

SPECIFICATION FOR APPROVAL

CUSTOMER :	
PART NAME :	贴片四螺旋WiFi 2.4G (3.2mm*1.6mm*0.8mm)
PART NO. :	2.4G
DZZ NO. :	D04-0876-R0A
REV. :	

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

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PCB Antenna Assembly

Specification(With housing)

1.Electrical Properties

- 1.1 Frequecy range.....2.4G~2.5G
- 1.2 Impedance.....50Ω Norminal
- 1.3 Antenna TypeMonopole
- 1.4 VSWR.....<2
- 1.5 Efficiency≥50%
- 1.6 Gain(Peak).....0dBi
- 1.7 Radiation.....Omni
- 1.8 Polarization.....Linear
- 1.9 Admitted Power.....1W

2.Physical Properties

- 2.1 Dimensions.....3.2mm*1.6mm*0.8mm
- 2.2 Connector Type.....SMT
- 2.3 Working Temperature.....-20°C~+65°C
- 2.4 Storage Temperature.....-30°C~+75°C

Antenna Design for 贴片四螺旋WiFi天线

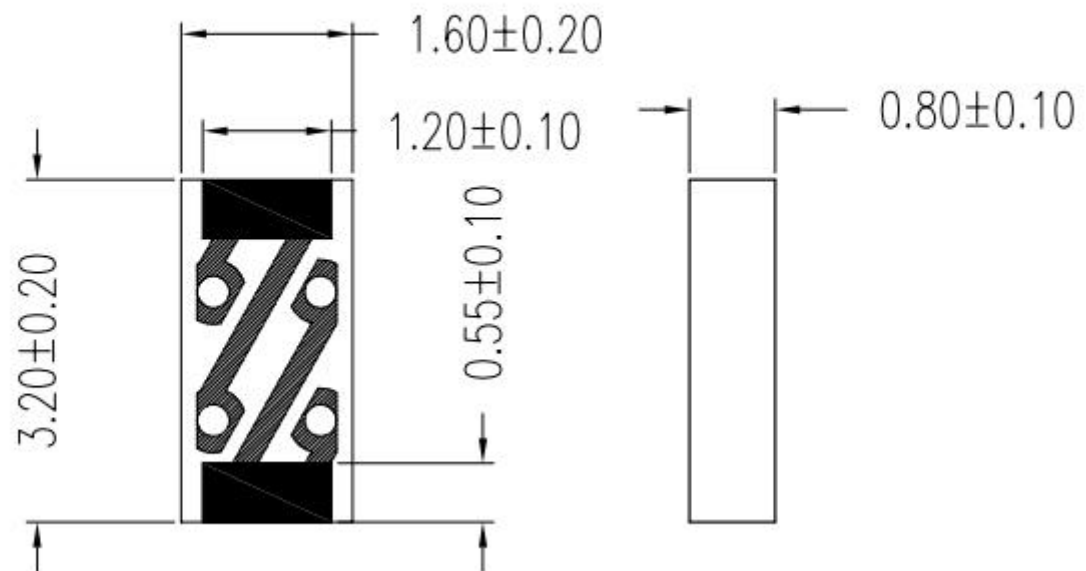
V1.00

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Author	Huiping Feng
Review By	Zhongyi Zhao

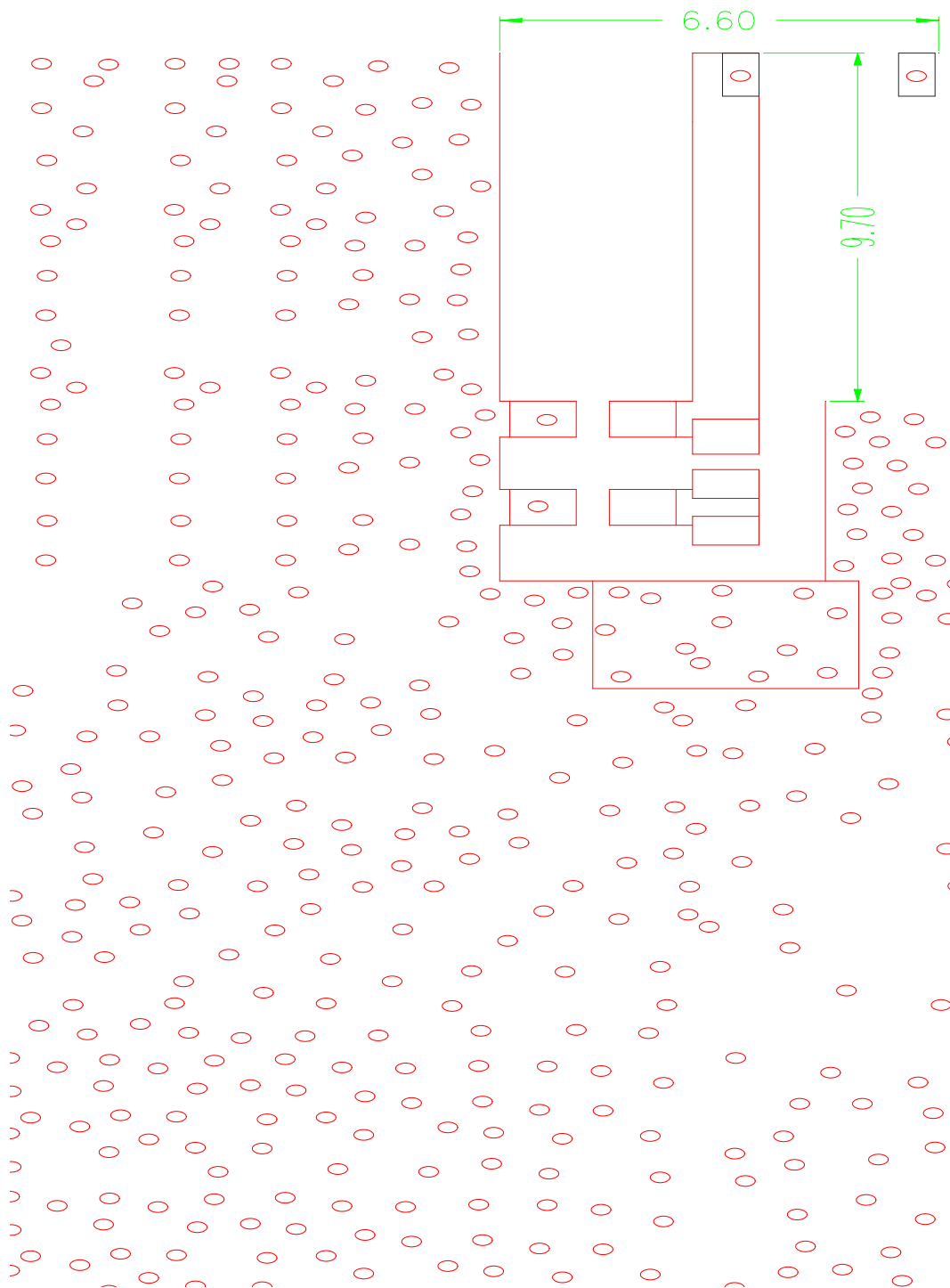
Revised History

[illegible]

1.1 Mechanical instruction

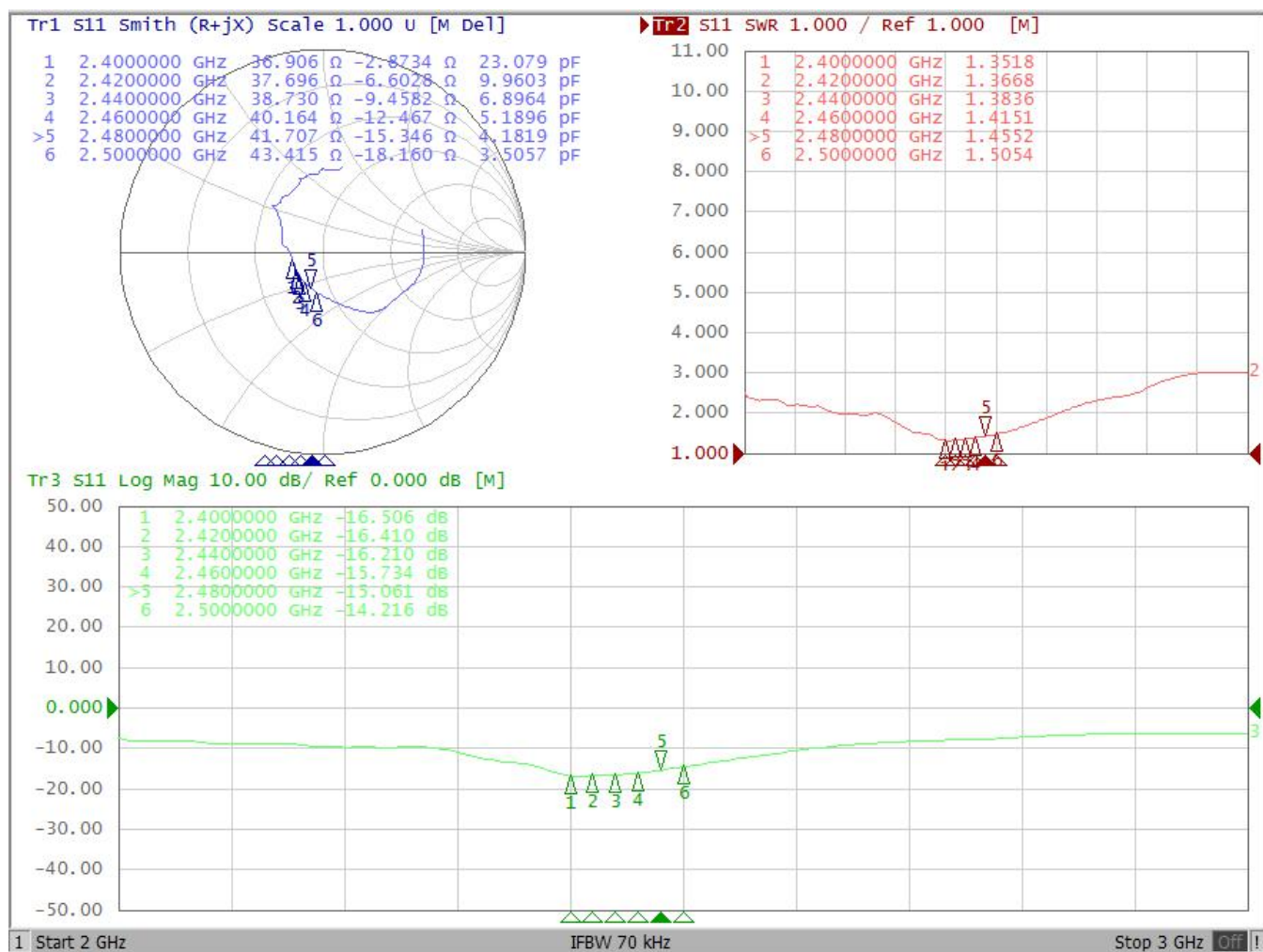


1.2 Antenna clearance size requirement



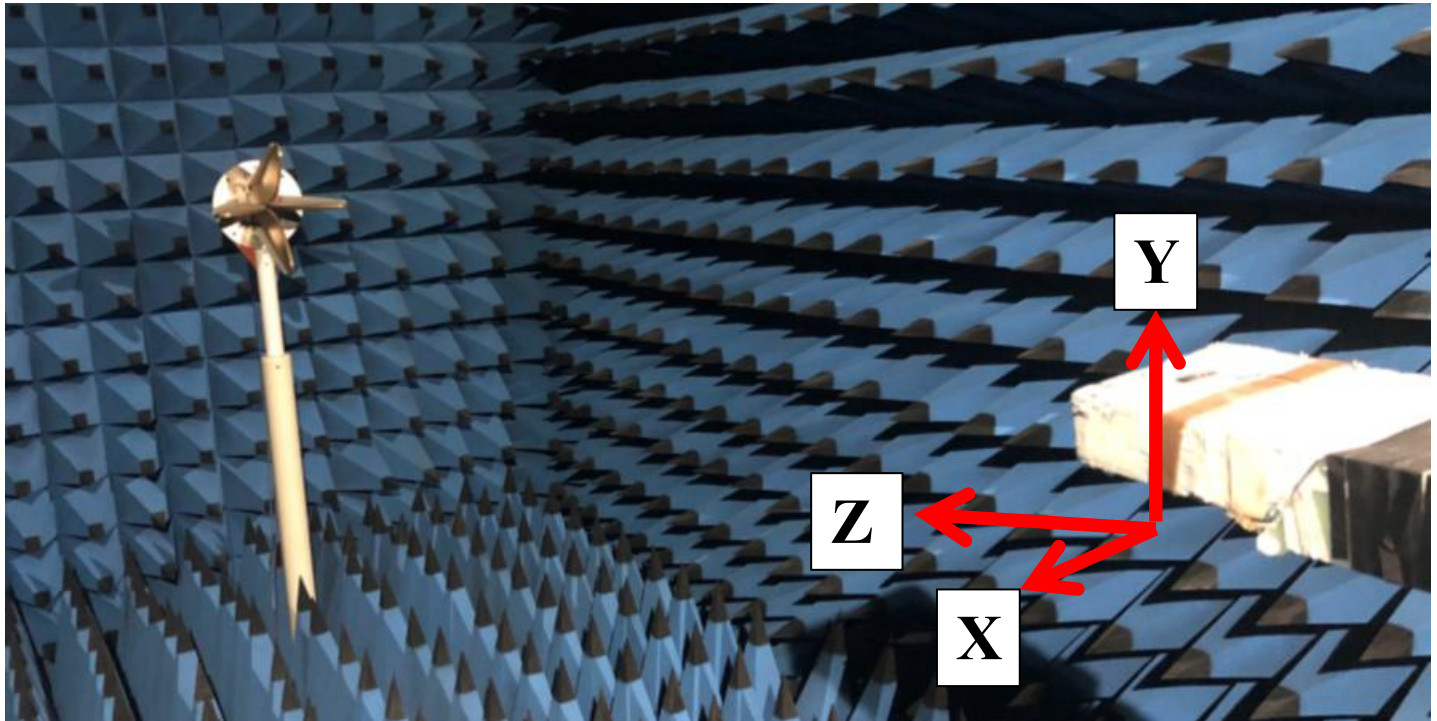
2. Analyzer Measurement

2.1 Ant 四螺旋wifi天线 S11

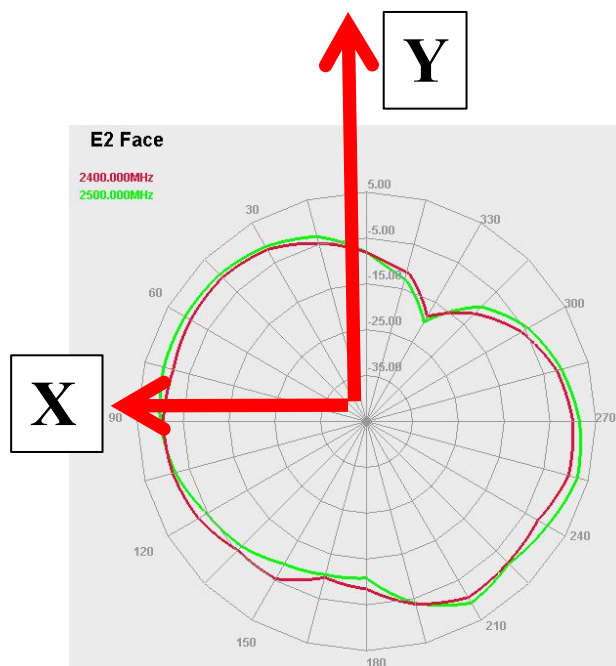
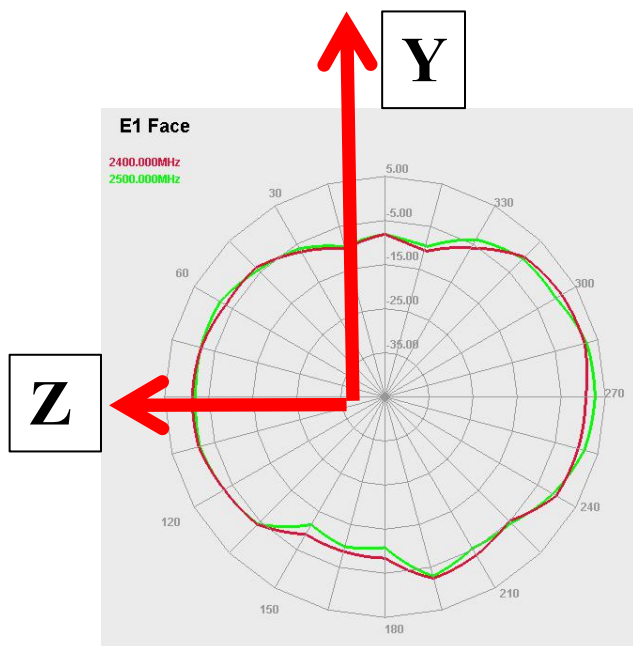
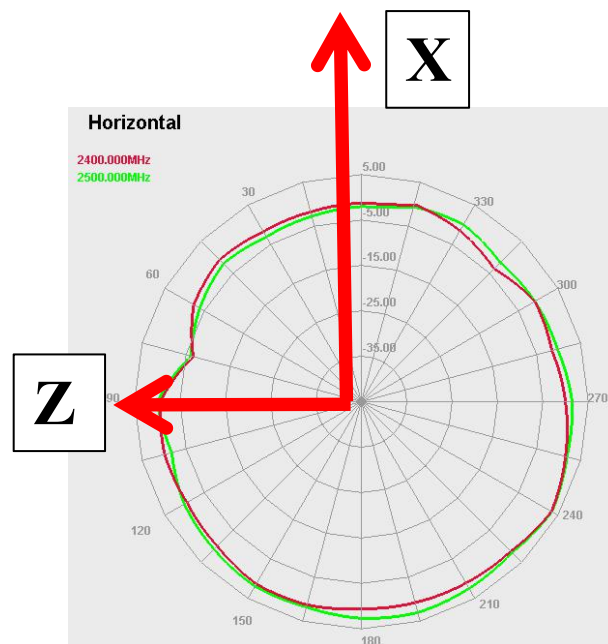
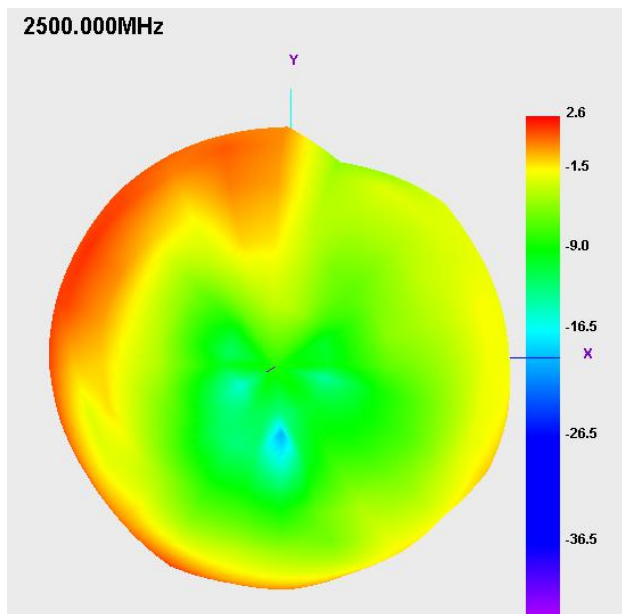


3. Gain & Patterns test results

3.1 Measurement setting

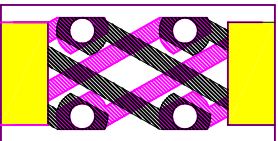
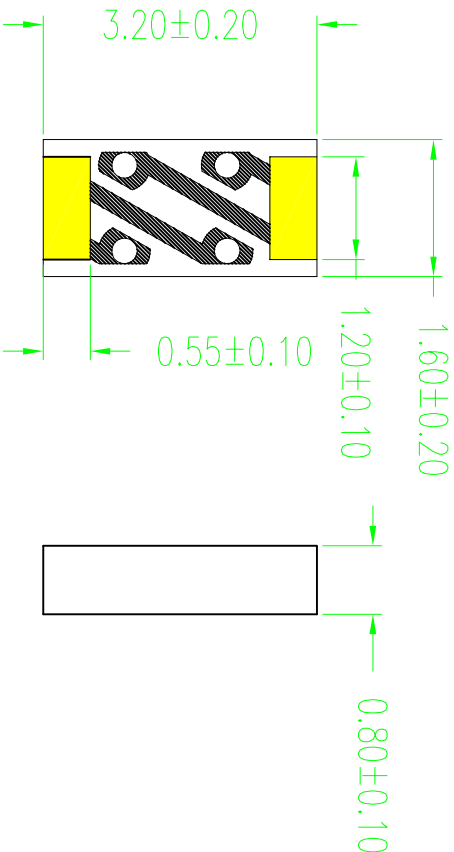
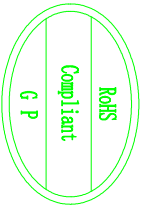


3.2 2D Patterns (2.4G)



4 3D Peak Gain & Efficiency(2.4G)

Frequency (GHz)	Efficiency (%)	Peak Gain (dBi)
2400	55.31	1.71
2410	55.52	1.63
2420	55.57	1.69
2430	56.39	1.66
2440	56.99	1.67
2450	57.78	1.68
2460	56.69	1.75
2470	55.54	1.69
2480	54.51	1.82
2490	53.26	1.79
2500	53.97	1.83



线路左右交错

备注:

1. PCB材料: 电解铜1/2OZ. 双面板. FR4
2. 镀点处理: 镀金. 镀金厚度0.013um
3. 表面处理: 黑油. 尺寸: 长*宽*厚度
4. 包装方式: 载带包装
5. 丝印字体: 掏金
6. 未标公差尺寸, 模具冲出尺寸公差为±0.1, 寸公差为±0.05, 标重点的孔公差为±0.05.
7. 涂 斜线 为铜箔线路, 涂 点阵 为穿孔. 涂 黄色 的为镀点区域. 涂 白色 的为基材区域
8. 安规要求: ROHS六项
9. 品质要求按照得自在《IQC进料检验规范》执行

				深 圳 得 自 在 科 技 有 限 公 司			
				SHEN ZHEN Be Comfortable CO., LTD			
				Third Angle		Project 四螺旋贴片天线	
		0~10		±0.05		○ 0.02	
		10~18		±0.10		◎ φ0.03	
		18~30		±0.12		⊥ 0.02	
		30~40		±0.15		∠ 0.04	
		40~		±0.20		Angle ±0.5°	
		Location				DWG No. N12-4878-R0A	
						Date 2020-1-8	
						Designed by	
						MD 张小东	
						Checked by RF 冯惠平	
						Approved by	
						Unit mm	
						Scale 1:1	
						Rev A	
						Date	
						Remark	
						Description	
						Rev	
						1	

产品包装规范

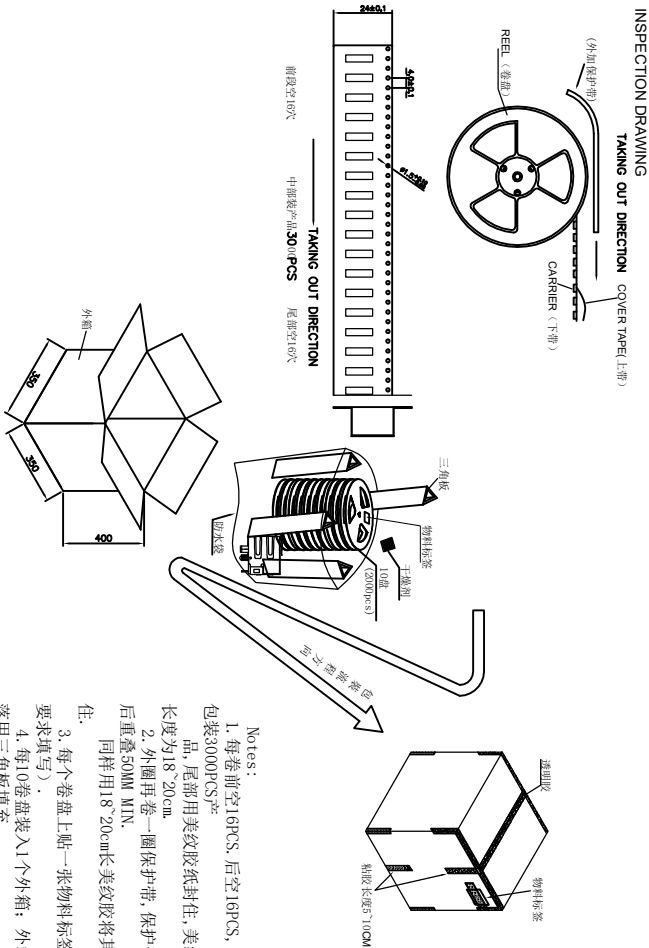
日期：2020.9.25

page: 1 of 1

成品名称：四壁螺旋天线

版本：A

客户：



- Notes:
1. 每卷前空16PCS, 后空16PCS, 中间包装3000PCS±2产品, 尾部用美纹胶纸封住, 美纹胶长度为18*20cm
 2. 外圈再卷一圈保护带, 保护带最后重叠50MM MIN. 同样用18*20cm长美纹胶将其封住.
 3. 每个卷盘上贴一张物料标签 (按 要求填写).
 4. 每10卷盘装入1个外箱; 外箱角落用三角板填充.
 5. 用透明胶将外箱封口
 6. 将标签(按要求打印好的)贴在纸箱侧表上方.
 7. 尾数箱用纸壳或其它填充物填满空间, 或将纸箱割小至刚好表下.
 8. 在搬运过程中要轻柔轻放.
 9. 在运输中不可堆放过多, 不可有重压现象.

注：客户特殊要求请参照业务的出货资料, 以实际包装为准;

批准：

确认 赵中义

拟制：殷正军