
Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Product model:	HSEL4Q_01_90M_30	HL Device Name:	N/A
Pcb antenna brand:	Fuxiang	Approval Date:	2023-4-19

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

Revision:

Date	Rev	Description of Changes
2023-6-16	A	Initial Release

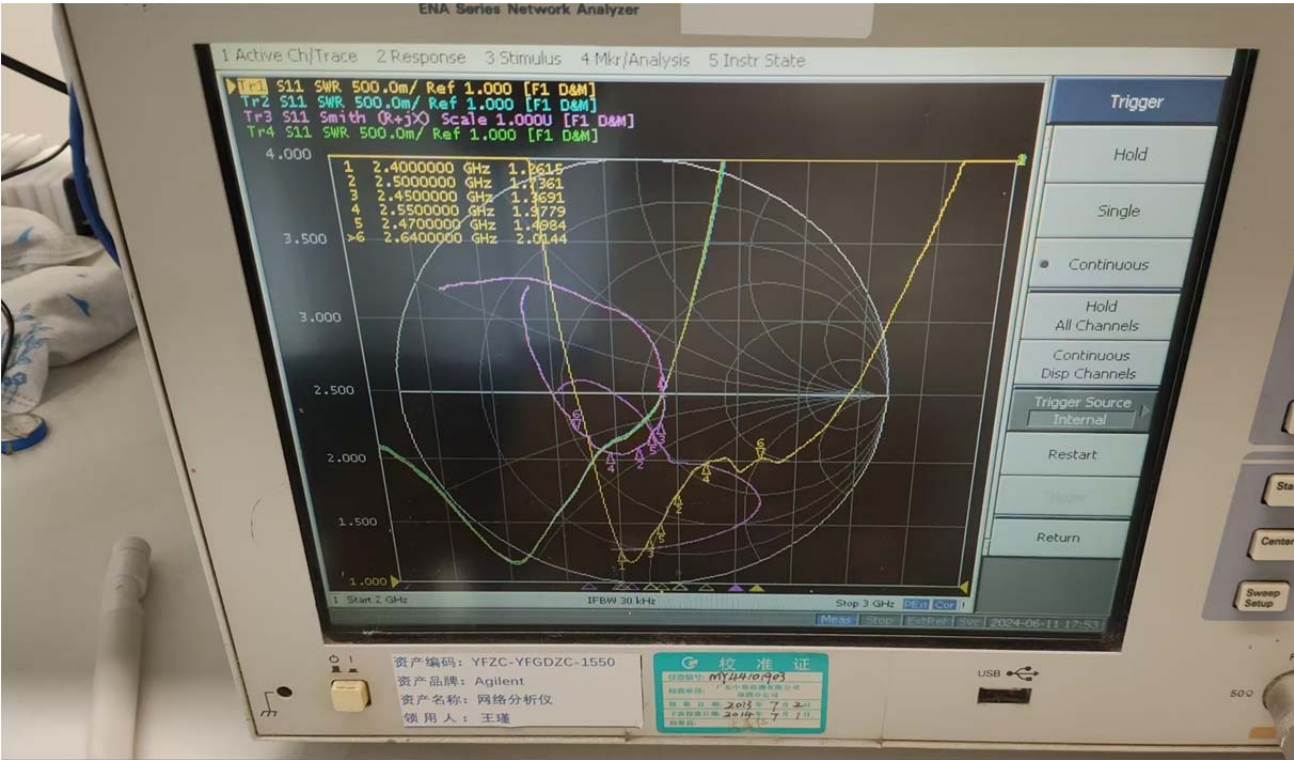
1、Products Electrical

PCB Antenna

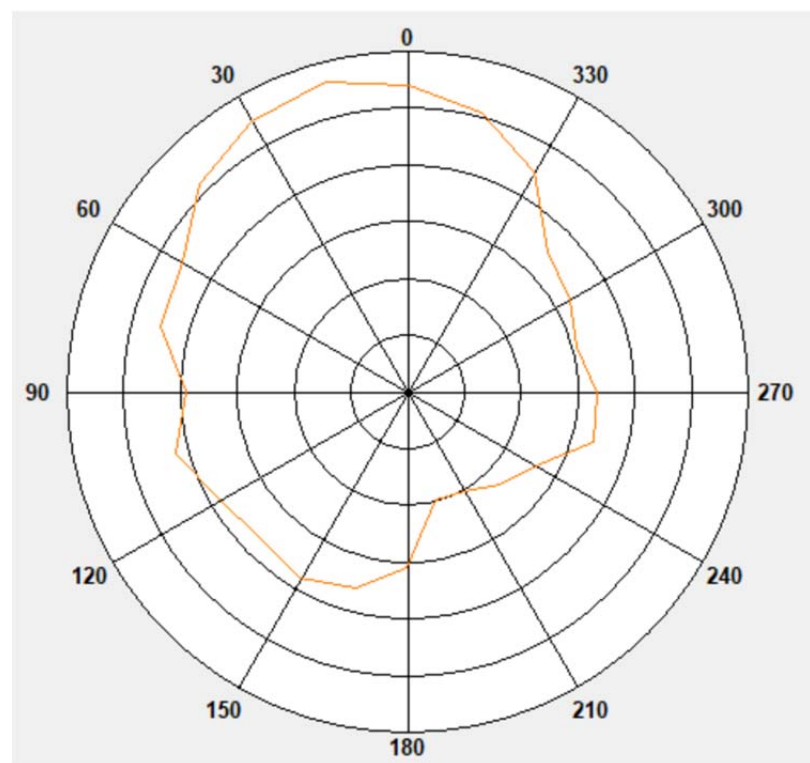
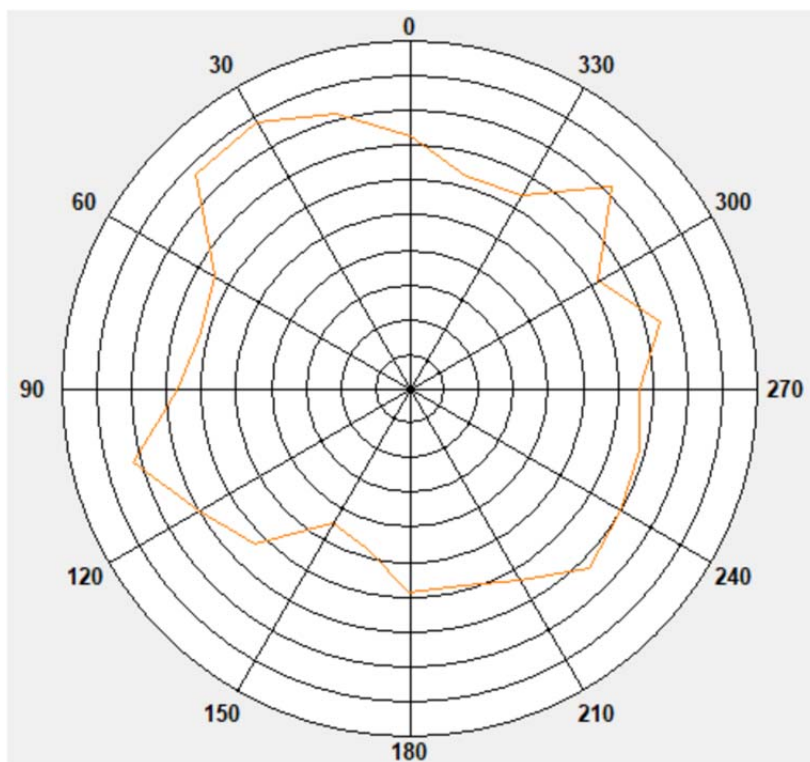
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR (or return loss)	<2 (<-9.5dB)
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-0.7dbi
7	Polarization	LP

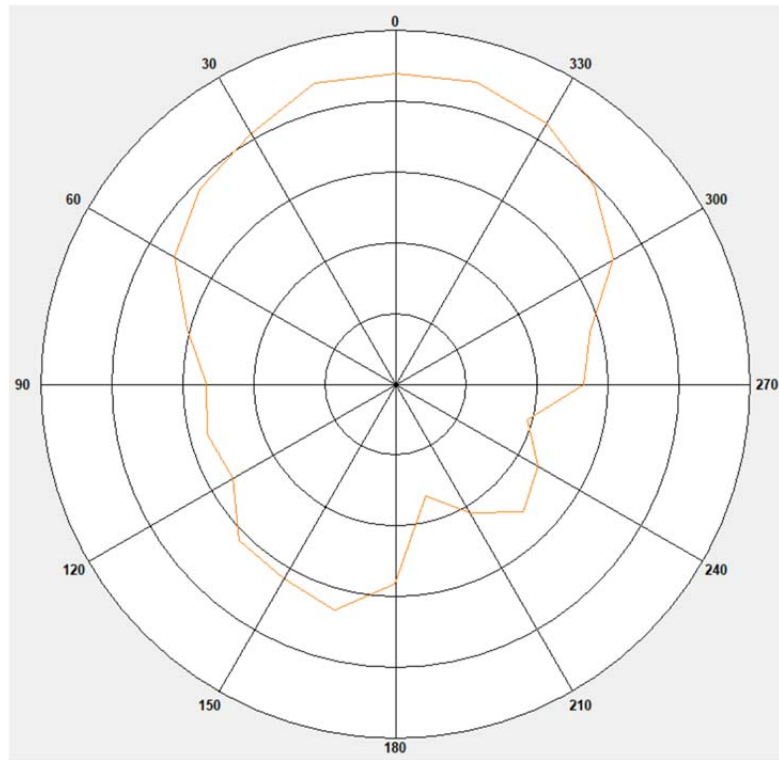
2、Antenna Test Data

2.1 VSWR



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	31.6	-1.3
2410	32.0	-0.7
2420	28.4	-0.7
2430	31.3	-1.5
2440	31.5	-0.8
2450	32.2	-1.4
2460	34.2	-0.9
2470	29.0	-0.9
2480	30.6	-0.8
2490	29.1	-1.4
2500	30.2	-1.7

3、PCB ANTENNA (MM)

