



長 宏 科 技 有 限 公 司  
Chang Hong Information Co., Ltd.

GPS(1575MHz)/GLONASS(1596-1620MHz) Active 29dB 80mm CIRCLE ROOF  
SCREW+RG174(5M)+SMA PLUG

ROHS



### Ceramic Path Specification:

1. Operating Frequency Bend 1	1575.42±1.023 MHz
Output Impedance	50 ohms
Polarization	L.P.
Bandwidth	10 MHz min. @VSWR < 2
Gain at Zenith	2.0 dBi Typ.
2. Operating Frequency Bend 2	1596-1620 MHz
Output Impedance	50 ohms
Polarization	L.P.
Bandwidth	24 MHz min @ VSWR < 2
Gain at Zenith	2.0 dBi Typ.

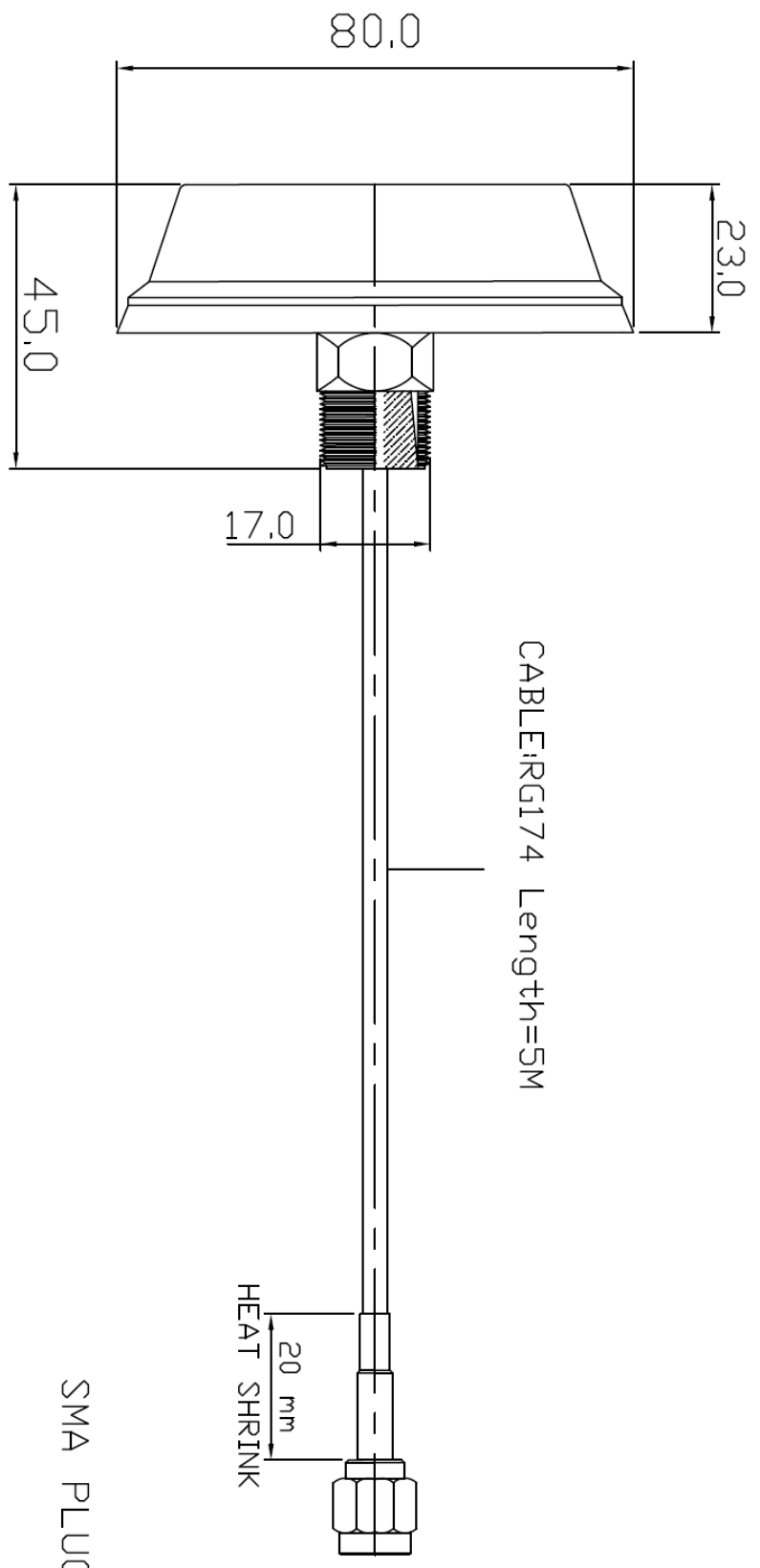
### LNA/Filter Specification:

Operating Frequency	1570 MHz - 1615 MHz
Gain	29 dB typ.
Noise Figure	1.5 dB typ.
Filter	SAW Filter
	Att 35 dB min @ $f < 1.5$ GHz
	Att 40 dB min @ $f > 1.63$ GHz
Output VSWR	2.0 Max
Voltage	2.3~5.5V
Current	Voltage $< 3V$ : $< 12$ mA typ.
	$3V < \text{Voltage} < 5V$ : 23 mA typ.

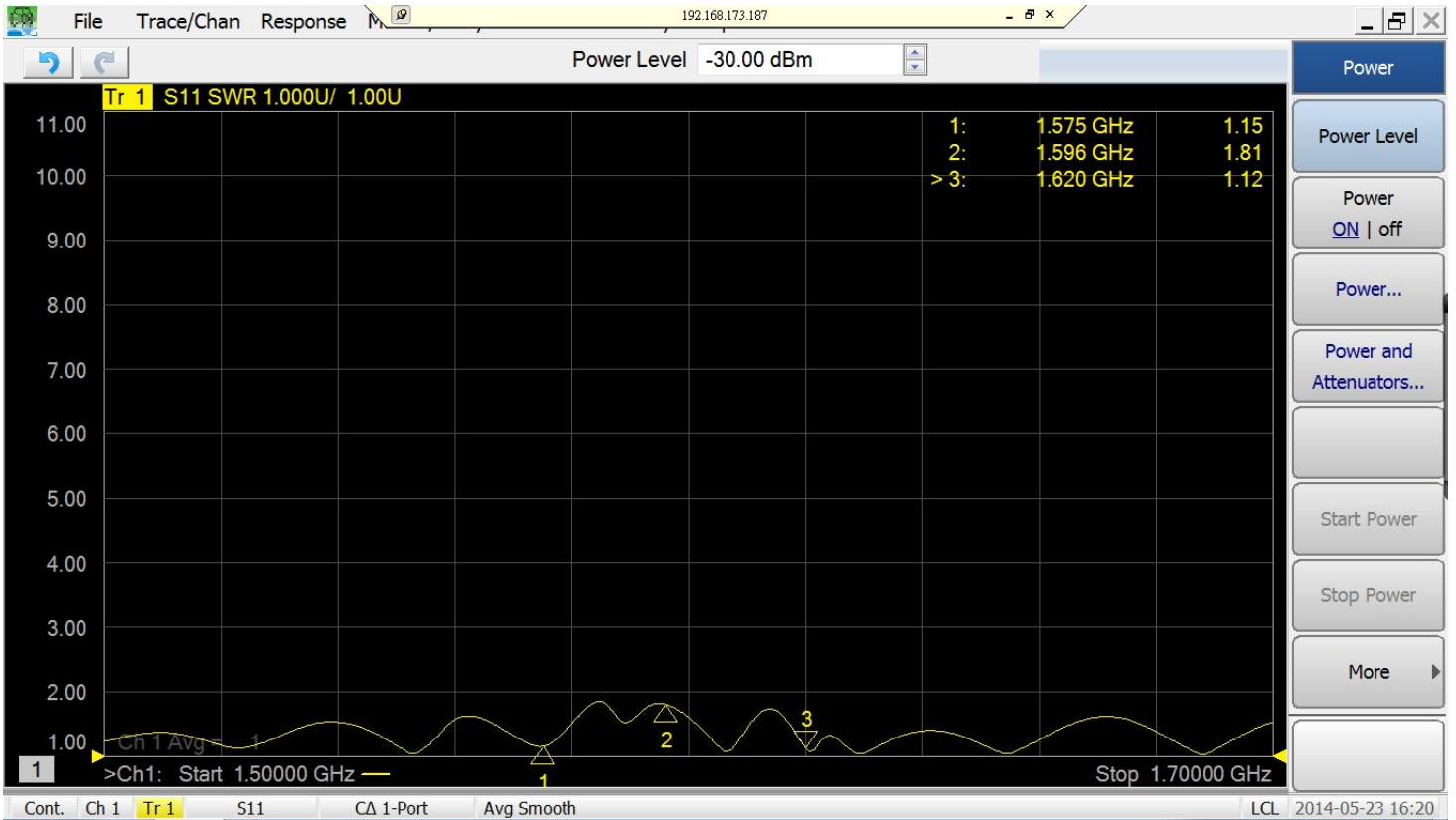
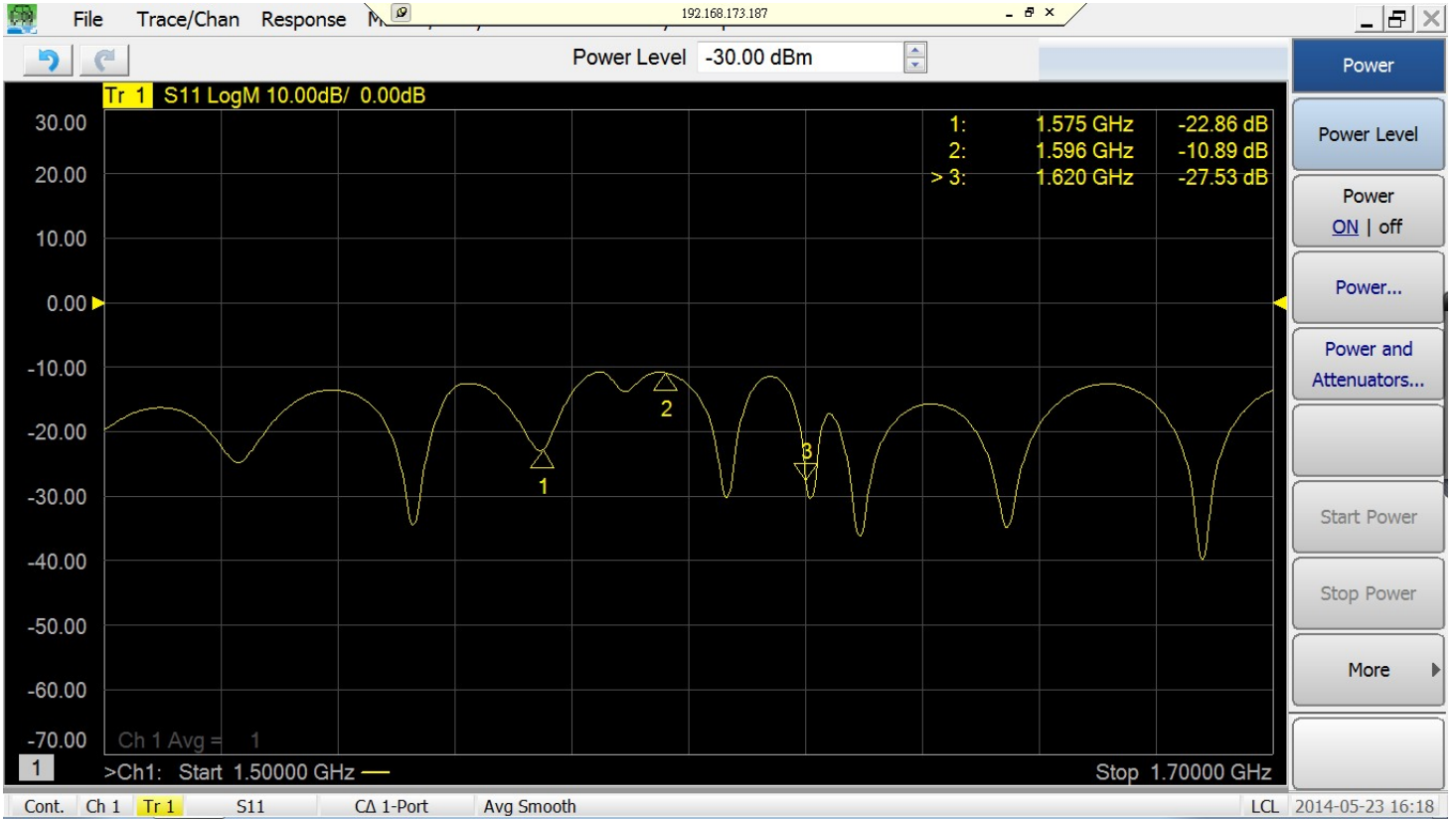
### General specification:

Dimensions	L45xW80xH45 mm
Mount	Roof Screw
Antenna Color	Black
Coaxial Cable	RG174 Length=5M
Cable Connector	SMA MALE
Operating Temperature	-30°C to +85°C
Storage Temperature	-40°C to +90°C

GGs-02-174-5M-0102 GPS(1575MHz)/GLONASS(1596-1620MHz) Active 29dB 80mm CIRCLE ROOF SCREW+RG174(5M)+SMA PLUG

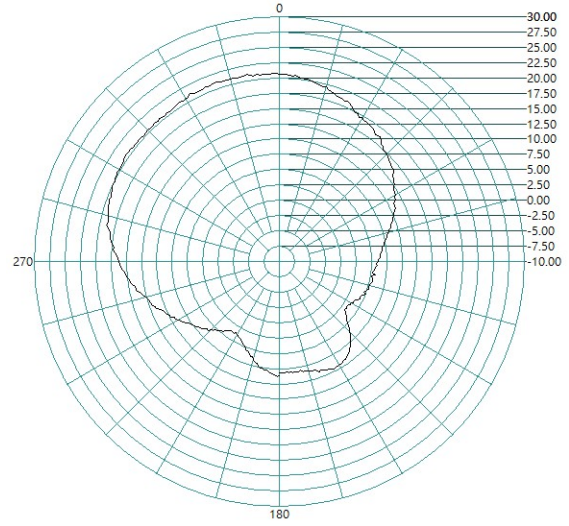
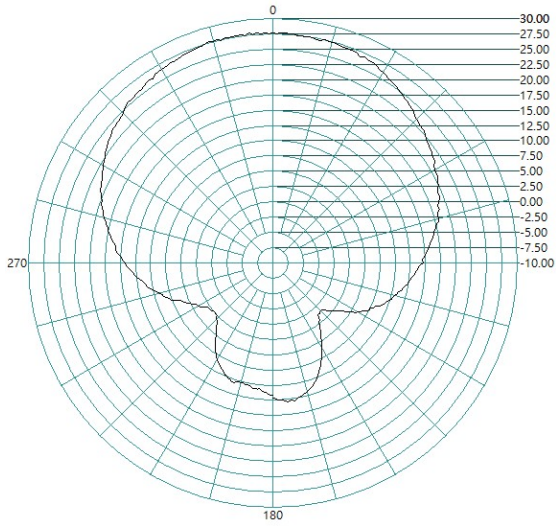


1	FREQUENCY : 1575 / 1596-1620 MHz	6	IMPEDANCE : 50 Ω
2	GAIN : GPS/GLONASS ACTIVE 29dB	7	
3	V.S.W.R : <2.0	8	
4	CABLE LENGTH : RG174 L=5M	9	
5	CONNECTOR : SMA PLUG	10	

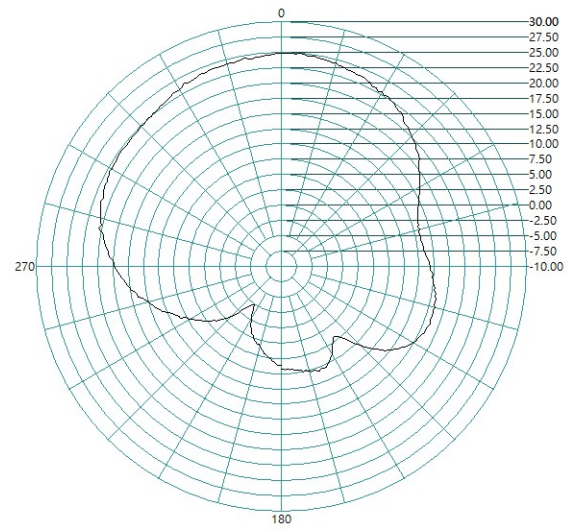
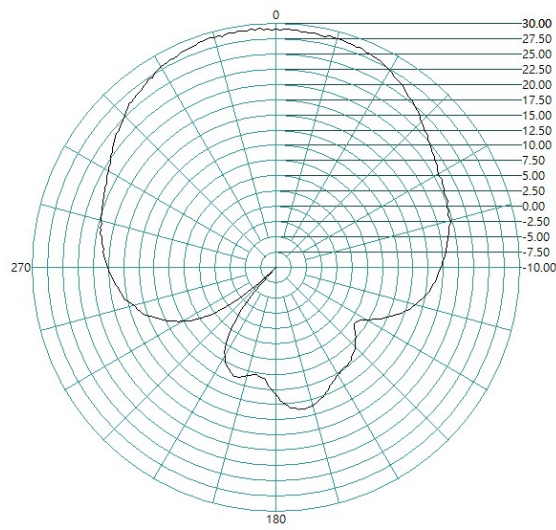


Radiation pattern :

E-plane V	E-plane H
1575MHz	



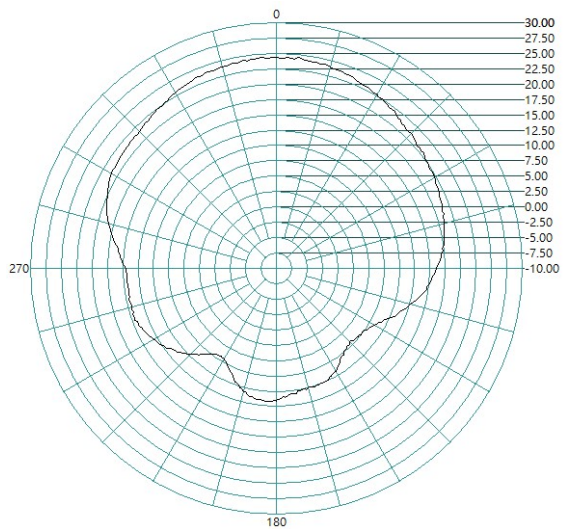
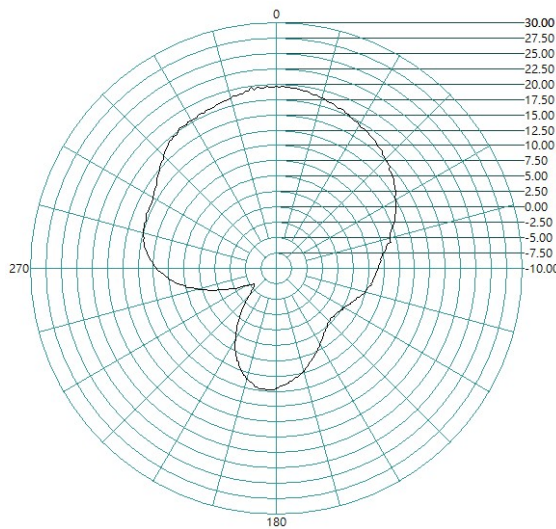
**1620MHz**



**H-plane V**

**H-plane H**

**1575MHz**



**1620MHz**

