

南斗星科技香港有限公司

SOUTH STAR TECHNOLOGY HONG KONG COMPANY LIMITED

承认书

APPROVAL SHEET

样品封订

客户名称 Customer Name 国光

产品型号 Product Model JBL-104

客户料号 Customer P/N _____

南斗星料号 SouthstarP/N N14-0815-R0A

制作日期 Production date 2019-07-19

封样版本 Sample Version A 版

南斗星 (Southstar)		
编制 (FICTION)	品质 (DQE)	研发 (R&D)
客户 (Customer)		
采购 (PUR)	品质 (QC)	研发 (R&D)

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表格编号 QP-21-B01/A0

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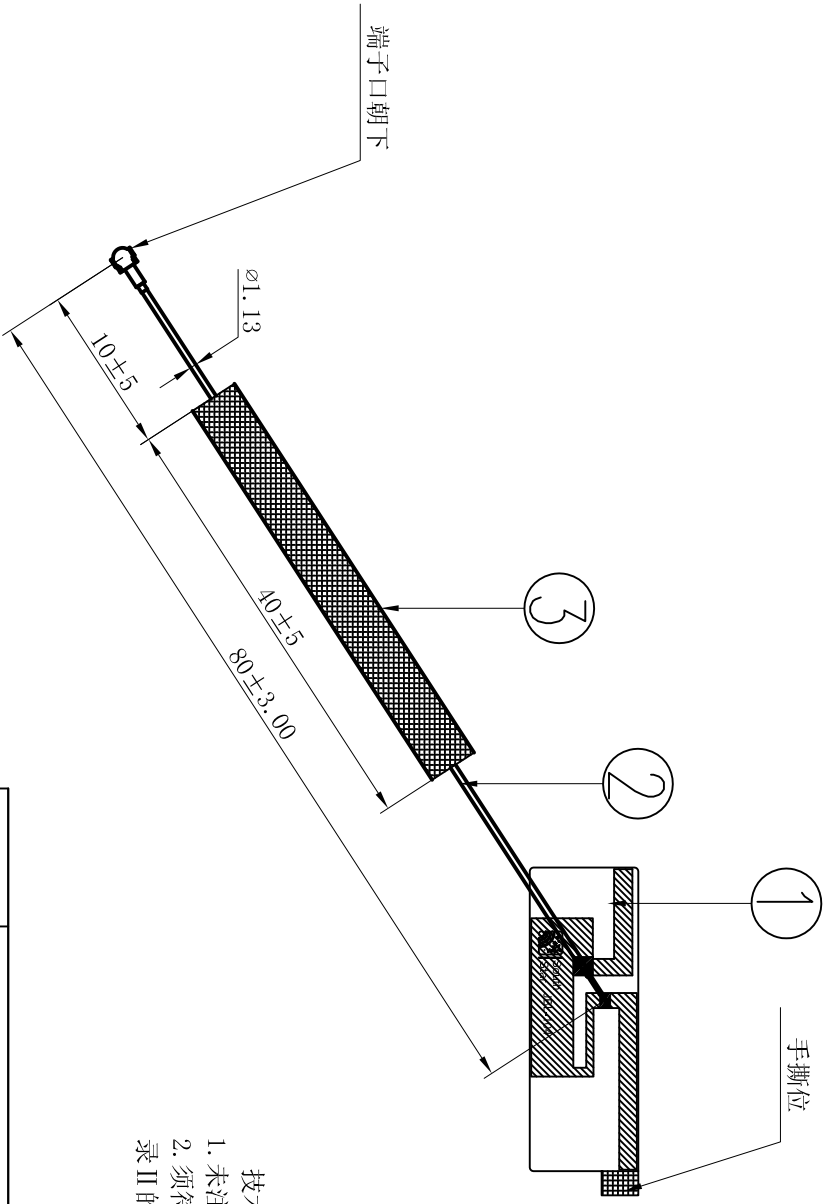
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基本参数(The basic parameters)

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ
VSWR	< 2
Avg Efficiency	>55%
Impedance	50 Ohm
Polarization	Linear
Peak Gain	2.4G:2.24dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	Φ 1.13mm black
Connector Type	一代端子
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 20 °C ~ + 80 °C

Rev	Description	Date	Remark
A	New drawing		



技术要求:
 1. 未注公差按GB/T1804-m级加工。
 2. 须符合欧盟RoHS指令2011/65/EU及附录II的修正指令(EU) 2015/863的限值要求。

No.	DWG No.	Name	Specification	Amount	Remark
1		FPC	PI/黑色	1	
2		射频线	1.13线黑色/一代端子科信成	1	
3		海绵	40*20*3	1	

South Star		深圳市南斗星科技有限公司 SHEN ZHEN SOUTH STAR TECHNOLOGY CO., LTD	
Third Angle	0~10 10~18 18~30 30~40 40~	±0.05 ±0.10 ±0.12 ±0.15 ±0.20	0.02 0.03 0.02 0.04 0.5°
Project	Part Name	Part No.	Material
JBL-104	BT天线	N14-0815-R0A	
Date	Designed by	Checked by	Approved by
2019-07-19	王瀚瑜	RF PE	
DWG No.	Unit	Scale	Rev
N14-0815-R0A	mm	1:1	A

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测试设备(Test Equipment & Conditions)

1 测试仪器

VSWR 是使用安捷伦 E5071B 连接到手机制具来测试，状态为自由空间。

2 测试环境及方式

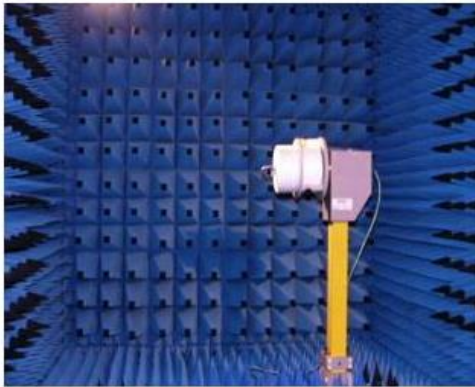
暗室规格：ETS-7 4 3

TD-SCDMA测试设备:StarPoint SP6010/Agilent 8960

LTE-TDD/FDD-SCDMA测试设备:StarPoint SP8011 /CMW500

WCDMA/GSM/CDMA测试设备： Agilent 8960

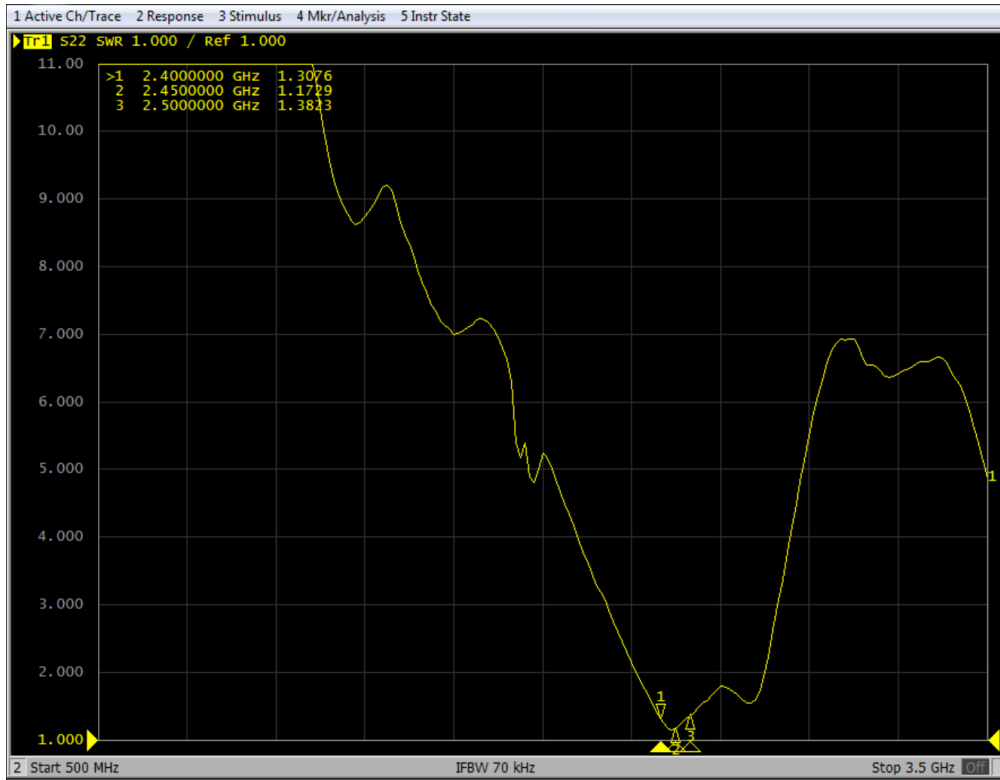
无源效率测试设备： Agilent Technologies E5071B



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Antenna Impedance: S11 (parameter)



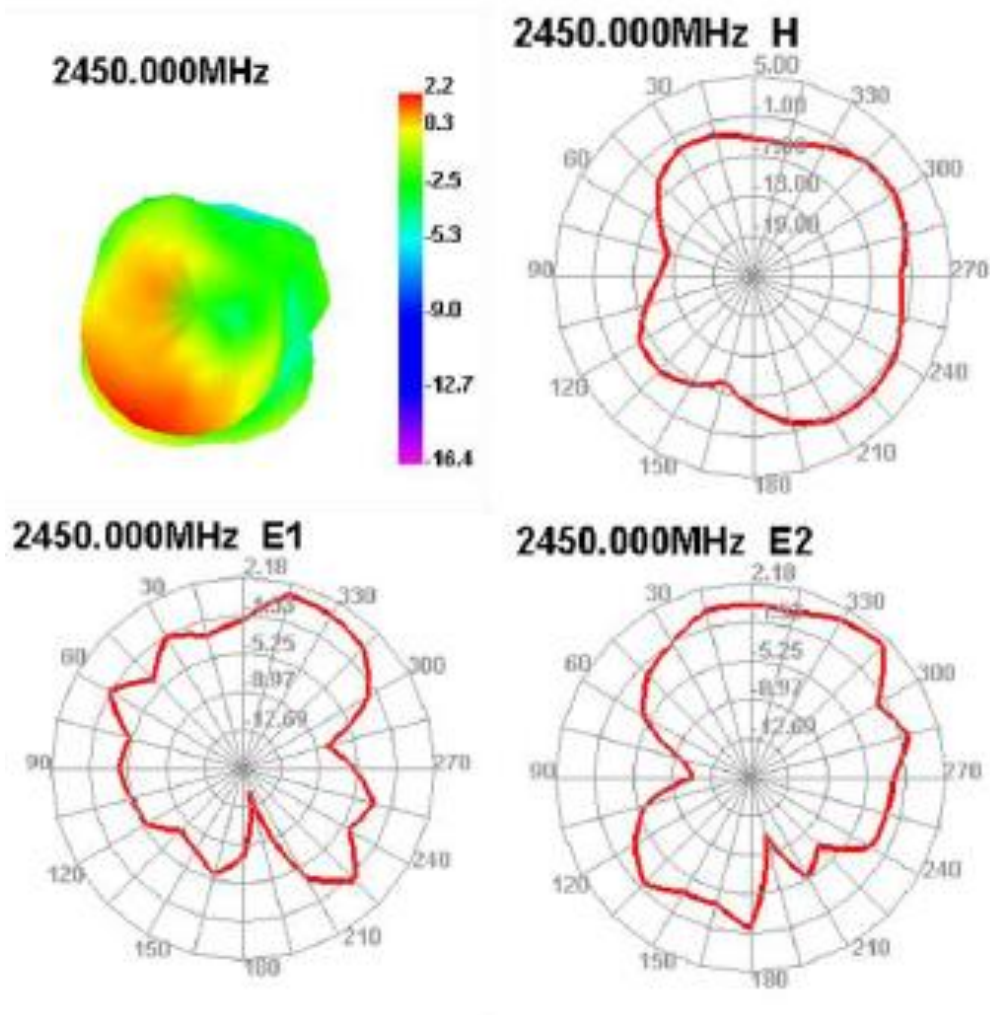
效率&增益(Efficiency & gain):

Passive Test For BT		
Freq (MHz)	Effi (%)	Peak Gain (dBi)
2400	58.14	1.95
2410	59.13	2.01
2420	59.09	2.17
2430	58.91	2.19
2440	60.55	2.08
2450	61.48	2.18
2460	62.51	2.24
2470	61.31	2.11
2480	60.23	1.97
2490	60.78	2.1
2500	59.81	1.82

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天线辐射图(Antenna radiation pattern):



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安装方式(Installation method):

