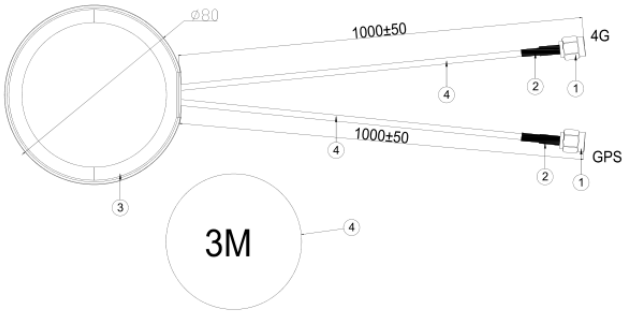
皇捷通讯科技
iphone-line.com

东莞市皇捷通讯科技有限公司

DONGGUAN HUANG JIE COMMUNICATION TECHNOLOGY CO., LTD.

圆形黑色（4G+GPS）天线 3E0601BK-003



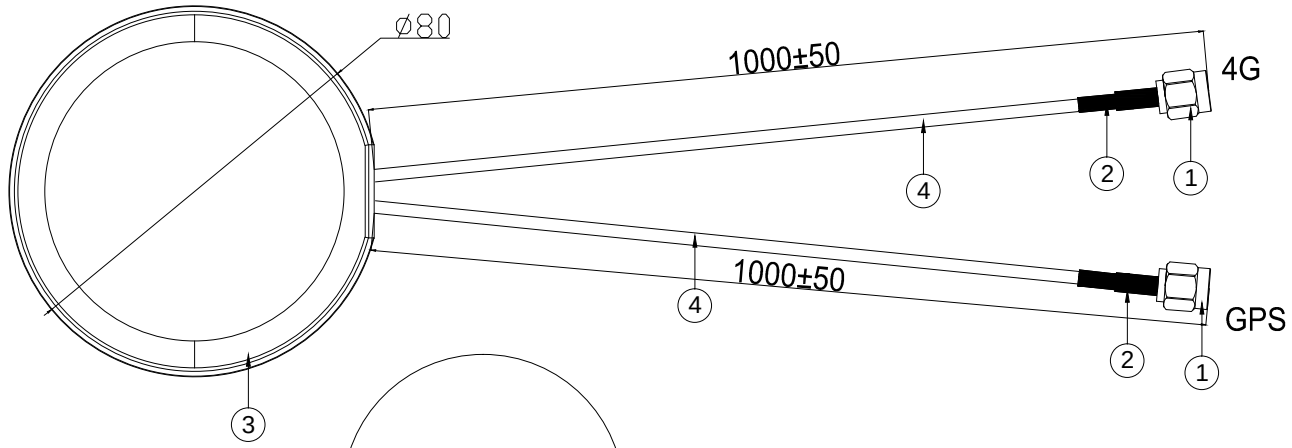
特点：

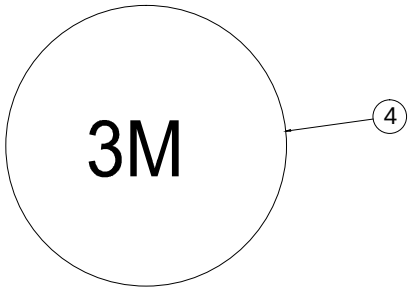
- 外观精美
- 全天候工作
- 优化的尺寸
- 中等增益、低驻波
- **应用：** GSP/4G系统

天线型号 Model NO	3E0601BK-003
电气参数 Electric Spec	
频率范围 Frequency rang-MHz	704-960MHz,1710-2700MHz，1575.42MHz
带宽 Bandwidth -MHz	详见波形图
增益 Gain -dBi	3.0 DBI
驻波比 VSWR	704-960MHz&1710-2700MHz≤3.0，1575.42≤2.0
特　阻抗 Impedance-Ω	50
接头型号 Connector model	SMA 公头公针或用户指定 SMA PLUG or others
线材规格 CABLE Spec	LMR100 线或用户指定 LMR100 Cable or others

机械参数 Mechanical Specification	
天线尺寸 Size -mm	OD：80mm
天线重量 Antenna weight-kg	/
工作温度 Working Temperature -° c	-40～60
天线颜色 Radome color	黑色 Black

REVISION	DESCRIPTION	DATE	DRAFTER
A0	首次发行	21.06.03	SQW





Frequency Rang: 1575.42±3MHz
Output Impedance: 50 Ohm Nominal
V.S.W.R: 2.0Max
Polarization: RHCP
Gain @Zenith: 3dBi
LNA Specitication:
Frequency Rang: 1575.42±3MHz
Gain @2.8V: 16dBi Typ
DC Power Input： 2.5v~6.5V Typ

Specitication:
4G Frequency Rang:
704-880;960-1710;1880-1990;2100-2700MHz
VSWR:3.0MAX
GAIN:2.0DBI
impedance values:50 Ohm
Cinnector:SMA PLUG(可由客户指定)

NO	PART NAME	DESCRIPTION	Q.TY
5	3M	Ø60	1
4	Coaxial Cable	LMR100 Black	1
3	80	TPE ,Color:Black	1
2	Hot Shrink Tube	L18mm/Ø2.5mm	1
1	SMA		1

COMPLIANCE WITH THE REQUIREMENT: ■RoHS; □ HF; □ SONY SS-00259; □ OTHERS
*NO USING ESTRICTED AND BANNED SUBSTANCE

GENERAL TOLERANCE:
LINEAR:
X ±2.00
X.X ±1.00
X.XX ±0.20
X.XXX ±0.01
ANGLE:
X° ±4.00°
X.X° ±3.00°
X.XX° ±2.00°
X.XXX° ±1.00°

HJ-Tech 东莞市皇捷通讯科技有限公司

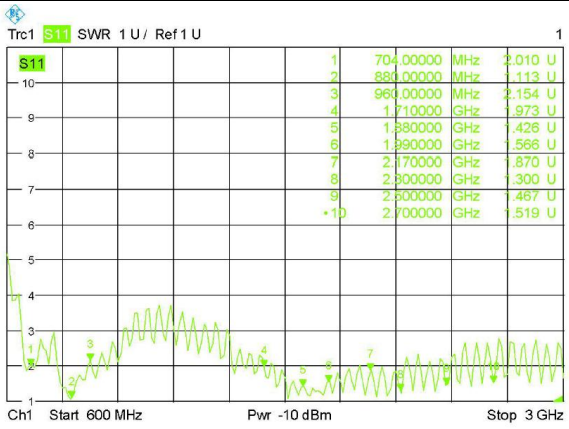
FILE NAME: 产品图
ENG/DATE: SQW/21.06.03
CHE/DATE:
APP/DATE:

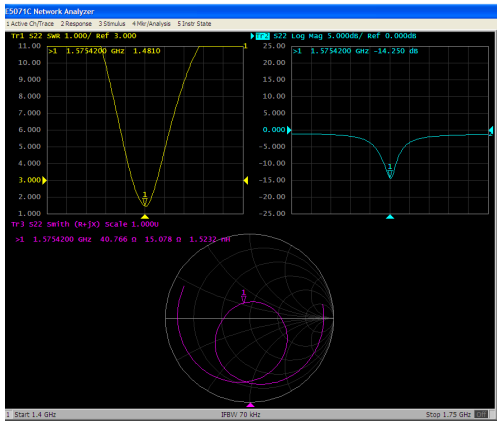
TITLE: 4g/GPS OD80.0㎜圆形黑色外壳 L=1000MM
P/N: 3E0601BK-003
UNIT: mm
SCALE: 1:1
REVISION: A0
SHEET: 1/1

天线电气特性测试报告

Antenna Electrical Characteristic Test Report

产品料号 Part Number:	3E0601BK-003	测试项目 Item	规格 Spec	结果判定 Judge
产品名称 Part Name:	圆形黑色（4G+GPS）天线	Characteristic impedance 特性阻抗	50Ω	ok
测试设备 Test Equipment	网络分析仪/微波暗室	704~960MHz& 1710-2700MHz VSWR	3.0 Max	OK
数　量 Quantity	5 pcs	1575.42MHz VSWR	2.0 Max	OK
测试日期 Test Date	2021/6/3	Gain 增　益	2.0dB	OK





Test Result	LTE1 TRP		
	18100	18300	18500
Frequency (MHz)	1930	1950	1970
BW	20M	20M	20M
TRP(dBm)	21.31	18.68	19.73

Test Result	LTE1 TIS		
	100	300	500
Frequency (MHz)	2120	2140	2160
BW	20M	20M	20M
TIS(dBm)	-88.51	-91.1	-89.35

Test Result	LTE3 TRP		
	19300	19575	19850
Frequency (MHz)	1720	1747.5	1775
BW	20M	20M	20M
TRP(dBm)	18.71	19.08	21.04

Test Result	LTE3 TIS		
	1300	1575	1850
Frequency (MHz)	1815	1842.5	1870
BW	20M	20M	20M
TIS(dBm)	-89.06	-88.5	-87.74

Test Result	LTE5 TRP		
	20450	20525	20600
Frequency (MHz)	829	836.5	844
BW	10M	10M	10M
TRP(dBm)	20.57	22.57	21.64

Test Result	LTE5 TIS		
	2450	2525	2600
Frequency (MHz)	874	881.5	889
BW	10M	10M	10M
TIS(dBm)	-87.31	-88.88	-87.03

Test Result	LTE8 TRP		
	21500	21625	21750
Frequency (MHz)	885	897.5	910
BW	10M	10M	10M
TRP(dBm)	20.68	19.47	20.04

Test Result	LTE8 TIS		
	3500	3625	3750
Frequency (MHz)	930	942.5	955
BW	10M	10M	10M
TIS(dBm)	-90.78	-91.46	-87.11

Test Result	LTE38 TRP		
	37850	38000	38150
Frequency (MHz)	2580	2595	2610
BW	20M	20M	20M
TRP(dBm)	21.28	22.62	22.04

Test Result	LTE38 TIS		
	37850	38000	38150
Frequency (MHz)	2580	2595	2610
BW	20M	20M	20M
TIS(dBm)	-93.62	-94.11	-91.82

Test Result	LTE39 TRP		
	38350	38450	38550
Frequency (MHz)	1890	1900	1910
BW	20M	20M	20M
TRP(dBm)	19.81	20.99	21.65

Test Result	LTE39 TIS		
	38350	38450	38550
Frequency (MHz)	1890	1900	1910
BW	20M	20M	20M
TIS(dBm)	-88.43	-87.91	-92.35

Test Result	LTE40 TRP		
	38750	39150	39550
Frequency (MHz)	2310	2350	2390
BW	20M	20M	20M
TRP(dBm)	19.77	19.79	20.16

Test Result	LTE40 TIS		
	38750	39150	39550
Frequency (MHz)	2310	2350	2390
BW	20M	20M	20M
TIS(dBm)	-92.22	-91.28	-92.17

Test Result	LTE41 TRP				
	39750	40240	40620	41240	41490
Frequency (MHz)	2506	2555	2593	2655	2680
BW	20M	20M	20M	20M	20M
TRP(dBm)	18.3	21.73	22.45	20.53	20.78

Test Result	LTE41 TIS				
	39750	40240	40620	41240	41490
Frequency (MHz)	2506	2555	2593	2655	2680
BW	20M	20M	20M	20M	20M
TIS(dBm)	-92.86	-93.67	-93.93	-92.98	-93.22

审核Checker: 王　俊　　测试者Tester:　Mark