

制造商:深圳市海瑞泓科技有限公司

Manufacturer:Shenzhen HaiRuiHong Technology Co.,Ltd.

Address: Room B703A, No. 57, Second Industrial Zone,
Houting Community, Shajing Subdistrict, Bao'an District,
Shenzhen City

Antenna Specification

深圳市海瑞泓科技有限公司

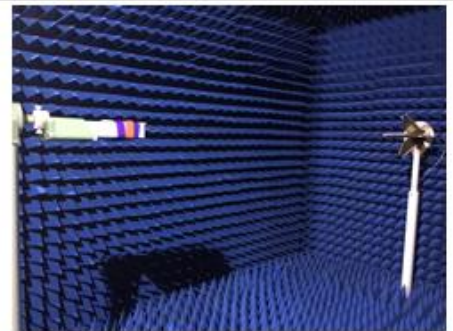
Shenzhen HaiRuiHong Technology Co.,Ltd.

Customer Name:_____

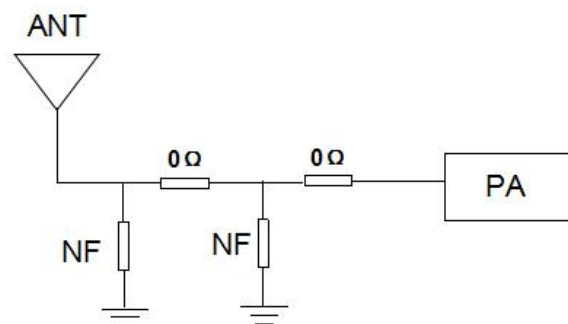
Project Name	YXW256-2.4G	Frequency Band	2.4GHz-2.5GHz
Specification description	☐ Supporter + Bullets	☐ Single bullet	☐ Supporting frame + FPC + Punching tool
	☒ FPC	☐ FM	☐ GPS
	☐ Others		
	☒ Coaxial cable		

1. Testing items and equipment

	Testing items	Equipment
1. S11 Parameters (S-parameter)	1. Return Loss 2. Voltage Standing Wave Ratio (VSWR)	Network analyzer: Agilent E5071B HP 8753D
2. Active Testing	1. Transmit Power (TRP) 2. Reception Sensitivity (TIS)	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Comprehensive tester: Agilent 8960 E5515B ×2 StarPoint SP6011
3. Passive Testing (Passive)	1. Antenna Gain 2. Antenna Efficiency	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Network analyzer: Agilent E5071B HP 8753D



2. Matching Circuit:

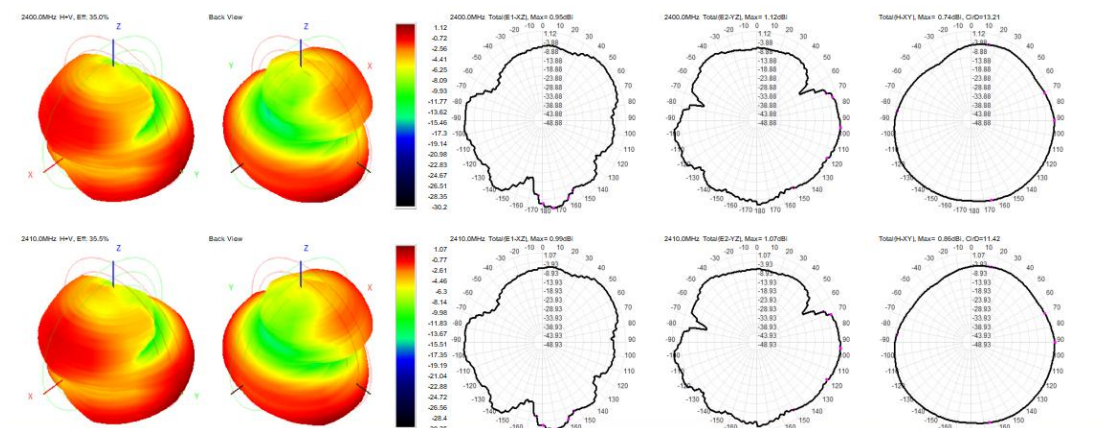


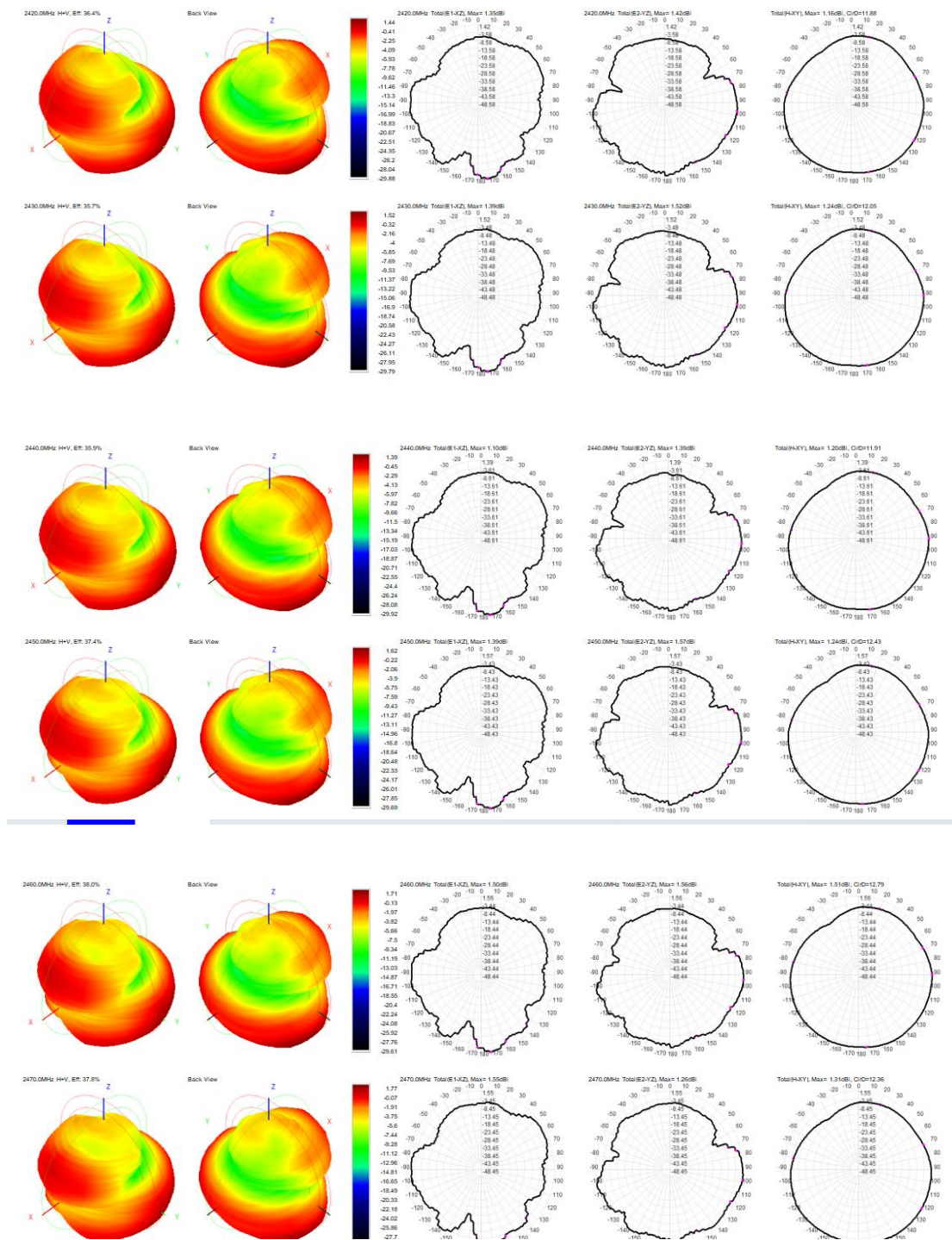
3: Standing Wave Ratio:

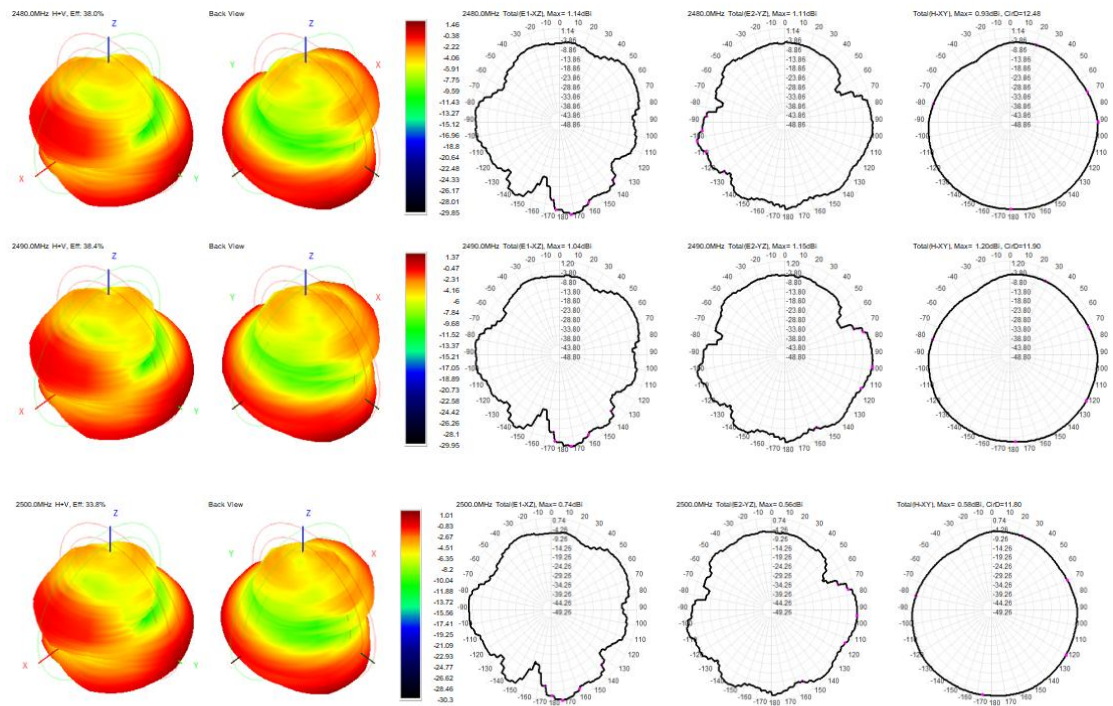


WIFI Efficiency and Gain:

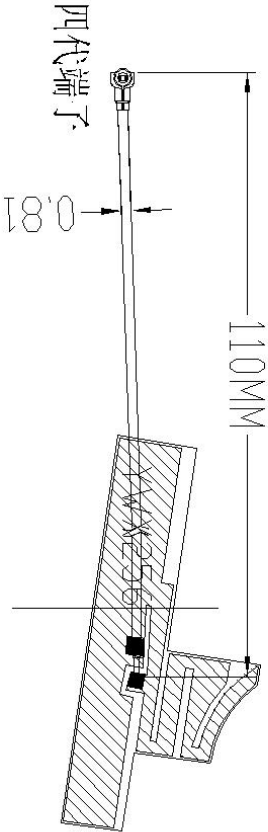
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.70	-3.80	-4.02	-4.12	-4.32	-4.51	-4.40	-4.57	-4.94	-4.56	-4.36
Gain (dBi)	0.85	0.78	0.62	0.76	0.57	0.23	0.27	-0.32	-0.79	-0.22	0.43
Efficiency (%)	42.70	41.73	39.61	38.76	36.99	35.40	36.33	34.93	32.10	35.01	36.60
Directivity (dB)	4.55	4.58	4.65	4.87	4.89	4.74	4.67	4.25	4.15	4.34	4.79
Peak Gain Position (Theta)	80.00	80.00	88.00	80.00	84.00	84.00	84.00	70.00	70.00	69.00	69.00
Peak Gain Position (Phi)	60.00	60.00	300.00	60.00	300.00	300.00	300.00	0.00	0.00	0.00	0.00
Efficiency ThetaPol (%)	28.57	27.69	26.22	25.42	24.05	22.85	23.57	23.22	21.01	22.61	23.70
Efficiency PhiPol (%)	14.13	14.04	13.39	13.34	12.94	12.54	12.76	11.70	11.09	12.40	12.91
Upper Hem. Efficiency (%)	22.58	22.01	21.04	20.73	19.92	19.07	19.70	19.04	17.49	19.07	20.19
Lower Hem. Efficiency (%)	20.12	19.72	18.57	18.03	17.07	16.32	16.63	15.88	14.61	15.94	16.41







料号	颜色	色号	供应颜色号
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图代端子 0.8mm 黑色线 总长110MM 铜线1.5x2

由 Autodesk 教育版产品制作

注:

- 1."*"为关键点尺寸,孔位以适配为准;
- 2.FPC材料: 电解铜, 对号;
- 3.反面背胶(3M300LSE);
- 4.未标公差尺寸,最长引出尺寸公差为±0.15, 铜能线条尺寸公差为±0.05, 标出点的孔公差为±0.08;
- 5.实心部分为抗氧化, 通孔处为镀锡区, 面交叉线的为镀锡区;
- 6.表面黑油 (白色) 零件
- 7.Pb、Hg、Cr+6、PBBs、PBDEs 各项小于500PPM, Cd 小于50PPM。

深圳市海瑞泓科技有限公司				项目端子				YH3256				日期				页码				1 1			
				项目端子				YH3256				日期				页码				1 1			
				零件名称				YH3256				日期				页码							
				零件图号				YH3256				日期				页码							
				材料				PT				日期				页码							
				表面处理								日期				页码							

4.: Structural drawings