

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSELAQ_02_66MGF_33	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2025-6-6

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

Antenna Manufacturer: Dongguan Yaocheng Electronics Technology Co.,Ltd.Antenna
Manufacturer Address: Room 401, Building 2, No. 2, Lane 11, Wenming Road, Nanzha, Humen Town, Dongguan City, Guangdong Province

Revision:

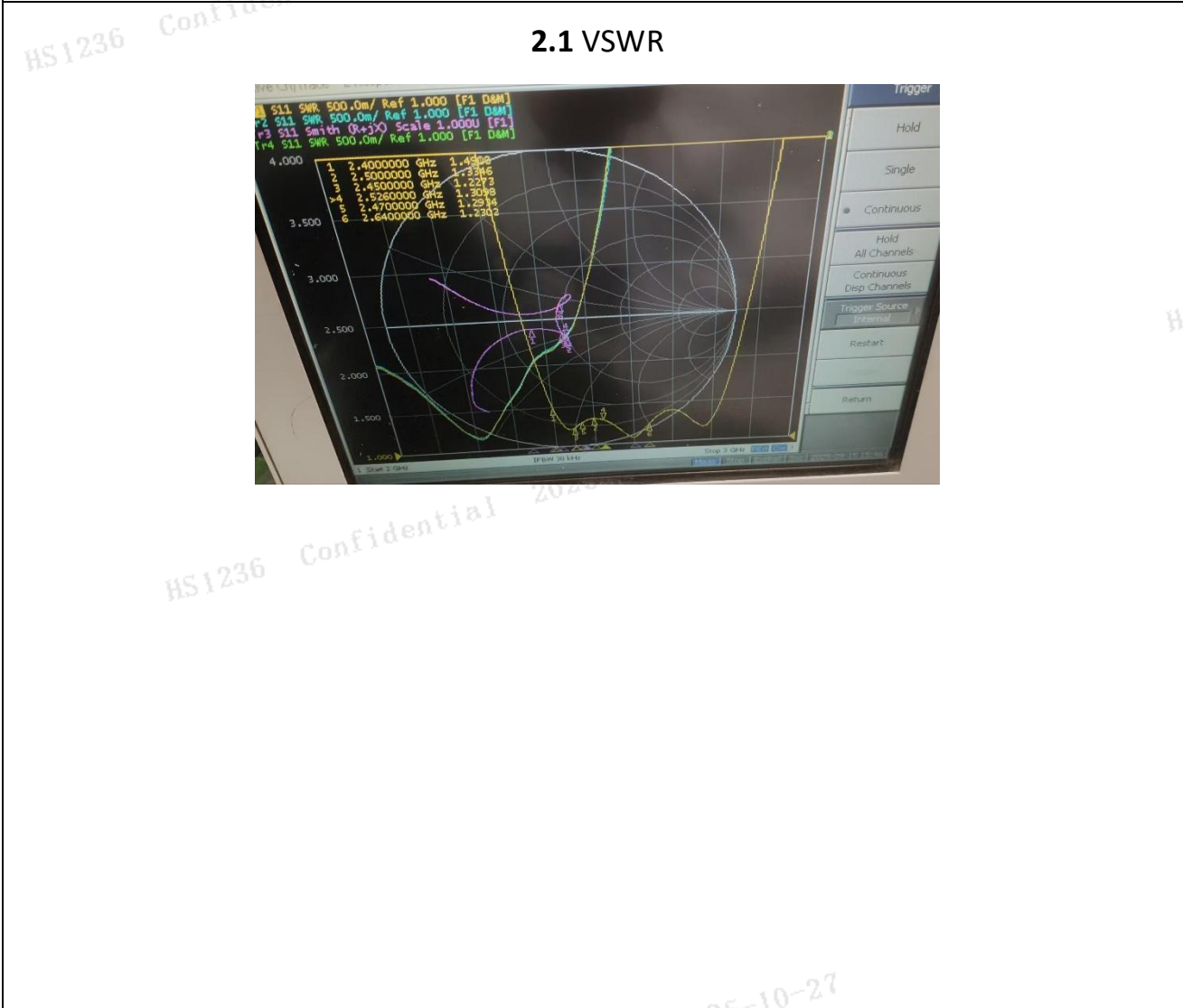
Date	Rev	Description of Changes
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2021-4-08	A	Initial Release
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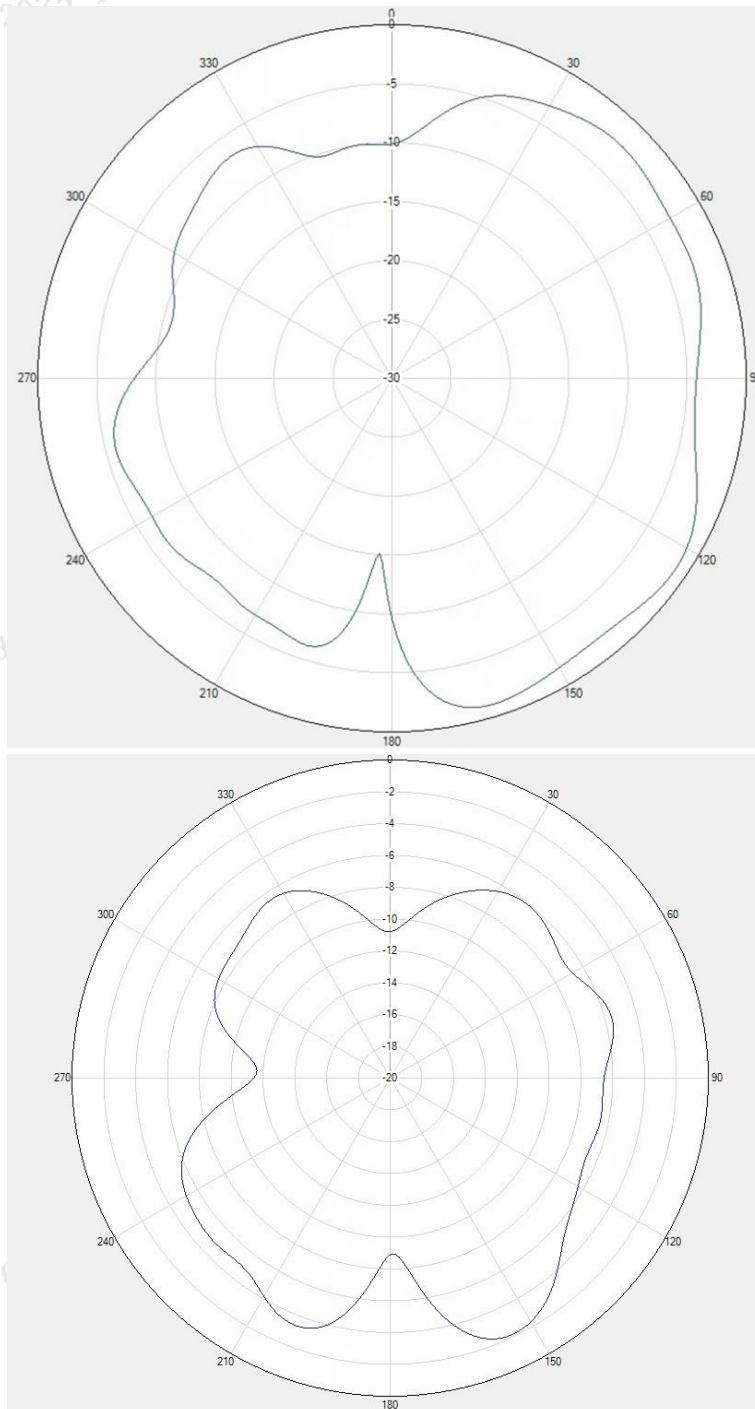
1、Products Electrical

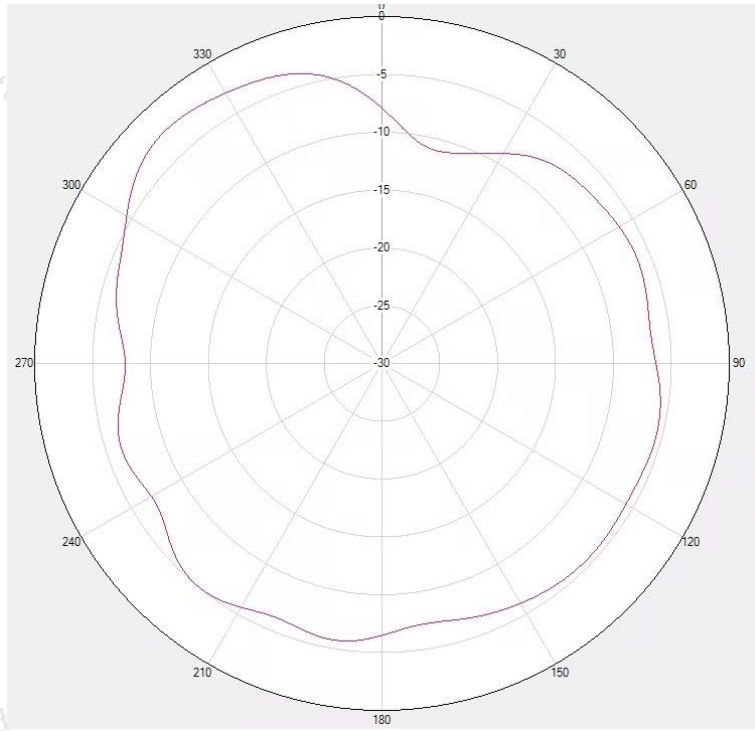
PCB Antenna		
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-0.70dBi
7	Polarization	LP

2、Antenna Test Data



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	31.6	-1.2
2410	32.3	-1.3
2420	31.9	-1.4
2430	37.3	-1.2
2440	34.8	-1.4
2450	34.8	-1.1
2460	32.2	-0.9
2470	34.0	-0.7
2480	32.6	-0.7
2490	32.2	-1.7
2500	31.6	-1.3

3、PCB ANTENNA (MM)

