客户名称：

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

物料名称

APPELLATION： **Antenna Assembly**

产品规格

MODEL： **2.4~2.5GHz 天线 1.13灰色线L=220MM**

料号

No.： **HR8EG**

生产方	工艺审核 *Technical*	品质审核 *Quality*	项目审核 *Project*	开发审核 *Developing*
	邓开元	曾雪军	李松林	邓开元

客户方	材料工程师 Materials Engineer	设计工程师 Engineer	主管审批 Approval	研发体系 R & D System

一、基本信息

供应商信息：深圳直升机无线电天空科技有限公司
Supplier information:Shenzhen HelloRadioSky Technology Co., LTD

二、天线规格表

Specification

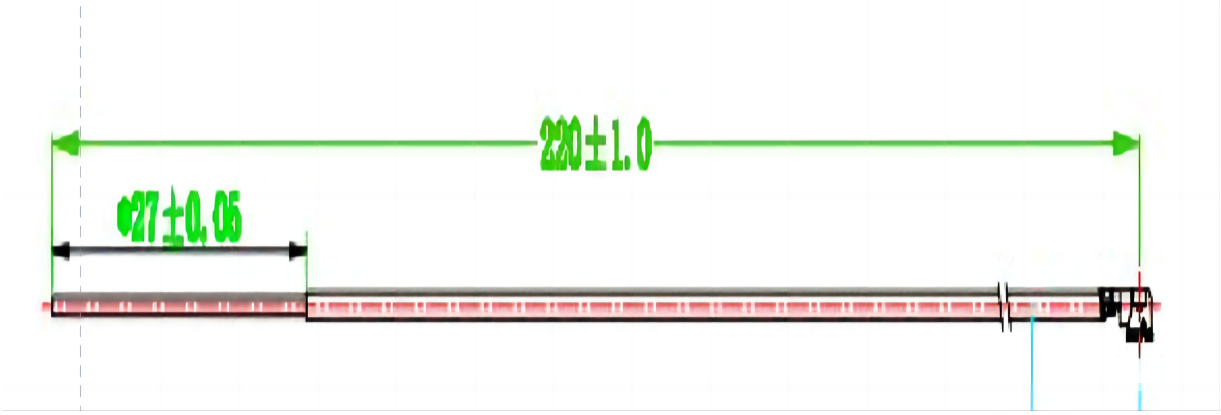
1.Electrical Properties

1.1 Frequency Range----------2.4-2.5GHz
1.2 Impedance---------- 50Ω
1.3 VSWR---------- 2.0：1
1.4 Return Loss---------- -10dB or Less
1.5 Radiation---------- Omni-directional
1.6 Gain ---------- 1.5dbi
1.7 Polarization ---------- Linear polarization
1.8 Admitted Power---------- 1W
1.9 Cable----------Φ1.13mm Gray Cable

2．Physical Properties

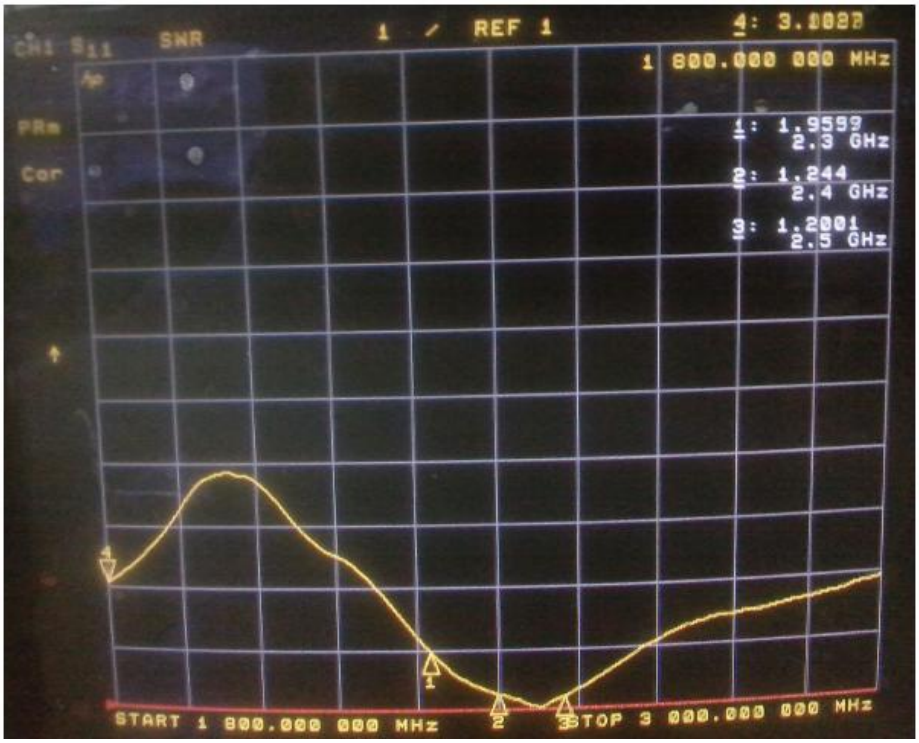
2.1 Antenna Cover----------PVC
2.2 Antenna Base---------- Nylon
2.3 Antenna Base---------- Copper
2.4 Operating Temp---------- -10℃~+60℃
2.5 Storage Temp---------- -10℃~+70℃
2.6 Color----------

三、成品图：



四、测试报告

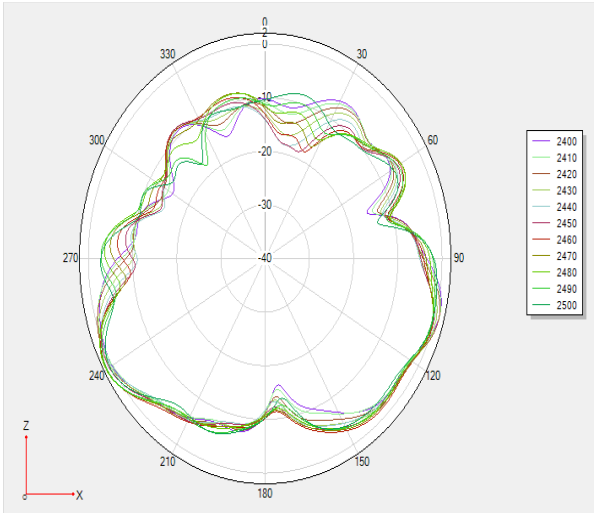
Return loss:



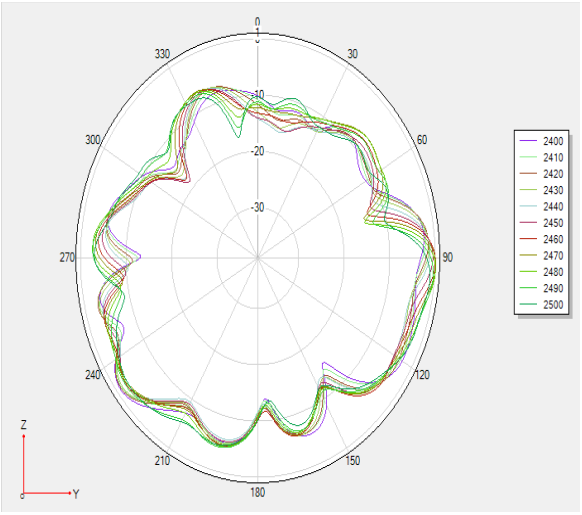
效率和增益

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)	-2.142	-2.083	-2.089	-2.095	-1.989	-1.914	-1.933	-1.960	-1.968	-1.970	-2.374
Gain (dBi)	1.268	1.357	1.341	1.355	1.461	1.5	1.487	1.476	1.468	1.466	1.386
Efficiency (%)	74.89	74.10	74.35	74.66	74.40	76.28	76.01	76.03	73.93	74.87	76.30
Directivity (dB)	3.50	3.40	3.40	3.50	3.52	3.43	3.27	3.33	3.64	3.80	3.76
Peak Gain Position (Theta)	92.00	75.00	81.00	79.00	77.00	77.00	77.00	91.00	91.00	91.00	91.00
Peak Gain Position (Phi)	247.00	227.00	236.00	232.00	228.00	224.00	223.00	292.00	293.00	294.00	295.00

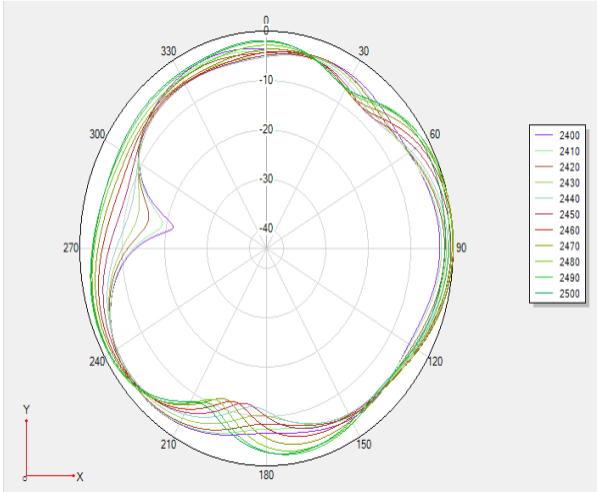
2D、3DRaditation Pattern:



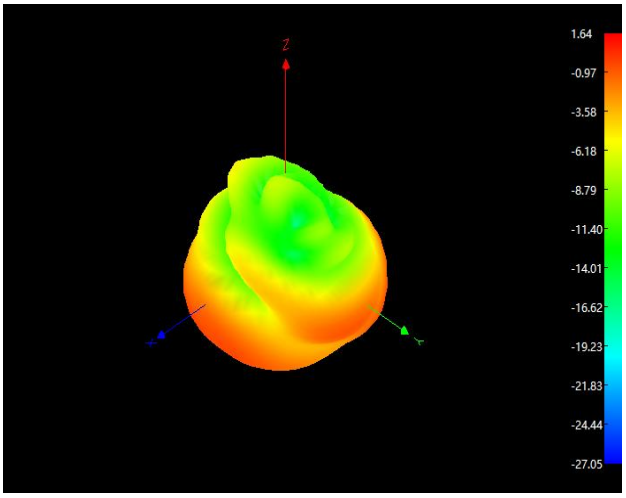
2.4GHz



2.45GHz



2.5GHz



3D