

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:	2023-09-09

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

Manufacturer: HANSHOW TECHNOLOGY CO., LTD.
Address: The 1st Floor Podium and Floor 4 of Building 1, Floor 7 of Building 5,
Jiaxing Photovoltaic Technology Innovation Park, No.1288, Kanghe Road, Xiuzhou
District, Jiaxing City, Zhejiang Prov, P.R.China

Revision:

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

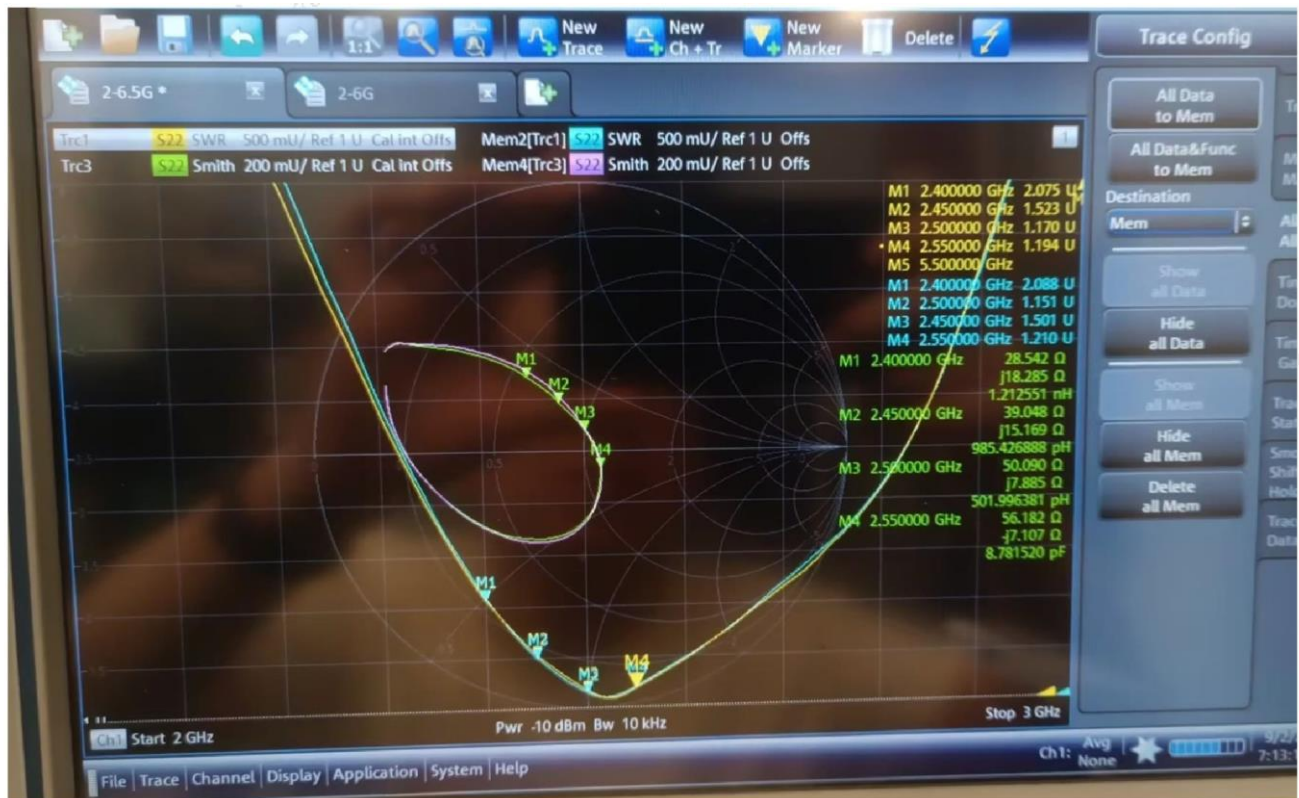
1、Products Electrical

PCB Antenna

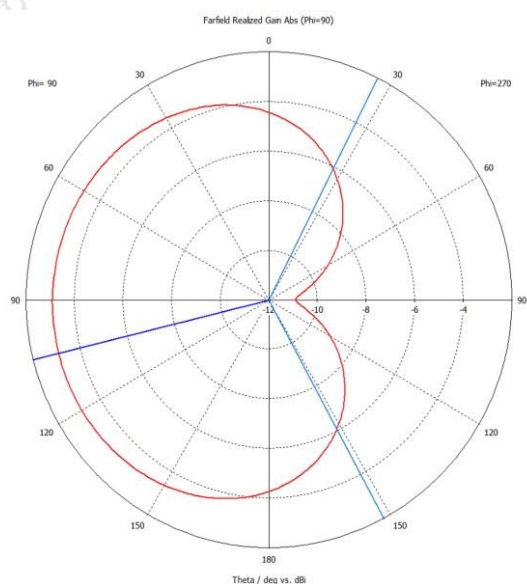
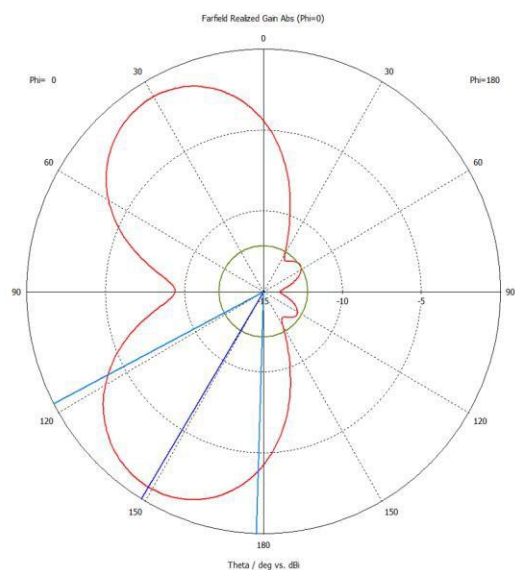
1	Antenna Name	PCB layout antenna
2	Antenna Model	PCB IFA Antenna
3	Frequency Range	2400-2500MHz
4	VSWR	<2
5	Broadband	>100MHz
6	Impedance	50 ohm
7	Gain	-1dbi±1dbi
8	Polarization	LP

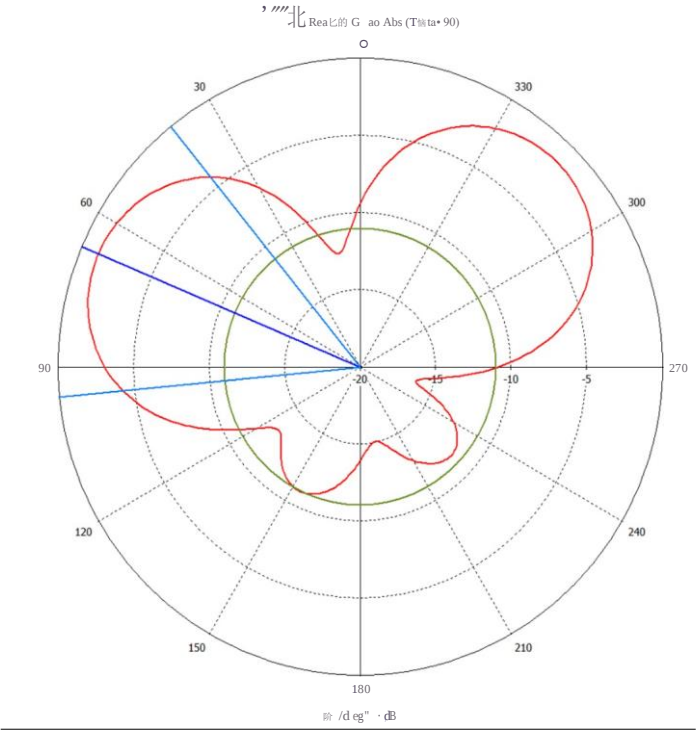
2、Antenna Test Data

2.1 VSWR



2.2 RADIATION PATTERNS 2450MHz





2.3 GAIN AND EFFICIENCY

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	26.6	-1.7
2410	24.9	-1.7
2420	24.7	-2.5
2430	25.6	-2.0
2440	25.9	-1.9
2450	28.5	-1.4
2460	29.0	-1.7
2470	26.3	-1.8
2480	25.1	-2.1
2490	24.7	-2.3
2500	25.2	-2.4

3、PCB ANTENNA (MM)

