



芯图 F606 WIFI2.4G/BT 天线规格承认书
Product Specifications for Approval

物料编号: WF1428B-A80R-A

客户名称: 芯图

机型: F606

天线频段: WIFI2.4G/BT

版本: R-A

制作日期: 2021-03-10

顺达成科技有限公司研发			
结构:	陈巍	射频:	符学荣
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客户确认			
客户审核:		客户批准:	

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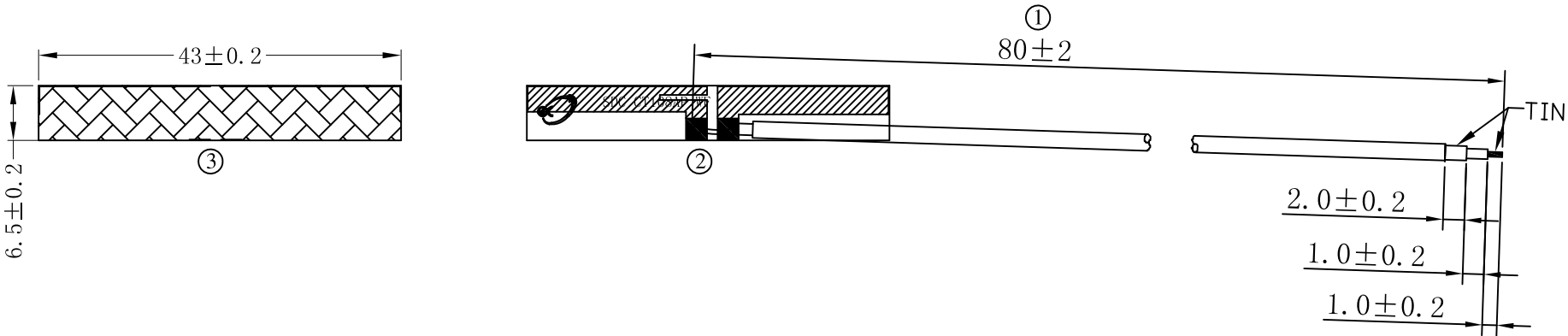
传真: 0755-29485750

RoHS Compliant

独家研发 仿冒必究

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	19.11.16	NEW RELEASE		MISS LUO

F606 SERIES 2.4G FPCB Antenna(Up side)



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				深圳市顺达成科技有限公司 SHEN DA CHENG ELECTRONICS CO., LTD		PART NO.: WF1428B-A80R-A	
6				TITLE: 2.4G FPCB Antenna(Up side)			
5.							
4.							
3.	CAF-Y196008	3M Size:43mm * 6.5mm	1	DRAWN BY	SHINEY HEO	DRAWING NO.	WF1428B-A80R-A
2.	GM0160-01000011-01	FR,T:0.18mm,Size:43mm * 6.5mm	1	CHECKED BY		DRAWING SIZE	A4
1.	GMINI-178B01D11SX	OD:1.13mm Coaxial Cable, FEP Gray Jacket L=80mm	1	APPROVED BY		UNIT	mm
NO.	ITEM	DESCRIPTION	QTY	SORTING NO.	SDC	PAGE	1 OF 1

1. Project information and Electrical Specification

Those specifications were specially defined for 芯图 F606, WIFI2.4G/BT, and all characteristics were measured under the model's handset testing jig .

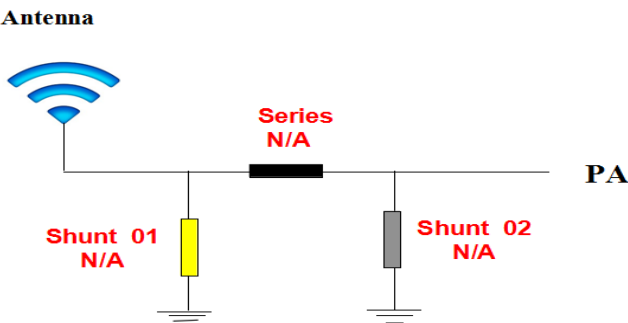
1-1 Antenna picture



1-2 Frequency Band:

Frequency Band	MHz
WIFI2.4G/BT	2400-2500 (MHz)

1-3 Impedance matching



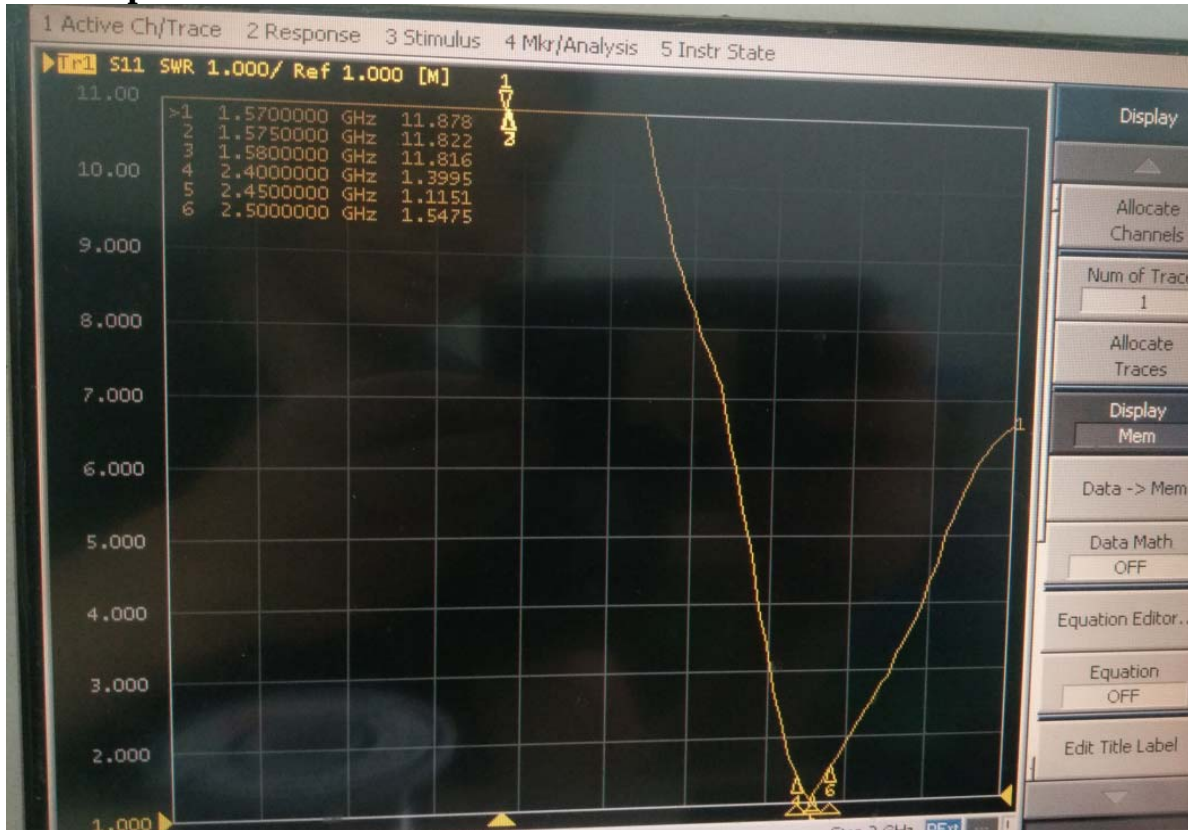
天线原匹配无更改

2.VSWR

Measuring Method:

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

VSWR parameter values



频率 (MHZ)	2400	2450	2500
驻波比	1.39	1.11	1.54

3.Efficiency and Gain*measuring and test instruments:

微波暗室, Agilent 网络分析仪, Agilent 频谱分析仪, 8960 综合测试仪, R&S CMW500 标准天线*test method:

equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。

Efficiency/Gain-WIFI2.4G/BT

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.86	1.45
2425	44.92	1.67
2450	44.37	1.61
2475	43.13	1.53
2500	43.08	1.52

4.WIFI OTA Data

	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH12
TRP	12.37	12.44	12.62
TIS	-75.75	-75.76	-75.42

5.The production index 天线量产时，以驻波比作为量产测试标准。根据项目本身的差异,给出如下标准:

频率	量产标准
WIFI2.4G/BT	VSWR (量产产品) < VSWR(设计样品) +/- 0.5

6. Antenna Assembly & environmental processing

