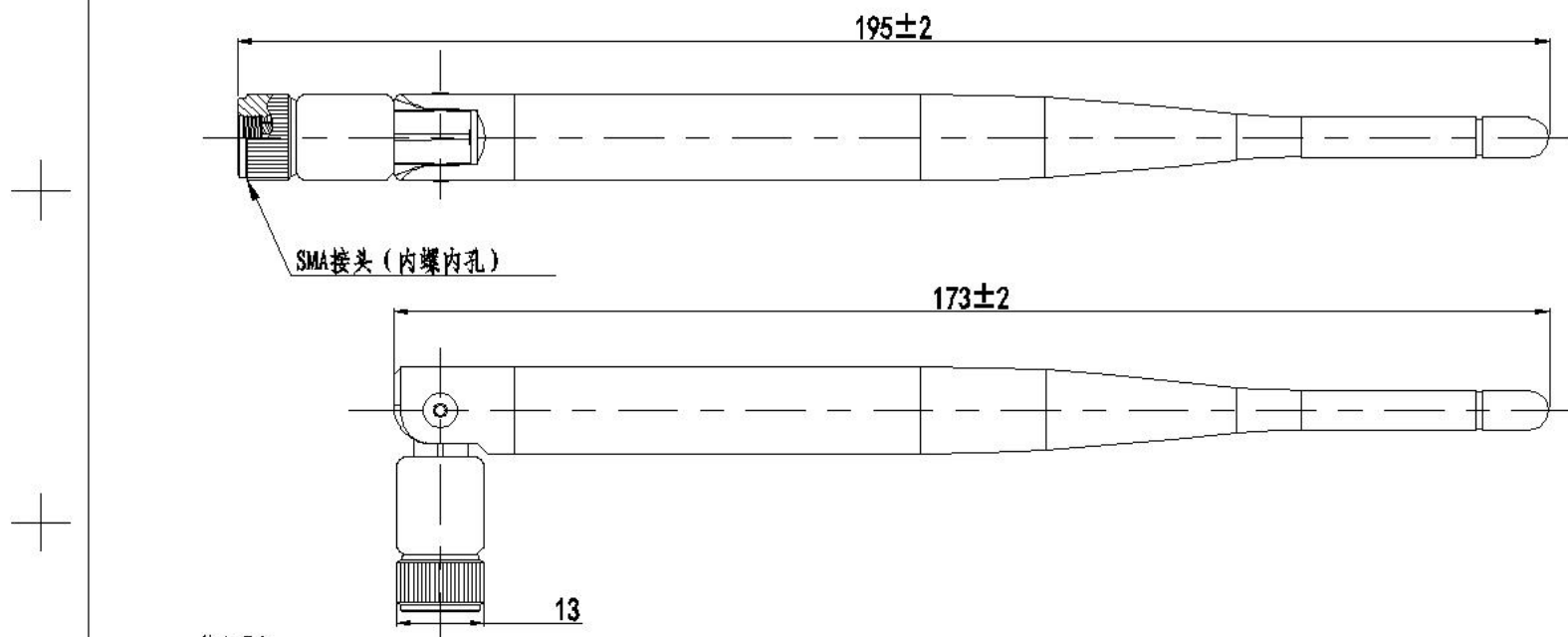


REV	DESCRIPTION	DATE	APP

GENERAL TOLERANCE			
DIMENSIONS		ANGLES	
± 0.20		± 2°	
± 0.15		± 1°	
± 0.10		± 1°	
± 0.05			



技术要求:

1. 所有单位尺寸为mm。
2. 材料:
SMA 内螺内孔
3. 表面无脏污, 油渍, 刮伤等
4. 所有尺寸标注首有*符号的为管控尺寸。

總件數	
貯藏區區名	
產區區名	
日期	姓名

										名称		2.4-5.8G胶棒天线	
单位	比例	材料	一般加工		表面处理		表面处理			零件编号			
数量	颜色	设计	绘制		审核		审核		批准	第 1 页			
1			LPL							共 1 页			

制圖:

構図:

圖面: 九4

4.2 Product Electrical Performance Test Data

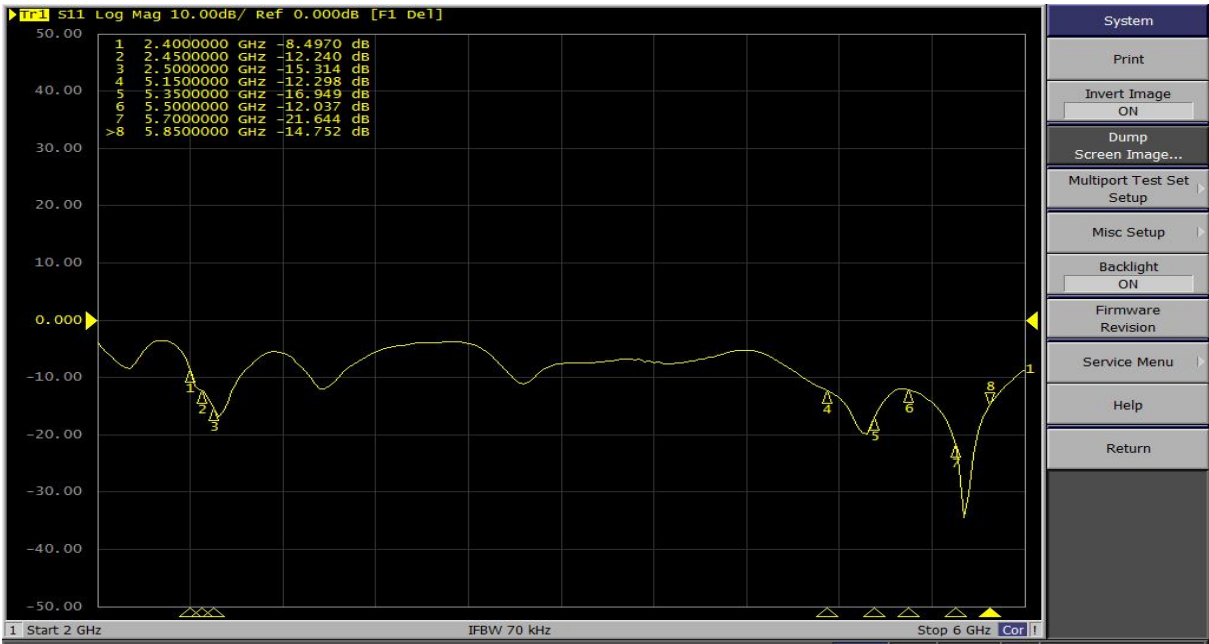
4.21 Test Environment and Instruments

test environment:	test equipment:
Temperature: 10℃——+30℃	Network Analyzer
relative humidity: ≤80% (+40℃)	KEYSIGHT E5071C
atmospheric pressure: 750mmkg±30mmkg	Multi probe microwave darkroom

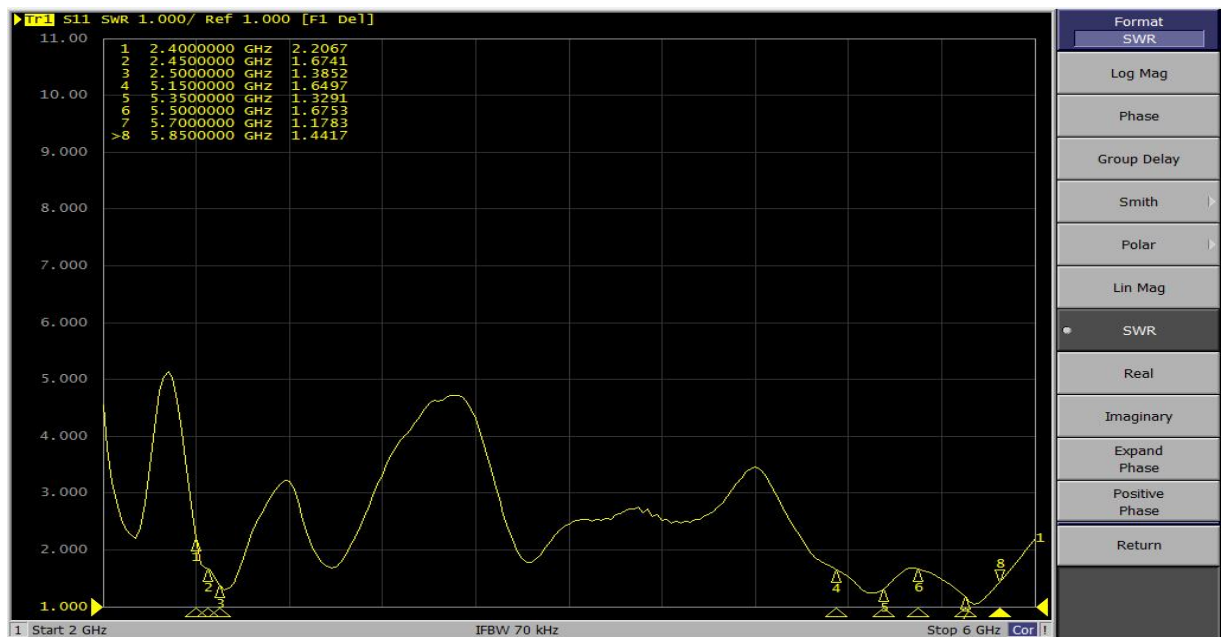
4.22.1 Product electrical performance test data:

Marker (MHZ)	2400	2450	2500	5150	5350	5500	5700	5850
Return loss	-8.49	-12.24	-15.31	-12.29	-16.94	-12.03	-21.64	-14.75
VSWR	2.20	1.67	1.38	1.64	1.32	1.67	1.17	1.44

天线的 S11 图:



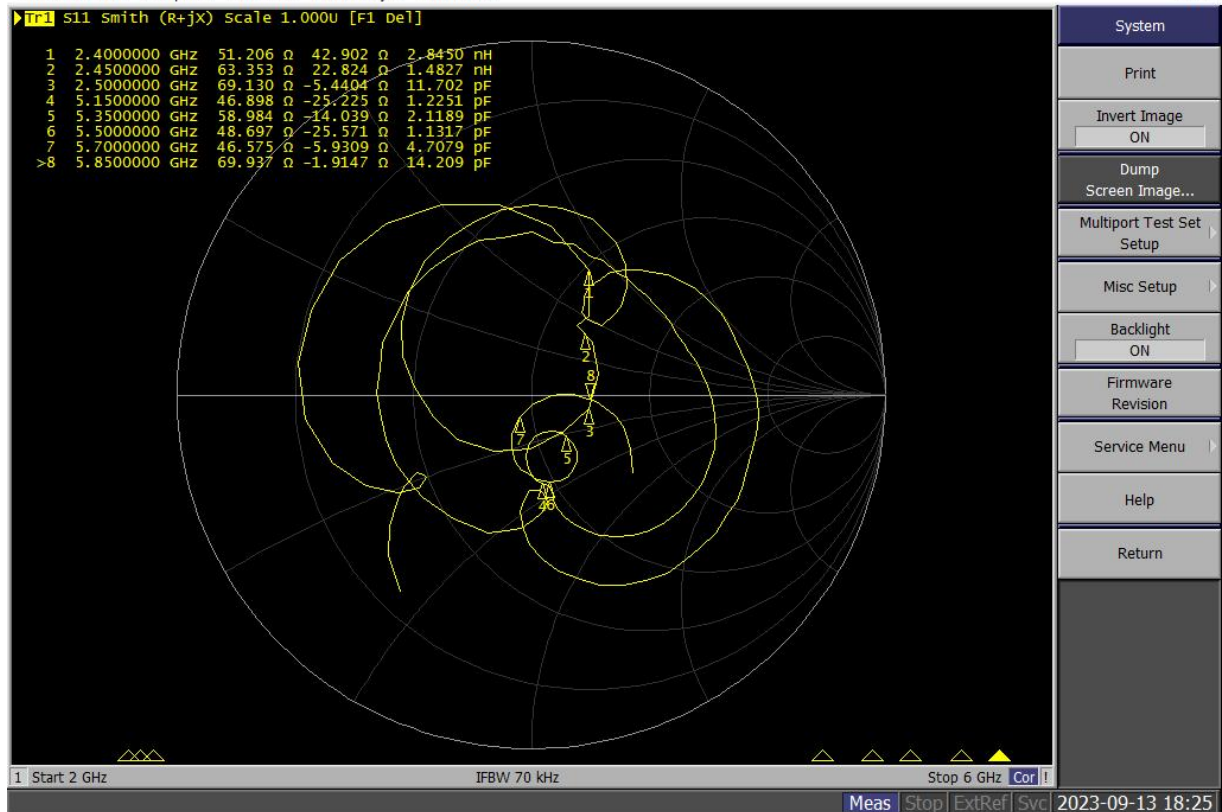
Shenzhen yixin Electronic Technology Co.,Ltd



ES071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



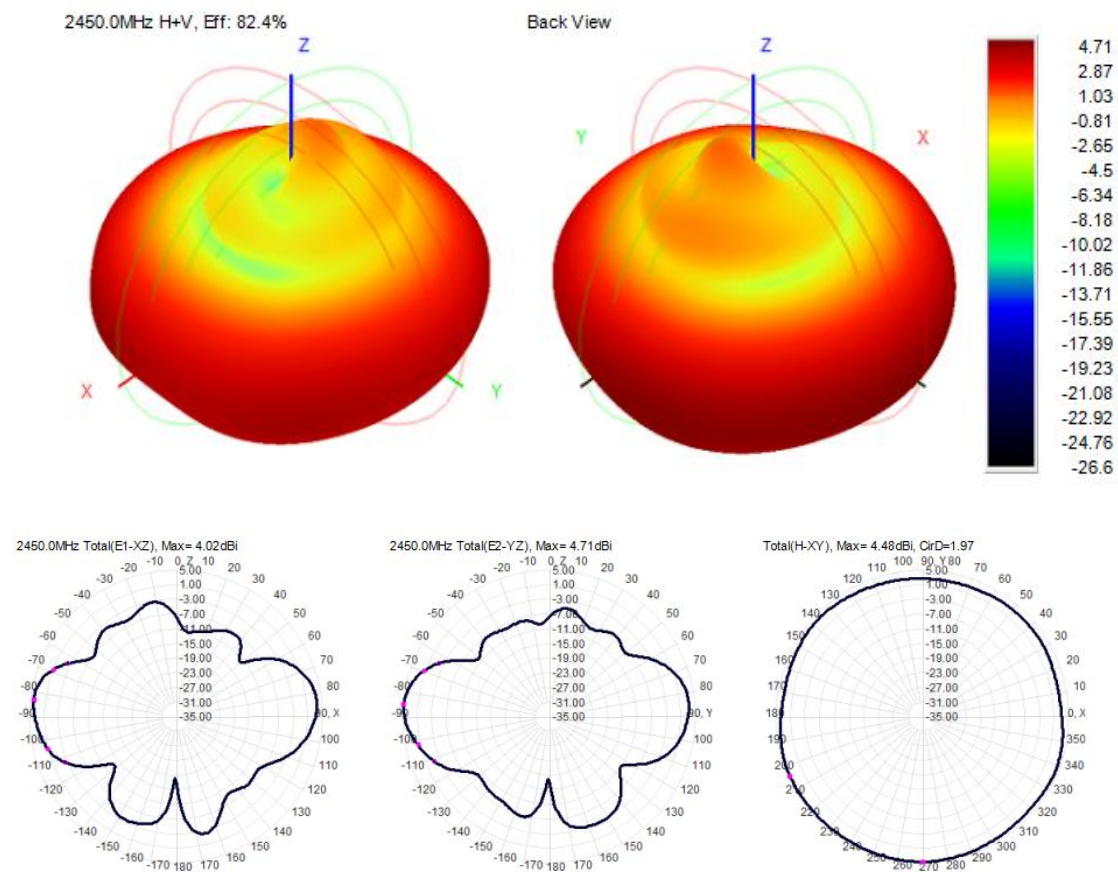
Shenzhen yixin Electronic Technology Co.,Ltd

4.22.2 天线的增益效率:

Marker (MHz)	2400	2450	2500	5150	5350	5510	5710	5850
Gain (dBi)	4.26	4.71	4.30	3.96	4.60	4.26	3.43	2.90
Efficiency (%)	81.84	82.37	75.09	66.46	64.36	60.19	66.62	58.28

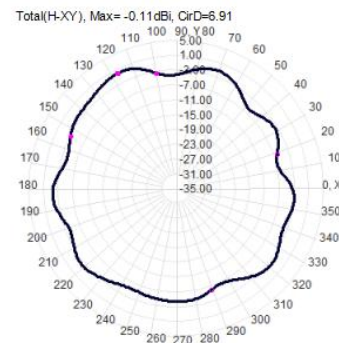
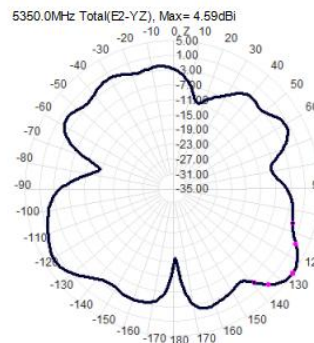
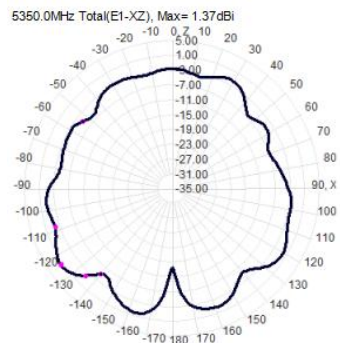
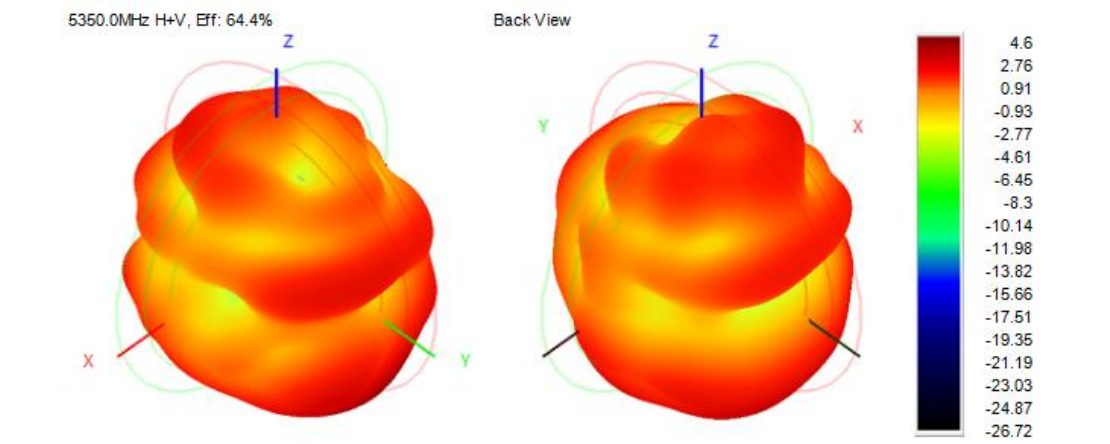
4.22.3 天线的辐射方向图:

2450 MHz:

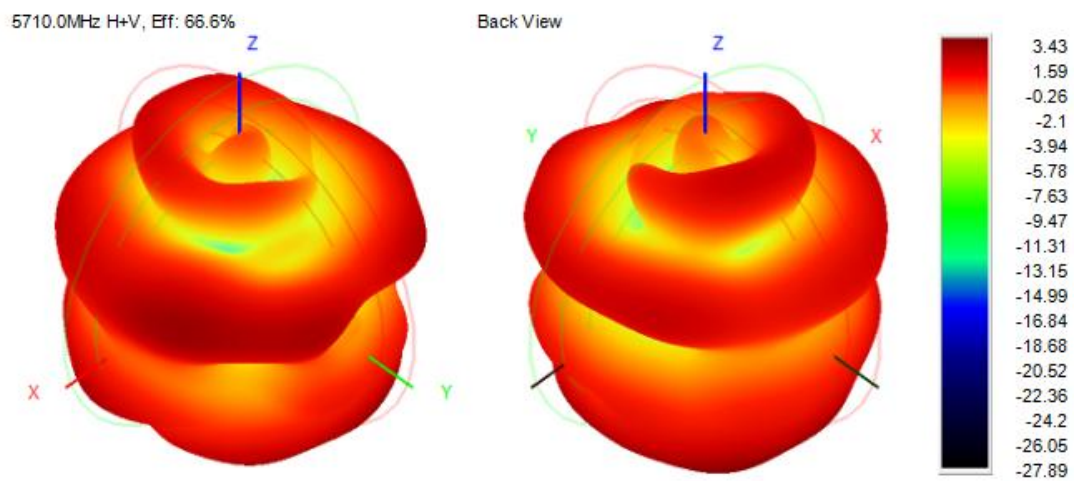


5350 MHz:

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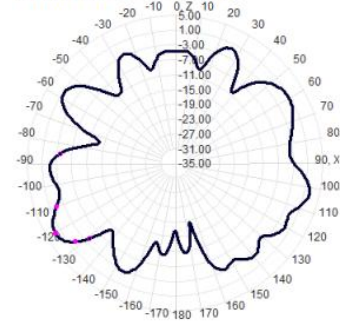


5710 MHz:

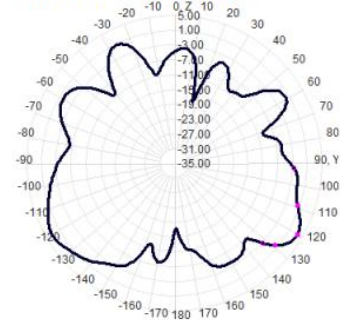


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5710.0MHz Total(E1-XZ), Max= 2.45dBi



5710.0MHz Total(E2-YZ), Max= 3.19dBi



Total(H-XY), Max= -0.91dBi, CirD=6.34

