

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:	2023-2-8

Internal Approval		
Approved By:	Checked By:	Prepared By:
		TIAN XIANG
Customer Approval		

Revision:

Date	Rev	Description of Changes
2018-03-09	A	Initial Release

1、 Products Electrical**PCB Antenna**

1	Antenna Name/Model	PCB Antenna/HSEL7_02_66M_30
2	Frequency Range	2400-2500MHz
3	VSWR	<2
4	Broadband	>100MHz
5	Impedance	50 ohm
6	Gain	-0.5dbi±1dbi
7	Polarization	LP

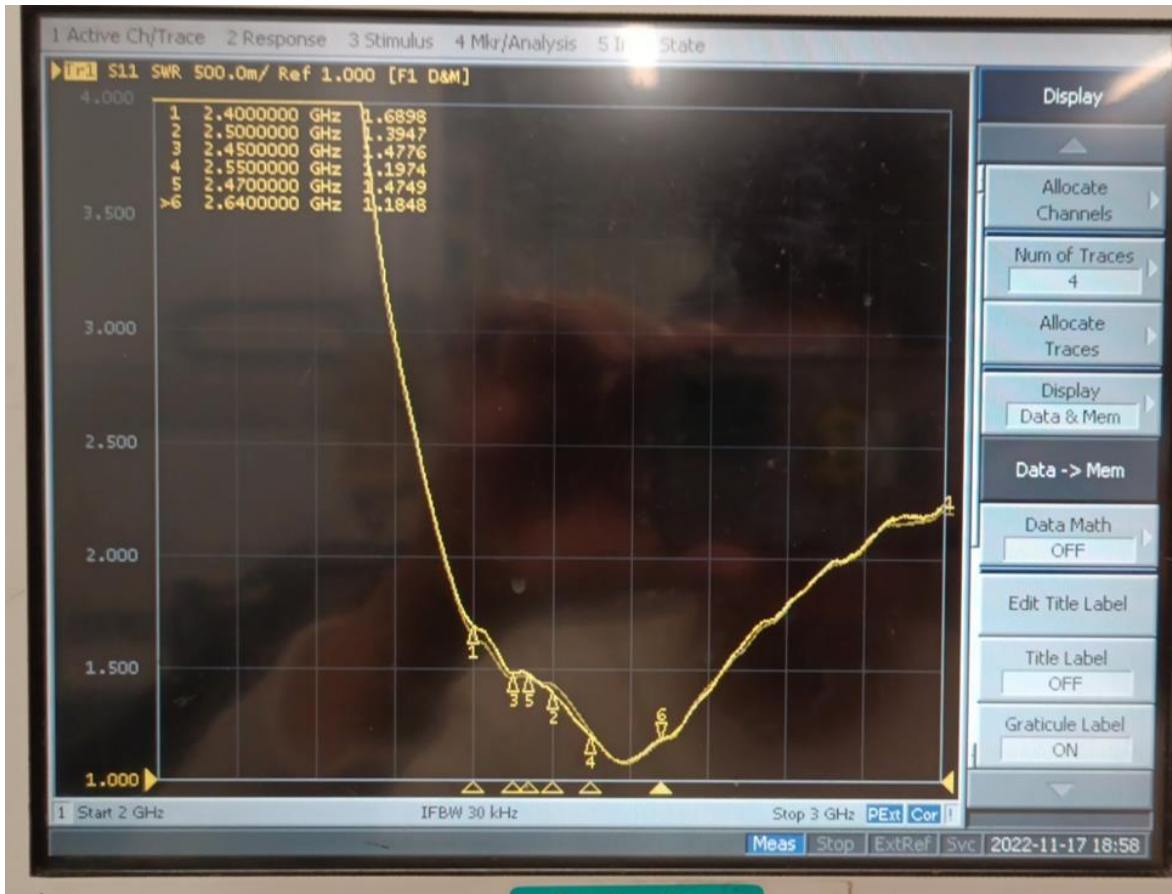
Manufacturer information: HL Tronics (Kunshan) Co., Ltd.

TEL:+86-512-36877209

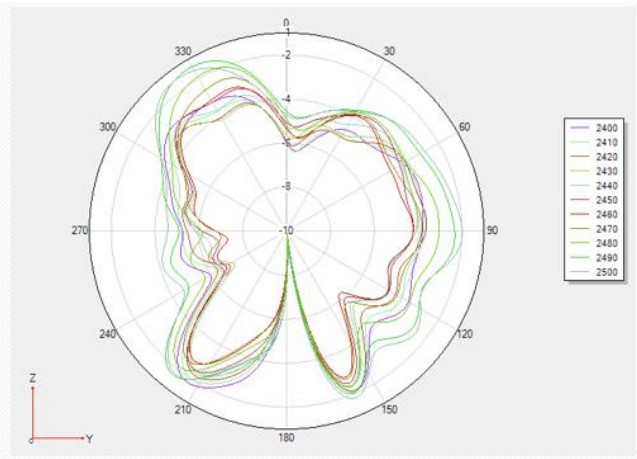
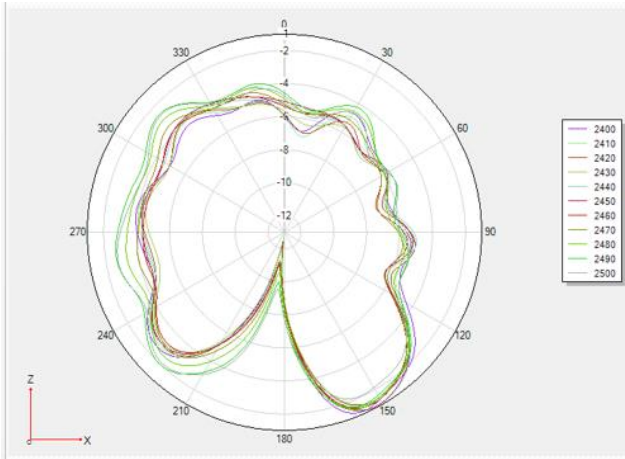
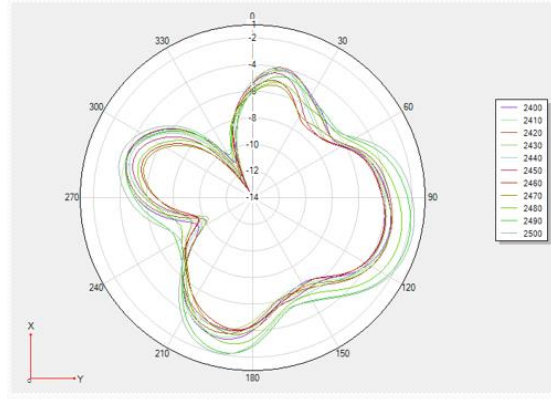
Add: D Building Xijiang Road No.188 Kunshan Development Zone, Kunshan City Jiangsu Province.

2、 Antenna Test Data

2.1 VSWR



2.2 RADIATION PATTERNS



2.3 GAIN AND EFFICIENCY

	HSEL7_02_66M_30	
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	28.65	-0.68
2410	30.78	-0.75
2420	31.01	-0.76
2430	33.88	-0.95
2440	34.19	-0.93
2450	35.58	-0.99
2460	36.44	-1.08
2470	35.21	-1.25
2480	35.45	-1.19
2490	35.64	-0.95
2500	35.13	-1.06
AVG	33.68	-0.96

3、PCB ANTENNA(MM)

