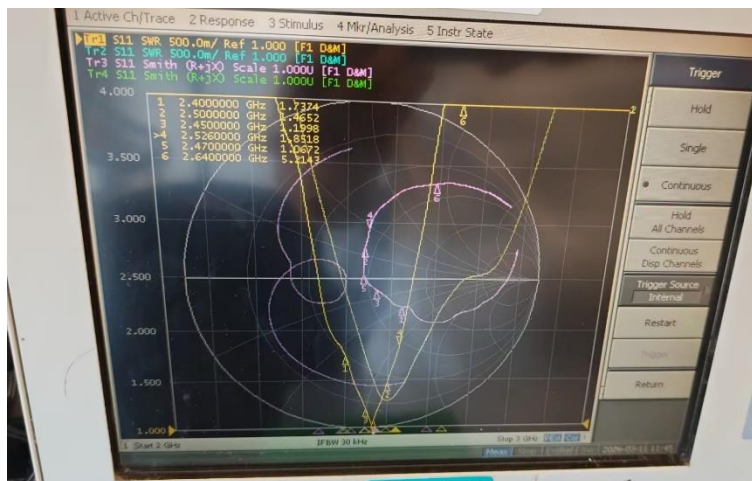
1、Products Electrical

PCB Antenna

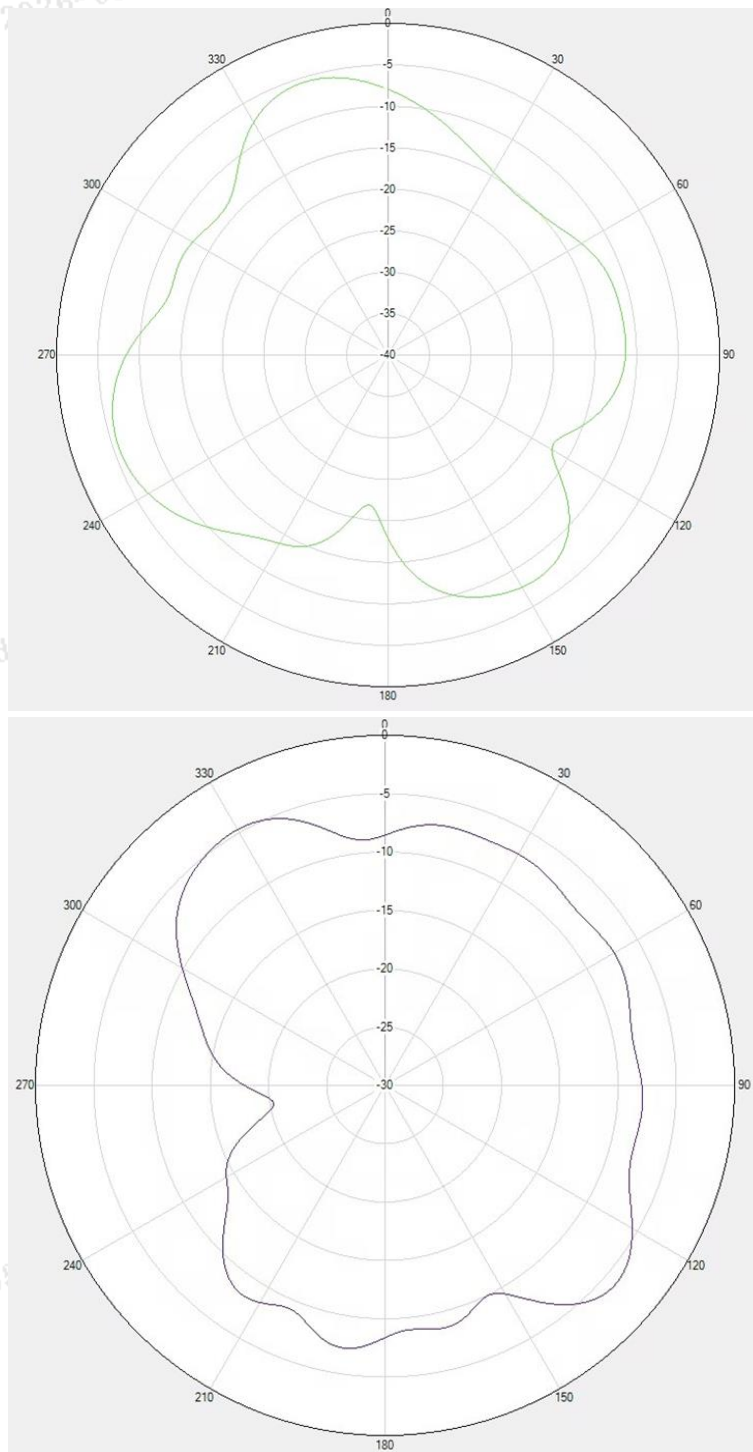
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-2.2dBi
7	Polarization	LP

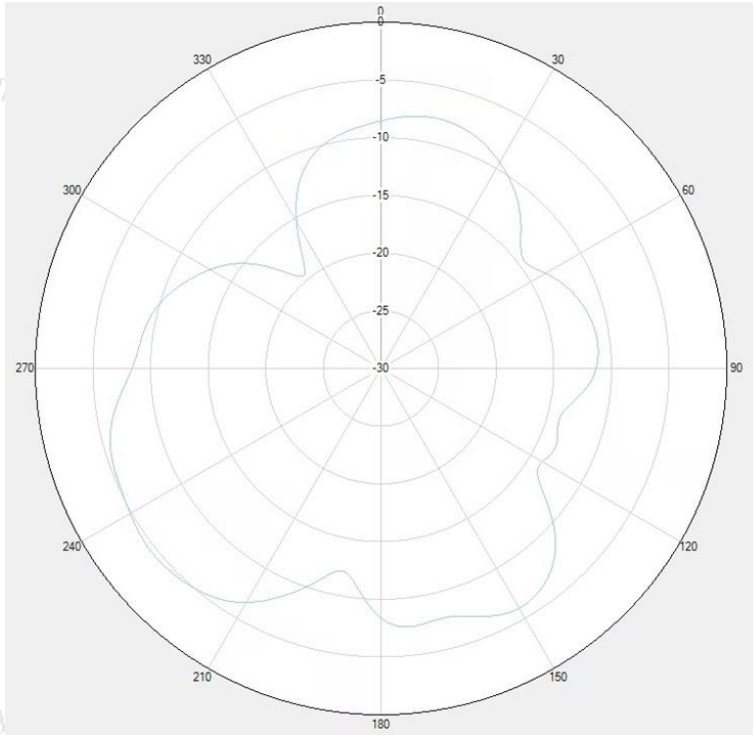
2、Antenna Test Data

2.1 Return loss



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	29.2	-2.3
2410	28.9	-2.2
2420	27.4	-2.8
2430	29.5	-2.5
2440	30.8	-2.6
2450	31.5	-2.5
2460	30.4	-2.7
2470	30.2	-2.3
2480	29.3	-2.6
2490	28.0	-2.7
2500	27.1	-2.9

3、PCB ANTENNA (MM)

