

Specification for Approval

CONTENTS

Customer:	N/A	Vendor:	N/A
Customer P/N:	N/A	HL P/N:	N/A
Customer Device Name:	N/A	HL Device Name:	N/A
Version:	Initial Release	Approval Date:	

Internal Approval		
Approved By:	Checked By:	Prepared By:
		ZhangBin
Customer Approval		

Revision:

Date	Rev	Description of Changes
2023-08-09		

1、Products Electrical

PCB Antenna

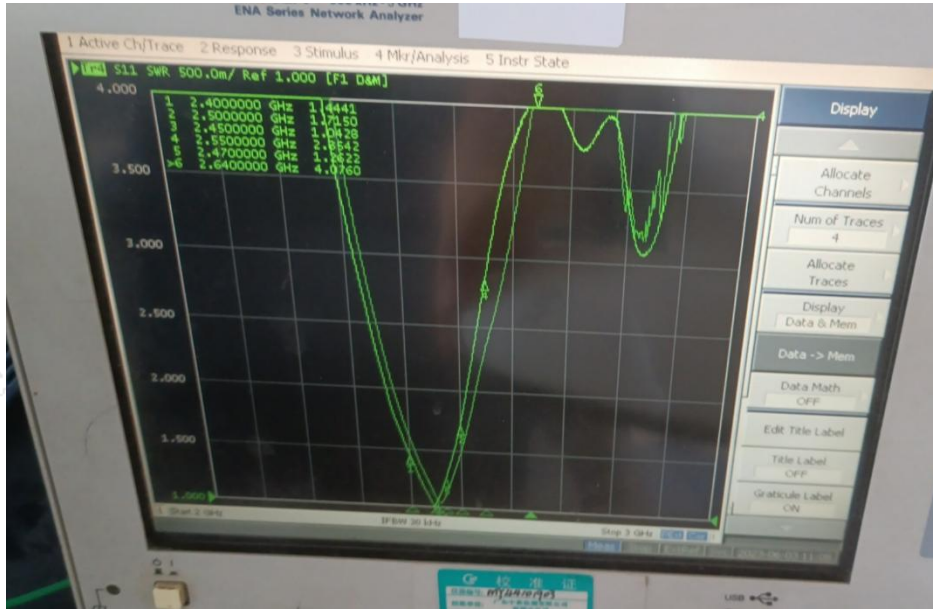
1	Antenna Model	PCB IFA Antenna
2	Frequency Range	2400-2500MHz
3	VSWR	<2
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	See detailed gain table
7	Polarization	LP

2023-08-09

2、Antenna Test Data

2.1 VSWR

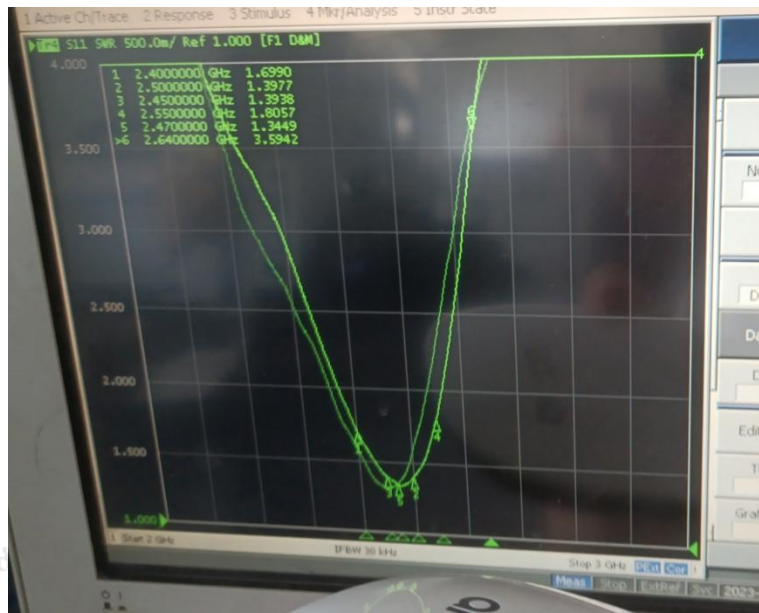
ANT1



ANT2



ANT3



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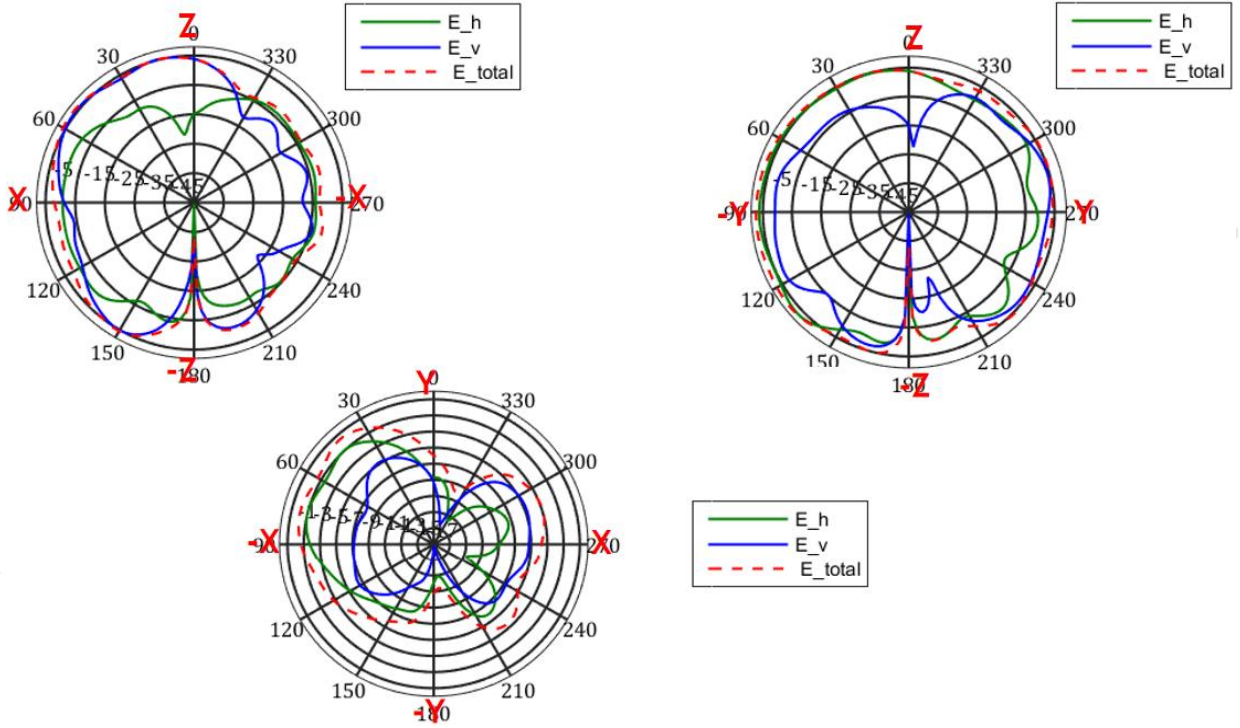
HS1455

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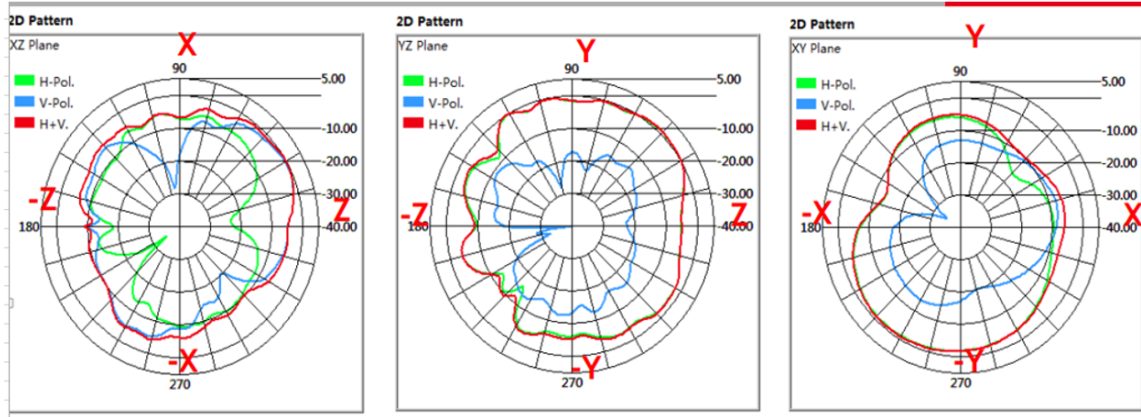
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2.2 RADIATION PATTERNS

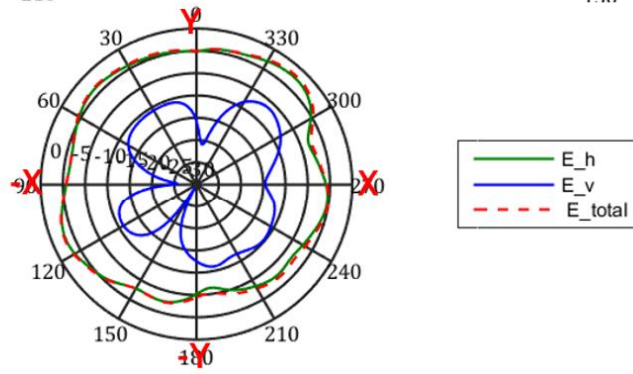
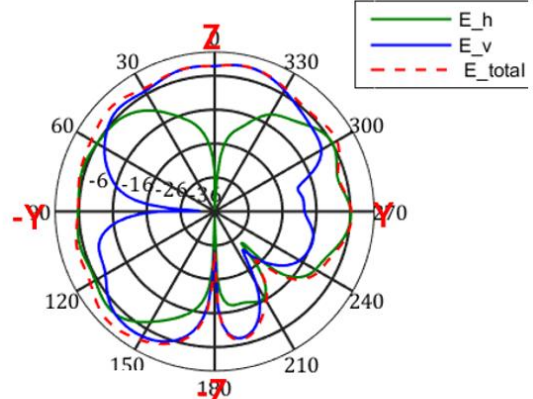
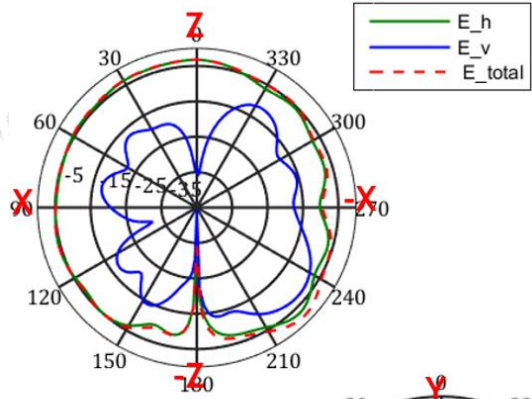
ANT1 2440MHz



ANT2 2440MHz



ANT3 2440MHz



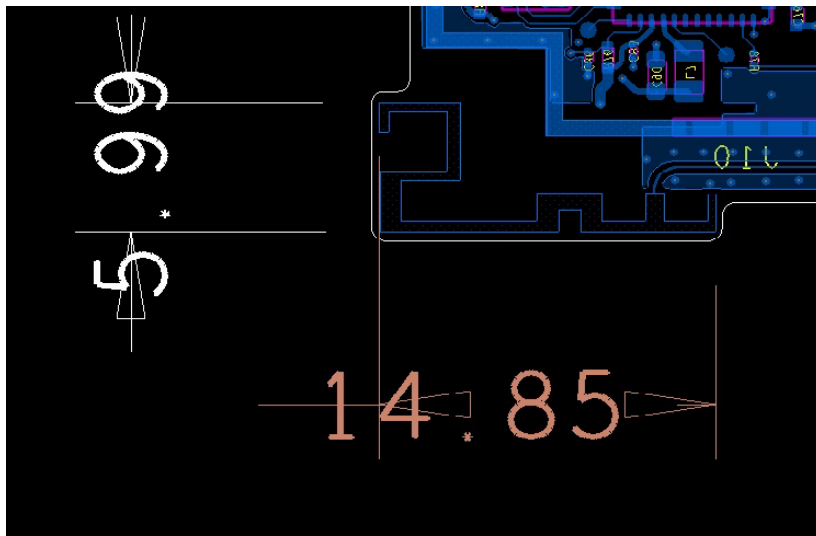
2.3 GAIN AND EFFICIENCY

ANT1		
Frequency / MHz	Efficiency / %	Gain/ dB
2402	38	0.83
2440	39	0.75
2480	40	0.6
AVG	38	0.72
ANT2		
Frequency / MHz	Efficiency / %	Gain/ dB
2402	35	0
2440	34	0.1
2480	34	0.1
AVG	34	0.066
ANT3		
Frequency / MHz	Efficiency / %	Gain/ dB
2402	39	0.2
2440	37	0.2
2480	36	0.3
AVG	37	0.23

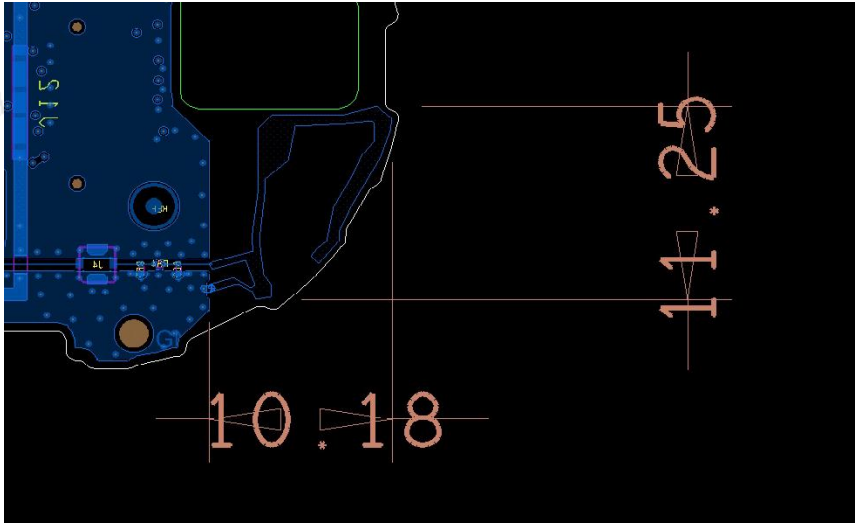
3、PCB ANTENNA (MM)



ANT1



ANT2



ANT3

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