

SPECIFICATION

Products Name: External GPS+GLONASS Antenna

Spec description: RG174 black cable, FAKRA SMB FEMALE(FAKRA C CODE), case+gps ceramic antennas, Cable 3000mm

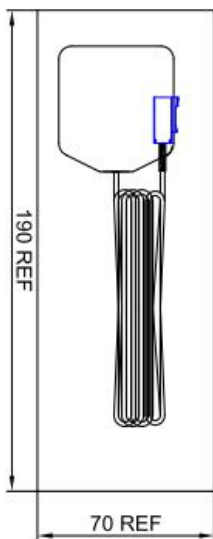
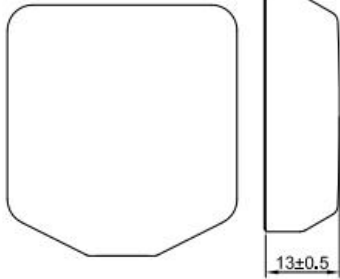
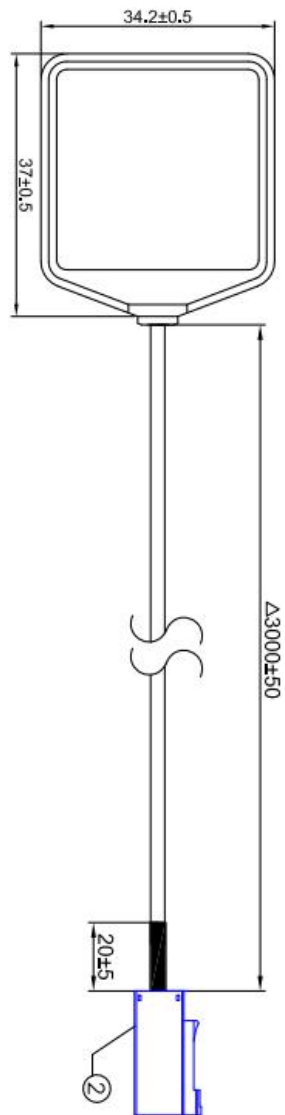
1. Picture



东莞市同讯电子科技有限公司
Dongguan KingRF Electronics Technology Co., Ltd.

ADDRESS: 东莞市塘厦镇大坪社区四家南路429号
TEL: 0769-8377779 FAX: 0769-81001836

Reversion	Engineering Change Description	Date	Owner
X/0	NEW	2019.12.26	Lixin



包装方式: 1PCS/BAG

NOTES:

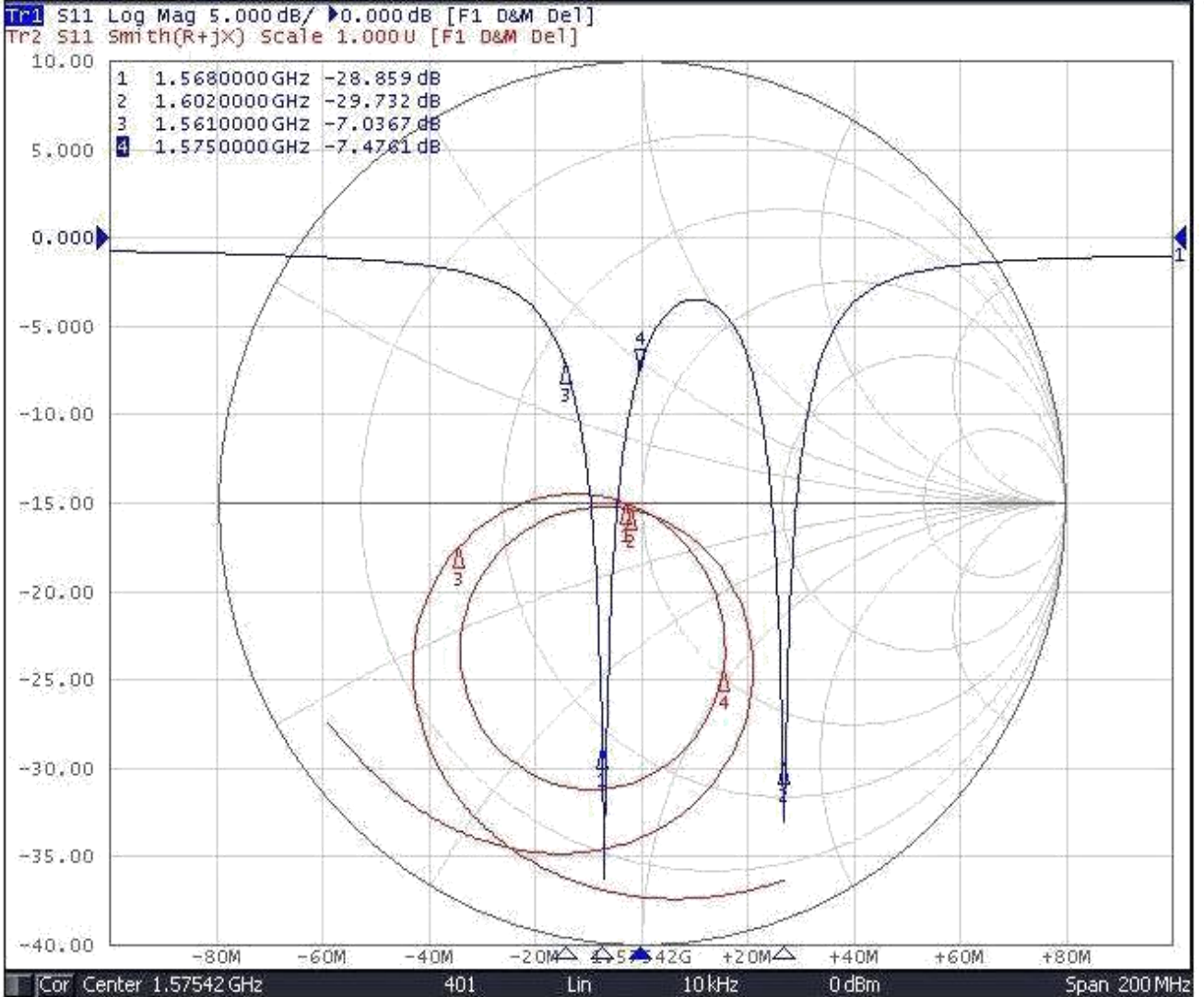
1. Electrical:
 - 1.1 Impedance: 50 OHM.
 - 1.2 Frequency: 1575.42MHz; 1602MHz
 - 1.3 VSWR: <= 2.0
 - 1.4 Gain: 2dBi
 - 1.5 Polarization: RHCP
2. Environmental:
 - 2.1 Storage Temperature Range: -40 TO +85°C
 - 2.2 Operating Temperature Range: -40 TO +85°C
3. All material must meet RoHS Request.
4. Mark (Δ) as the key control dimensions

ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD	UNIT	MATERIAL	UNIT
PARTS LIST						
Tolerance						
SPEC. CLASS	A	B	C	D	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
< 8mm	0.05	0.1	0.1	0.2	APPROVALS	
8-25mm	0.08	0.15	0.15	0.3	DRAWN	Lixin
25-80mm	0.12	0.2	0.25	0.4	CHECKED	
80-250mm	0.25	0.3	0.4	0.5	RESP ENG	
ANGLE	0.5				DUAL ENG	
UNIT	As mensn		1		SCALE: 1:1	
PART NO.: KC.GA.00031						
TITLE: GA.0050.L.G.G2F						
GPS: GDONSS+RG174+FAKRA						
DES. BY	DES. NO.	DATE	REV. TO	DATE		
DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE		

品名 项目	外置 GPS+GLONASS 天	Model	GPS+GLONASS ANTENNA
频率范围 (MHz)	1575.42MHz 1602 MHz	Frequency (GHz)	1575.42MHz 1602 MHz
带宽 (MHz)	10/4	Bandwidth (MHz)	10/4
极化方式	右旋极化	Polarization Type	RHCP
外壳尺寸	37*34.2*13mm±0.5mm	Dimension	37*34.2*13mm±0.5mm
轴比	≤3	Axial Ratio	≤3
电压	3.3~5V	Voltage	3.3~5V
电流	<12mA	Current	<12mA
天线增益 (dBi)	28±3	Gain (dBi)	28±3
噪声系数 (dB)	≤1.5	Nose figure (dB)	≤1.5
电压驻波比	≤2	VSWR	≤2
输入阻抗 (Ω)	50	Input Impedance (Ω)	50
电缆线长度 (mm)	3000mm±50mm	Cable length (mm)	3000mm±50mm
电缆线颜色	黑色	Cable Colour	BLACK
接口形式	FAKRA JACK C	Connector Type	FAKRA JACK C
工作温度 (°C)	-40~+85	Operation temperature (°C)	-40~+85
存储温度 (°C)	-40~+85	Store temperature (°C)	-40~+85
GNSS 陶瓷天 线尺寸	25*25*4	Gps ceramic antennas size	25*25*4mm

PRODUCT NAME	Prepared date	Page
DAM1582A4ZBL_AT03II_J5M_IPM	2019.01.08	1/8
Prepared by	Checked by	Approved by
Yangshengpin	Shellyfan	Nickzbao

2、Patch Test curve



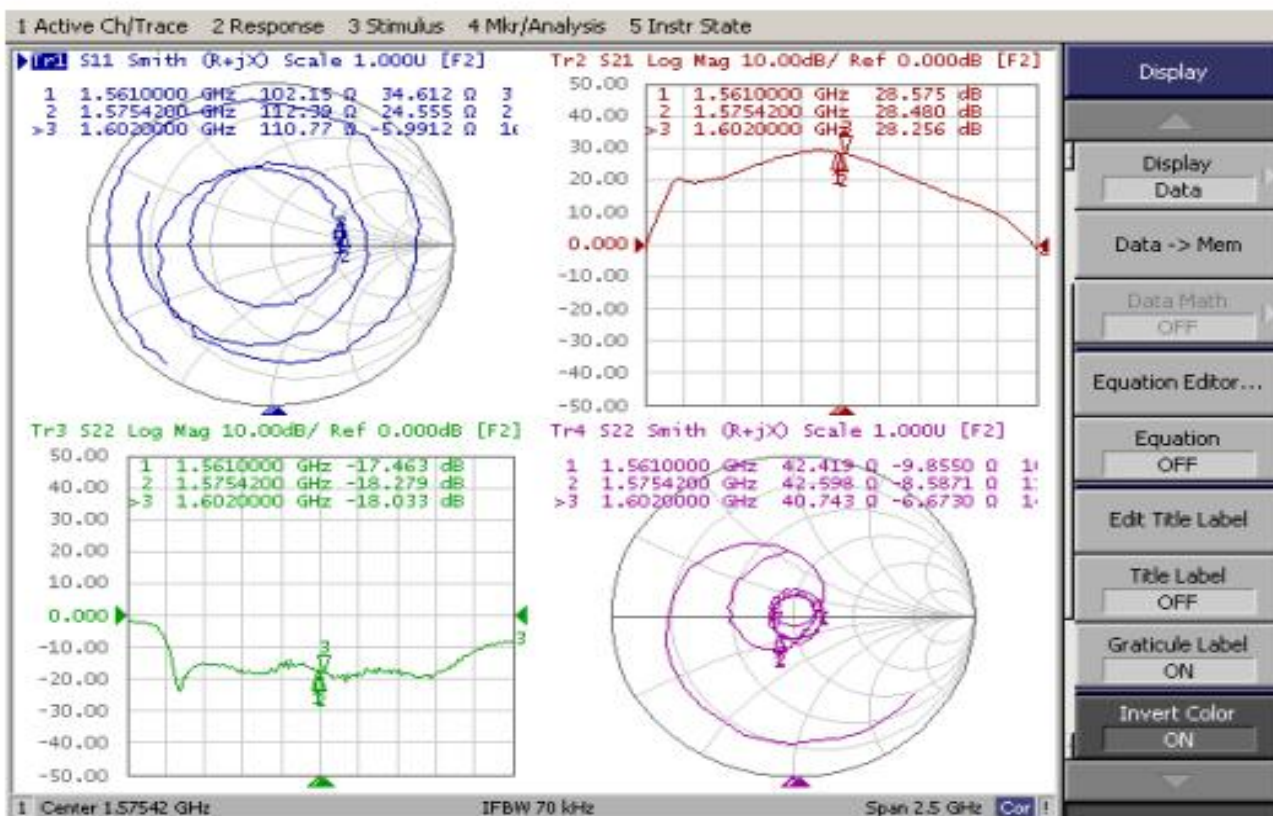
5-2 GNSS LNA

Characteristics	Specification
Frequency Range	1560MHz~1605MHz
Gain	27±3 dB
Noise Figure	2.0 dB typ
Output V.S.W.R	2.0 max
Operation Voltage	3.3~5 V
Current	10~25 mA

5-3 GPSGLONASS Overall Specifications (Through Antenna , LNA and cable)

Characteristics	Specification
Frequency Range	1560MHz~1605MHz
Zenith Gain	>27 dBic
Output Impedance	50 ohm
Output VSWR	2.0 typ
Operation Voltage	3.3~5 V
Current	10~25 mA

5-4 LNA TEST CHART:



OPEN SKY TEST:



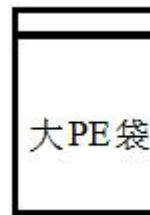
Item: KC.

Name: GPS GLONASS ANTENNA

一、 Requirement:

Customer	Xx		
Supplier	Shenzhen kingrf technology co.,ltd		
PO .No.	Xx		
	Xx		
Quantity/pcs	XXX PCS	date	X 年 X 月 X 日
remark			

二、 packing list:



1. inner packing:

XX pcs/bag, XX pcs/ PE bag;

2. outer packing:

Xx PCS /carton ;

3. notice:

- a. Whether to add partitions and pearl cotton;
- b. Attach the label, such as ROHS, etc .;

