



上海杰盛康通信工程有限公司

Shanghai Jesoncom Communication Engineering Co., Ltd
Confidential

客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT 客户/机型: _____

CUSTOMER P.N./ 客户物料号: _____

PRODUCT NAME./ 物料名称: 915M 外置天线

MODEL NO./ 物料型号: 6Q007V

VERSION 版本	DATE 日期	REVISION DESCRIPTION 修订说明
T:A	2023.1.11	新增

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项目		质量	

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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
915M	910MHz~920MHz	
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
WCDMA900	880MHz~915MHz	925MHz~960MHz
WCDMA2100	1920MHz~1980MHz	2110MHz~2170MHz
TD-SCDMA1900	1880MHz~1920MHz	1880MHz~1920MHz
TD-SCDMA1900	2010MHz~2025MHz	2010MHz~2025MHz

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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

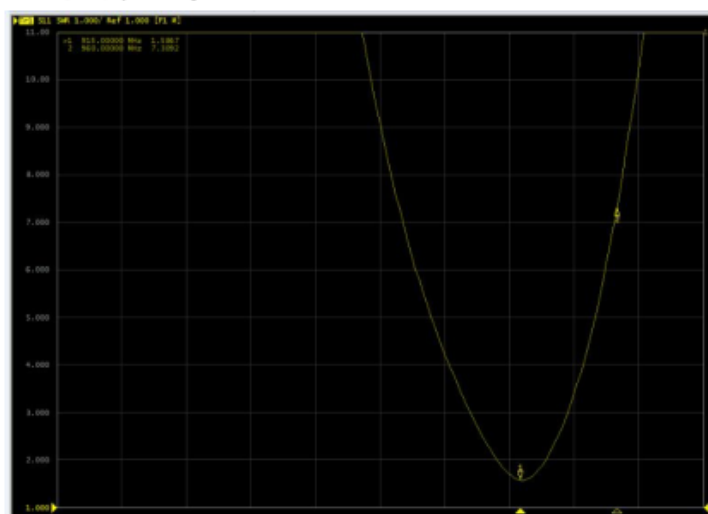
4.3 辐射方向图/Radiation pattern

4.4 增益和效率/Gain & Efficiency

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

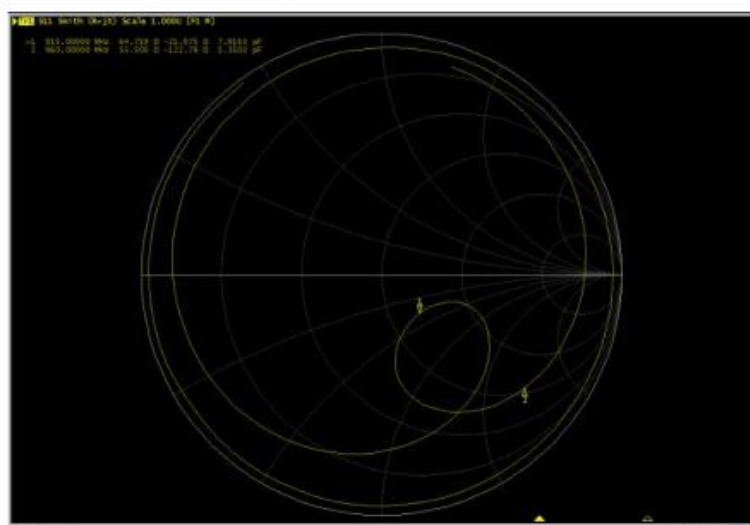


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5.1.2 驻波比数据/VSWR data

Freq/MHz	915
VSWR	1.58

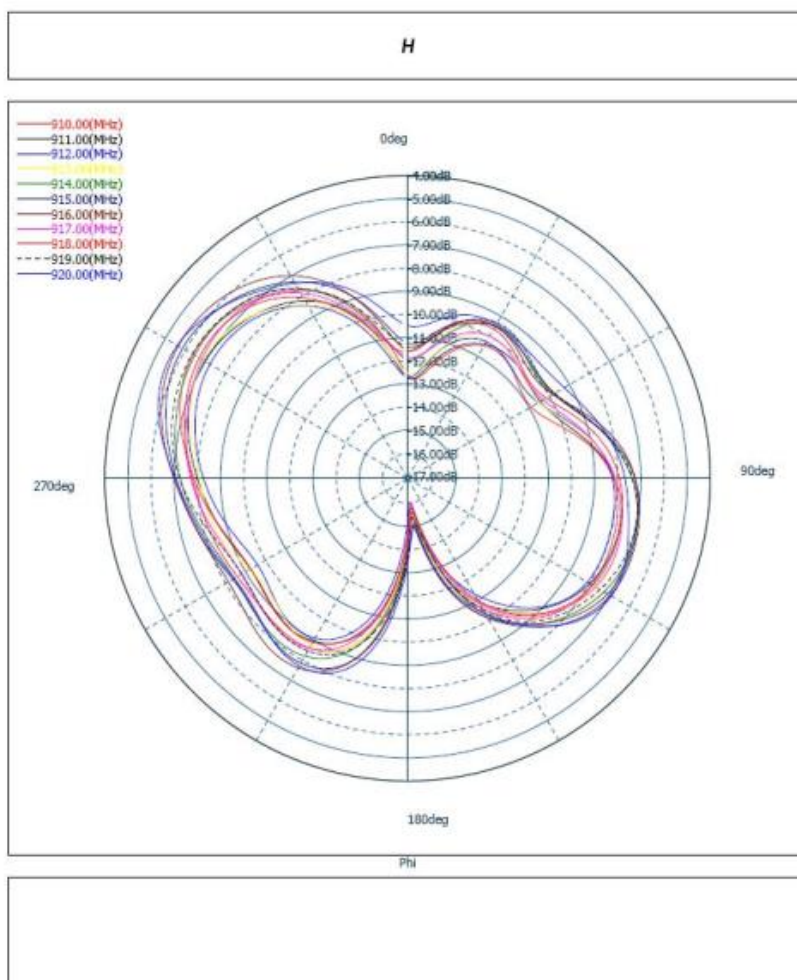
5.2 史密斯阻抗圆图/Simth plot



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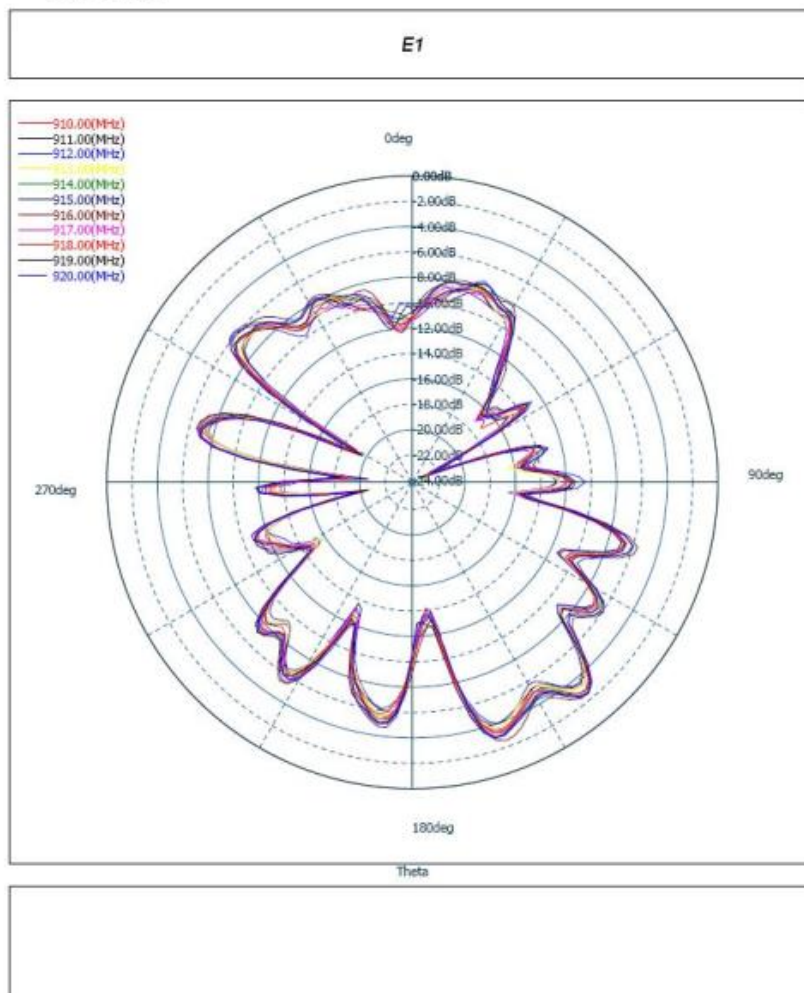
5.3 辐射方向图/Radiation pattern

5.3.1 H-plane

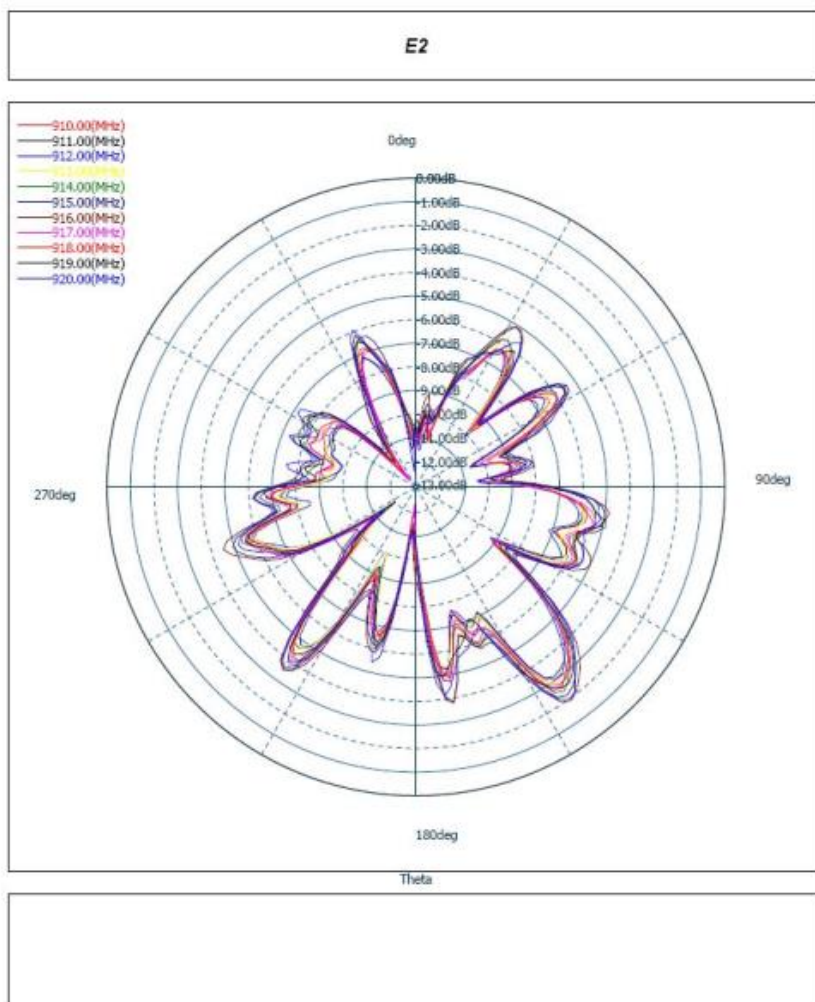


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5.3.2 E-plane



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5.4 增益和效率/UGain & Efficiency

Frequency	Efficiency	Max Gain
Mhz	%	dBi
900	42	1.20
902	41	1.07
904	42	1.20
906	42	1.20
908	41	1.07
910	40	0.56
912	39	0.37
914	41	1.07
916	43	1.50
918	41	0.91
920	43	1.53
922	43	1.50
924	42	1.20
926	41	1.07
928	40	0.56

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

匹配不需要更改/ The matching circuit has not been changed

Technical drawing of an SMA antenna assembly. The drawing includes a side view and a top view. The side view shows a cylindrical antenna with a length of 93.0mm and a diameter of 25.0mm. It features a threaded section with M18x1.5 threads and a flange with a diameter of 21.0mm. The top view shows a circular base with a diameter of 26.0mm and a central hole with a diameter of 2.0mm. The drawing also includes a detail of the SMA connector, showing a length of 7.00±1.0mm and a diameter of 2.0mm. The drawing is labeled with dimensions and part numbers, and includes a table of dimensions and tolerances.

NO	名称	说明	数量	备注
⑧	弹簧线圈	黄铜	1	600078-19 T:1
⑦	铜管	黄铜	1	600071-21 T:1
⑥	SMA接头	内螺纹母针 (镀金)	1	700301-47 T:1
⑤	塑胶螺帽	黑色PA M18*1.5牙距 (对边24mm, 对角25mm)	1	600071-64 T:1
④	密封胶垫	橡胶 外径φ25-内径φ17	1	600071-63 T:1
③	Cable线	黑色 (RG58)	1	600071-46 T:1
②	密封胶塞	黑色PVC+抗阻燃	1	600071-62 T:1
①	外套	黑色 (ABS+抗UV)	1	600071-61 T:1

PRODUCTION 915M外置天线

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm
GENERAL TOLERANCE:
X 3.0
XX 4.0
XXX 5.0
ANGULAR ± 0.5°

料号: 60007T
版本: T:A
材质: 表面处理: 颜色:

审核: Steven
核准: 单位: mm
比例: 1:1
日期: 2022-06-13