

客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT 客户/机型: 鸣志 NEMA 无线单灯控制器

CUSTOMER P.N./ 客户物料号: _____

PRODUCT NAME./ 物料名称: WIFI 内置天线

MODEL NO./ 物料型号: 6Q015A-11

SPECIFICATION/ 物料规格: _____

SUPPLIER AUTHORIZED SIGNATURE/供应商承认签核		
制作/PREPARED	审核/CHECKED	批准/APPROVED
肖文珍		

CUSTOMER AUTHORIZED SIGNATURE/客户承认签核			
项目		质量	

Please return to us one copy of "SPECIFICATION FOR APPROVAL" with your approved signature./ 客户确认签字，盖章后请回传一份承认书给我司。

ADD: No.358 Liuyuan RD., Baoshan Urban Industrial District, Shanghai, P.R.China.

地址: 上海市宝山城市工业园区柳园路358号2号楼1楼

TEL: +86-21-66276925(26/29/35) – 615

杰盛康机密，未经允许，请勿转载

目录

目录/content.....	1
1 名词解释/Noun explanation	4
2 测试设备/Test equipment	4
3 适用频段/Working frequency band.....	4
4 基本测试项目/Test project.....	5
4.1 驻波比图/VSWR plot.....	5
4.2 史密斯阻抗图/Simth plot.....	5
4.3 辐射方向图/Radiation pattern	5
4.4 增益和效率/Gain & Efficiency	5
5 测试指标和数据图表/Antenna parameter.....	5
5.1 驻波比/VSWR.....	5
5.1.1 驻波比图/VSWR plot.....	5
5.1.2 驻波比数据/VSWR data	6
5.2 史密斯阻抗圆图/Simth plot.....	6
5.3 辐射方向图/Radiation pattern	7
5.3.1 H-plane	7
5.3.2 E-plane	8-9
5.4 增益和效率/UGain & Efficiency.....	10-11
6 环境处理建议/Environmental treatment suggestions	10
7 阻抗匹配要求/Impedance matching.....	10
8 天线外形图/Antenna plan	11



8.1 天线尺寸图/ Antenna dimensional drawing	12
8.2 馈线尺寸图/Coaxial cable length drawing	12
8.3 射频端尺寸图/Connecter drawing.....	12
9 天线安装指导/Antenna installation guide	12
9.1 天线安装说明/Antenna installation instructions	12
9.2 馈线走线说明/Coaxial routing	13
10 其他/Other.....	12

1 名词解释/Noun explanation

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 测试设备/Test equipment

矢量网络分析仪/ network analyzer

综合测试仪/ Agilent8960

SATIMO64 位暗室/ SATIMO64 chamber

3 适用频段/Working frequency band

将适用的频段用其他颜色标出/The yellow Identification is the using band

制式/ band	上行/ uplink	下行/ downlink
GSM850	824MHz~849MHz	869MHz~894MHz
GSM900	890MHz~915MHz	935MHz~960MHz
DCS1800	1710MHz~1785MHz	1805MHz~1880MHz
PCS1900	1850MHz~1910MHz	1930MHz~1990MHz
CDMA800	825MHz~835MHz	870MHz~880 MHz
CDMA2000	824MHz ~849MHz	869MHz ~894MHz
WCDMA2100	1920MHz~1980MHz	2110MHz~2170MHz
TD-SCDMA1900	1880MHz~1920MHz	1880MHz~1920MHz
TD-SCDMA1900	2010MHz~2025MHz	2010MHz~2025MHz
WIFI (2. 4G)	2412MHz~2483MHz	2412MHz~2483MHz

杰盛康机密，未经允许，请勿转载

4 基本测试项目/Test project

4.1 驻波比图/VSWR plot

4.2 史密斯阻抗图/Simth plot

4.3 辐射方向图/Radiation pattern

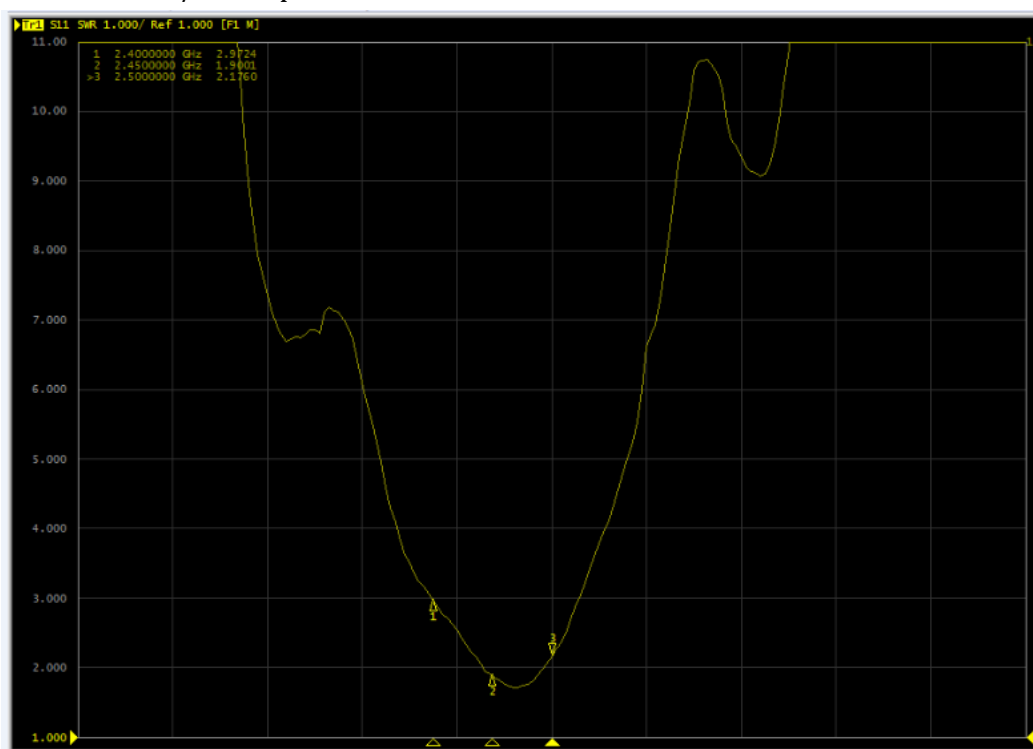
4.4 增益和效率/Gain & Efficiency

4.5 TRP&TIS 测试

5 测试指标和数据图表/Antenna parameter

5.1 驻波比/VSWR

5.1.1 驻波比图/VSWR plot

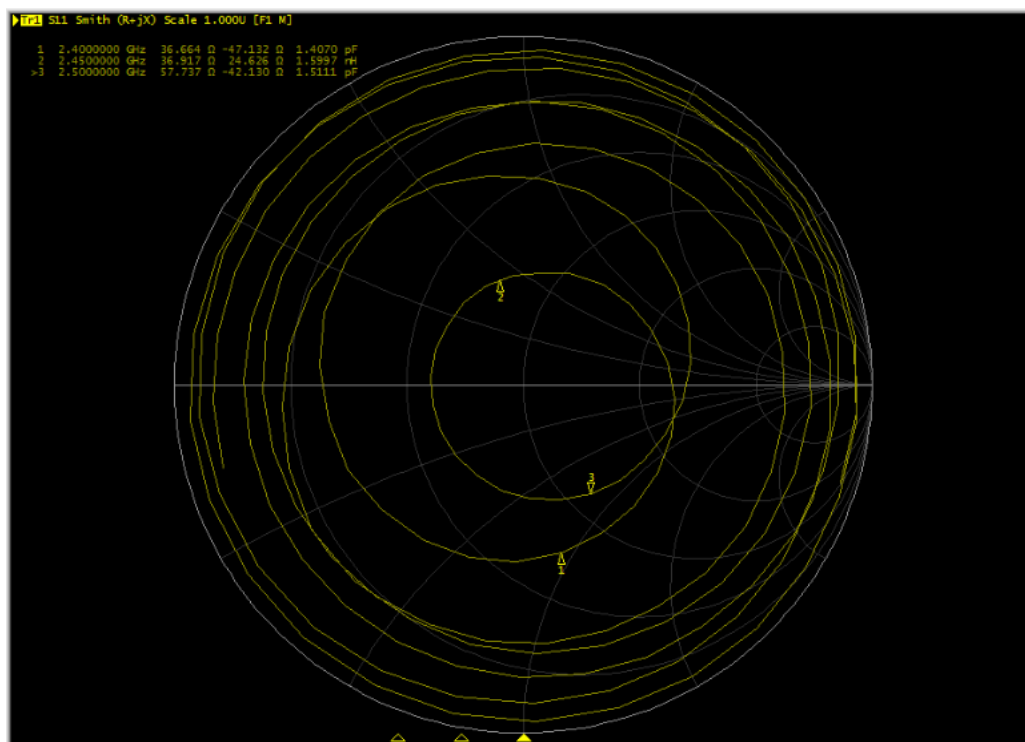


杰盛康机密，未经允许，请勿转载

5.1.2 驻波比数据/VSWR data

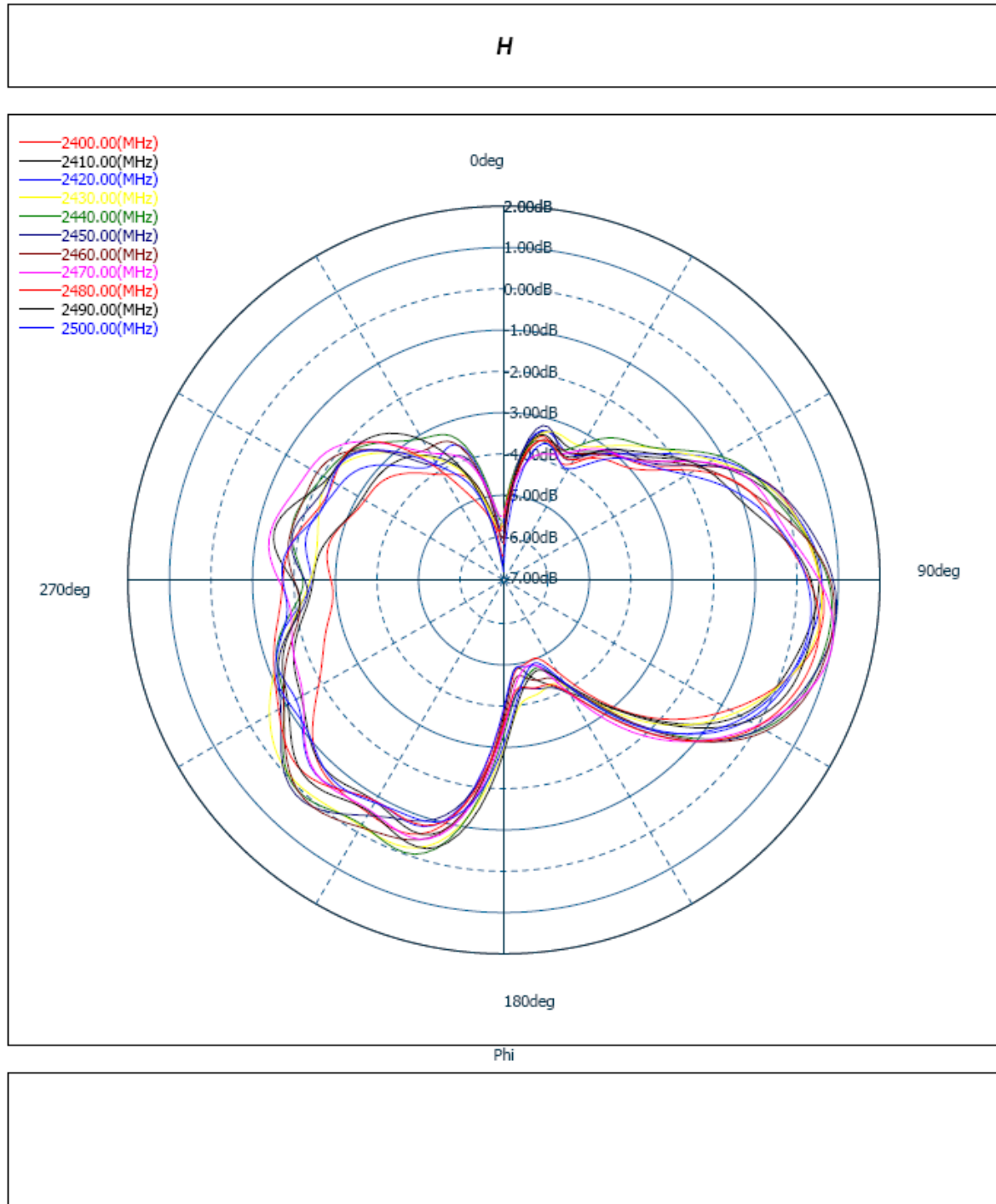
Freq/MHz	2400	2450	2500
VSWR	2.97	1.90	2.17

5.2 史密斯阻抗圆图/Simth plot



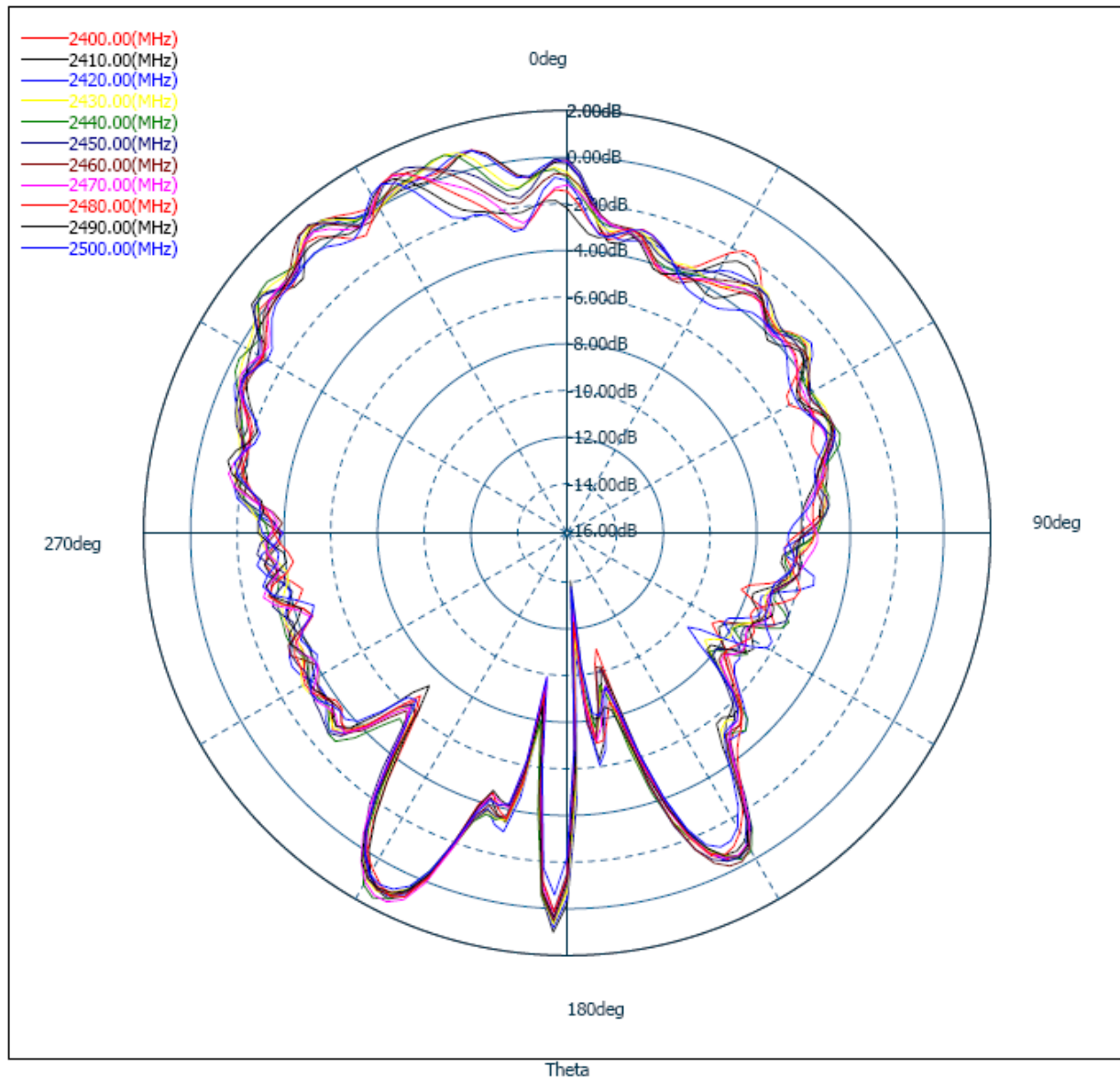
5.3 辐射方向图/Radiation pattern

5.3.1 H-plane

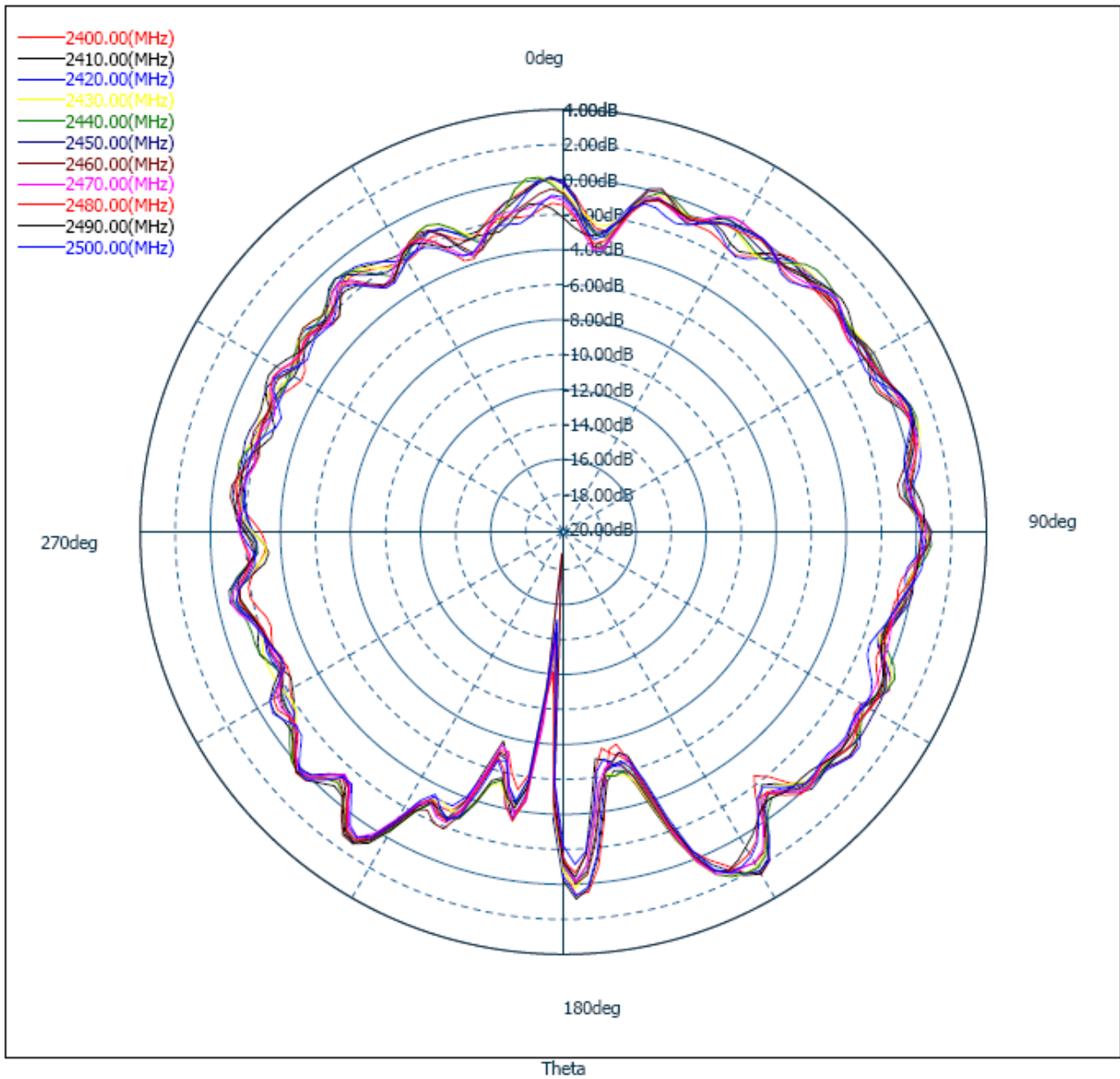


5.3.2 E-plane

E1



E2



5.4 增益和效率/UGain & Efficiency

Frequency [Hz]	Efficiency	Gain [dBi]
2.4E+09	61%	2.572368
2.41E+09	62%	2.616763
2.42E+09	63%	2.658202
2.43E+09	64%	2.614882
2.44E+09	65%	2.8819
2.45E+09	65%	2.67603
2.46E+09	64%	2.687956
2.47E+09	63%	2.608554
2.48E+09	62%	2.383194
2.49E+09	61%	2.418574
2.5E+09	59%	2.305513

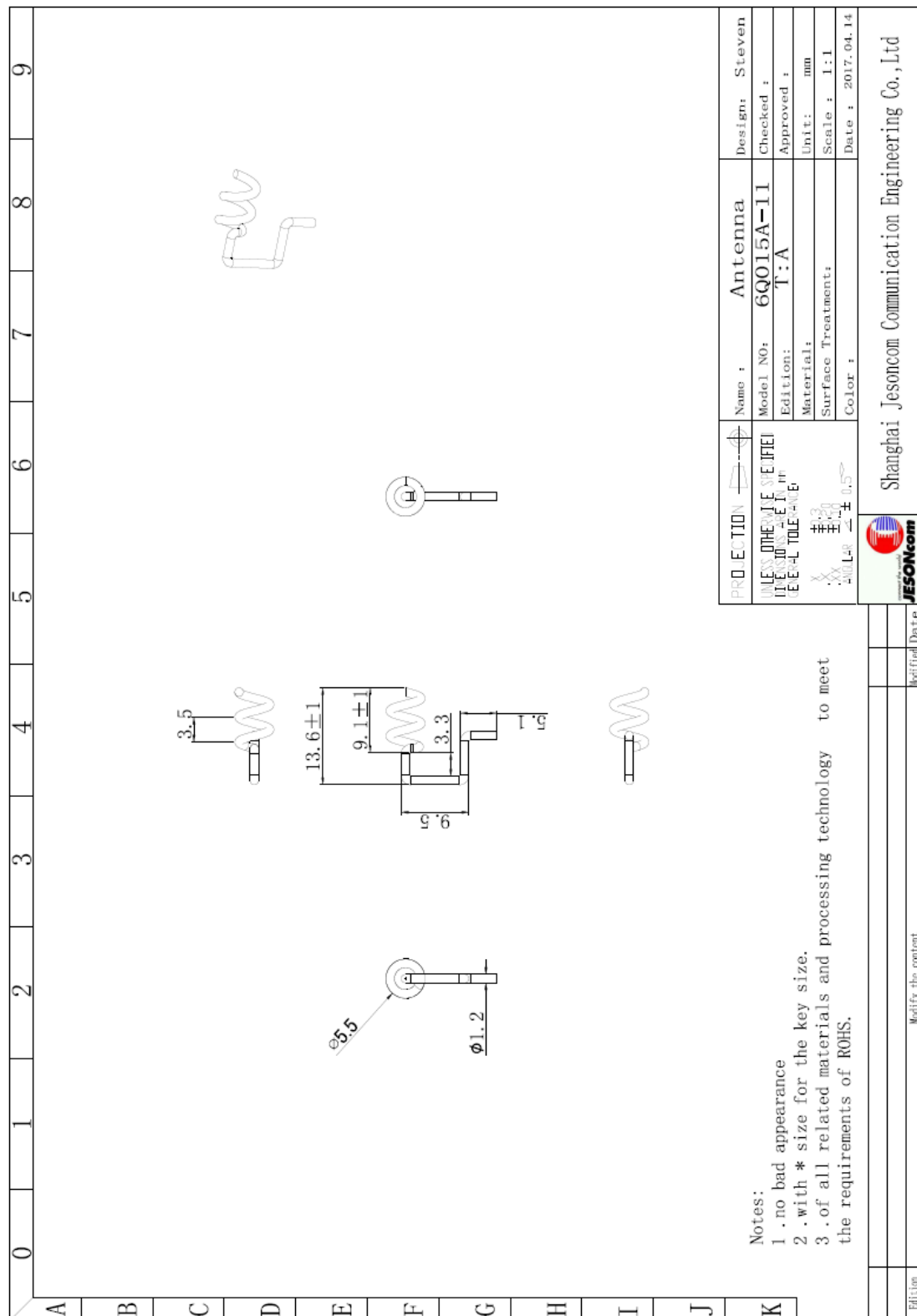
6 环境处理建议/Environmental treatment suggestions

环境不需要做处理/ Environment does not need treatment

7 阻抗匹配要求/Impedance matching

匹配电路没有修改/ *The matching circuit has not been changed*

8 天线外形图/Antenna plan



9 天线安装指导/Antenna installation guide

9.1 天线安装及馈线走线说明/Antenna installation instructions



10 其他/Other