

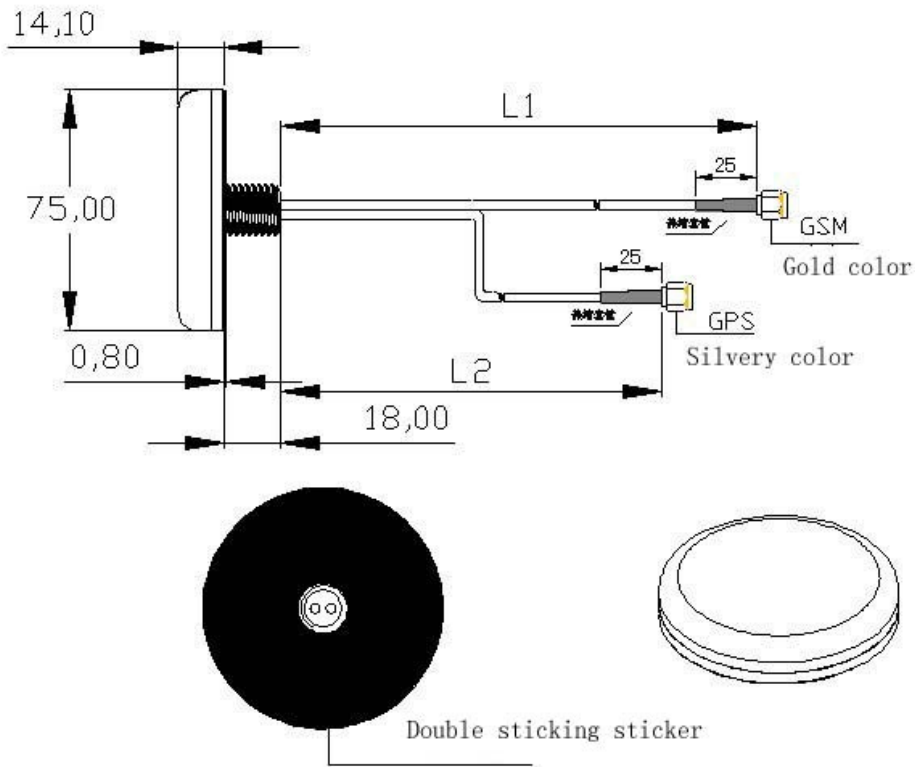
# GPS/GLONASS/3G External Antenna Specification

## 一. Electrical Characteristics

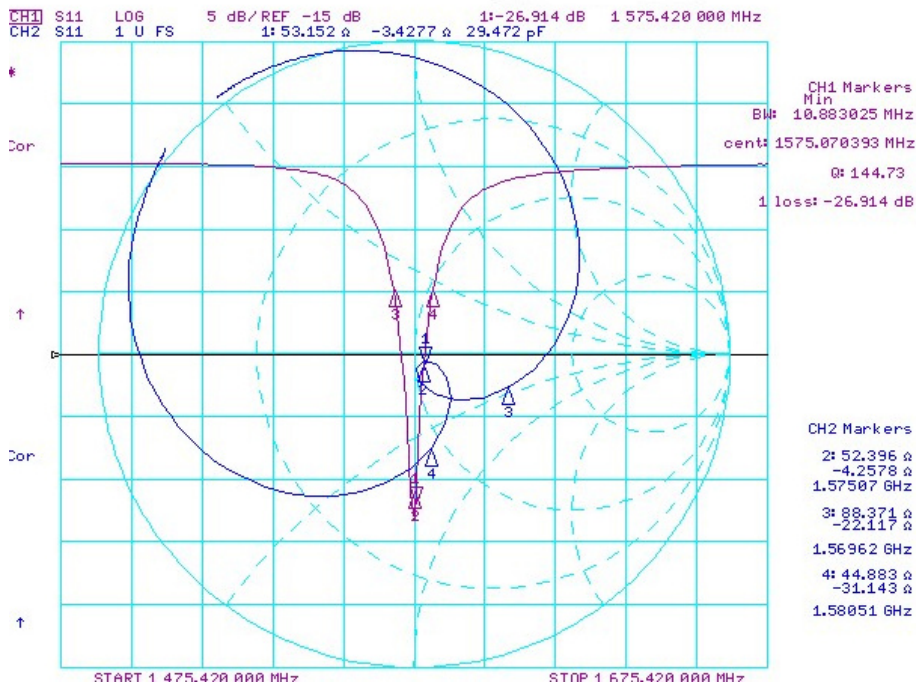
GPS/GLONASS Part	
<b>Antenna</b>	
<b>Antenna model</b>	25*25*4
<b>Frequency Range</b>	1575.42MHz±1.02 MHz 1610MHZ±10MHZ
<b>V.S.W.R</b>	1.5:1
<b>Band Width</b>	≥ 10 MHz for GPS ≥ 20MHZ for GLONASS
<b>Impedence</b>	50 ohm
<b>Gain</b>	5dBic Based on 7×7cm ground plane
<b>Polarization</b>	RHCP
<b>LNA</b>	
<b>Frequency Range</b>	1595MHz±25 MHz
<b>DC Voltage</b>	3.0V-5.0V
<b>Gain (Typical)</b>	27dB
<b>Output VSWR (Typical)</b>	2.0
<b>Noise Figure (MAX)</b>	1.5

<b>DC current (Typical)</b>	13.5mA
<b>3G part</b>	
<b>Working Frequency</b>	806MHz-960MHz/1710MHZ-2170MHz
<b>V.S.W.R</b>	2:1
<b>Impedence</b>	50 ohm
<b>Peak Gain</b>	-1dbi@900 1dbi@1800
<b>Azimuth</b>	Omni-directional
<b>Polarization</b>	Linear Polarization
<b>Material</b>	
<b>Antenna</b>	Dielectric Ceramics
<b>PCB</b>	FR4
<b>Shielding</b>	Tinplate
<b>Cable length</b>	Custom
<b>RF Connector</b>	Custom
<b>Antenna mounting</b>	Screw mounting
<b>Testing Conditions</b>	
<b>Working Temp</b>	-25°C~+65°C
<b>Storage Temp</b>	-45°C~+85°C
<b>Vibration</b>	Sine sweep 1g(0-p)
	10~55~10Hz each axis

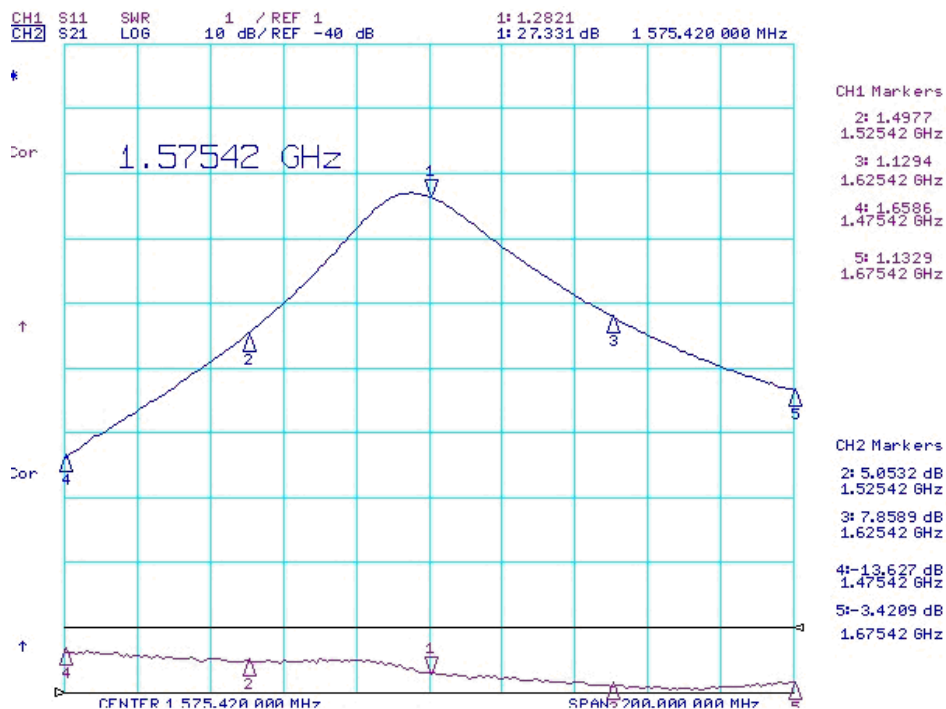
## 二. Size drawing



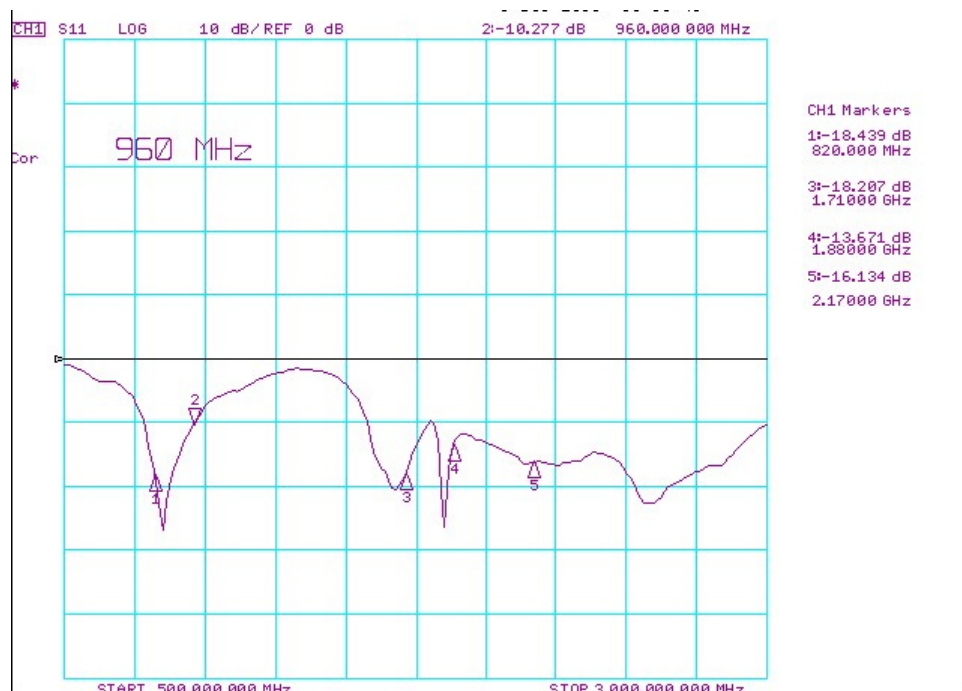
## 三. Patch Test Curve



### 四. LNA Test Curve



### 五. GSM Characteristic Curve



## 六. Notes

1. This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

2. The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.

3. Electrostatic sensitive device.Observe precautions for handling.

