

1. Product Outline



2. The Features:

- * High stability, high consistency
- * Compact size
- * Comply with RoHS

3. Product Application:

Car navigation, logistics positioning and so on.

4. Product description:

The GLONASS Antenna Series is designed for GLONASS receiving antenna applications. The GPS receiving antenna has good stability and sensitivity through the use of high performance proprietary ceramic materials and process and housing.

5. Working environment:

Temperature: -40 ° C --- +85 ° C

Humidity: 10 to 95%RH



6 .Mechanical Characteristics:

| | | |
|------------------|----------------|-----------------------|
| Dimensions: | 46×38.5×13.5mm | |
| Radome material: | ABS | |
| Weight: | 60±5g | |
| Connector: | SMA male | Attenuation 1 dB |
| Color: | Black | |
| Cable: | RG-174 | Attenuation 129 dB/Km |
| Length: | 1200±30mm | |

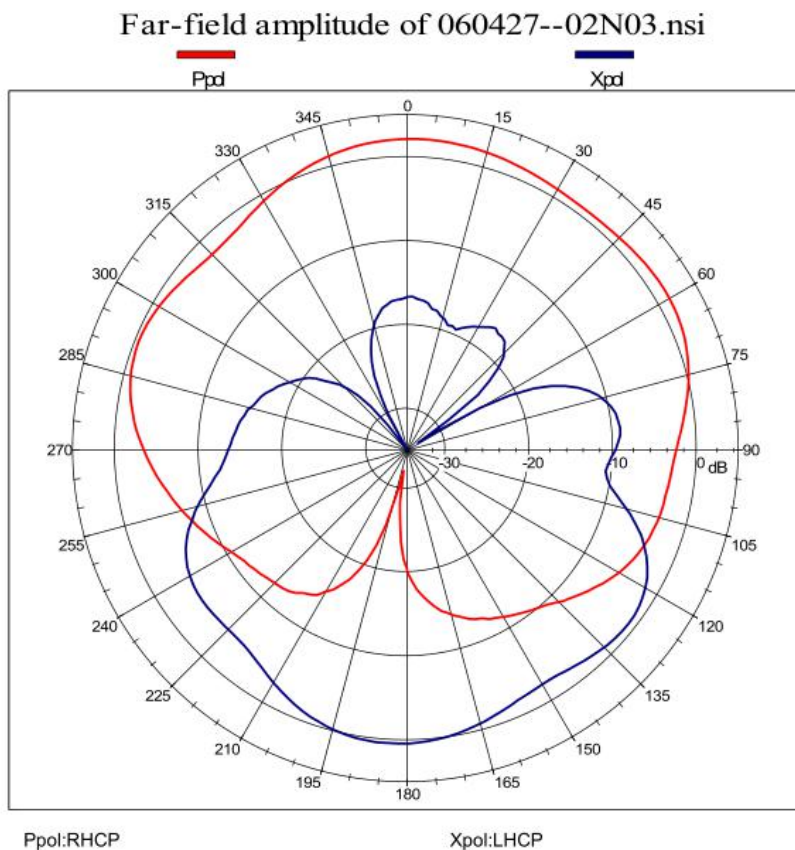
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7.Electrical performance test :(temperature 25±15℃, humidity 65± 025Rh, air pressure 960±100HP)

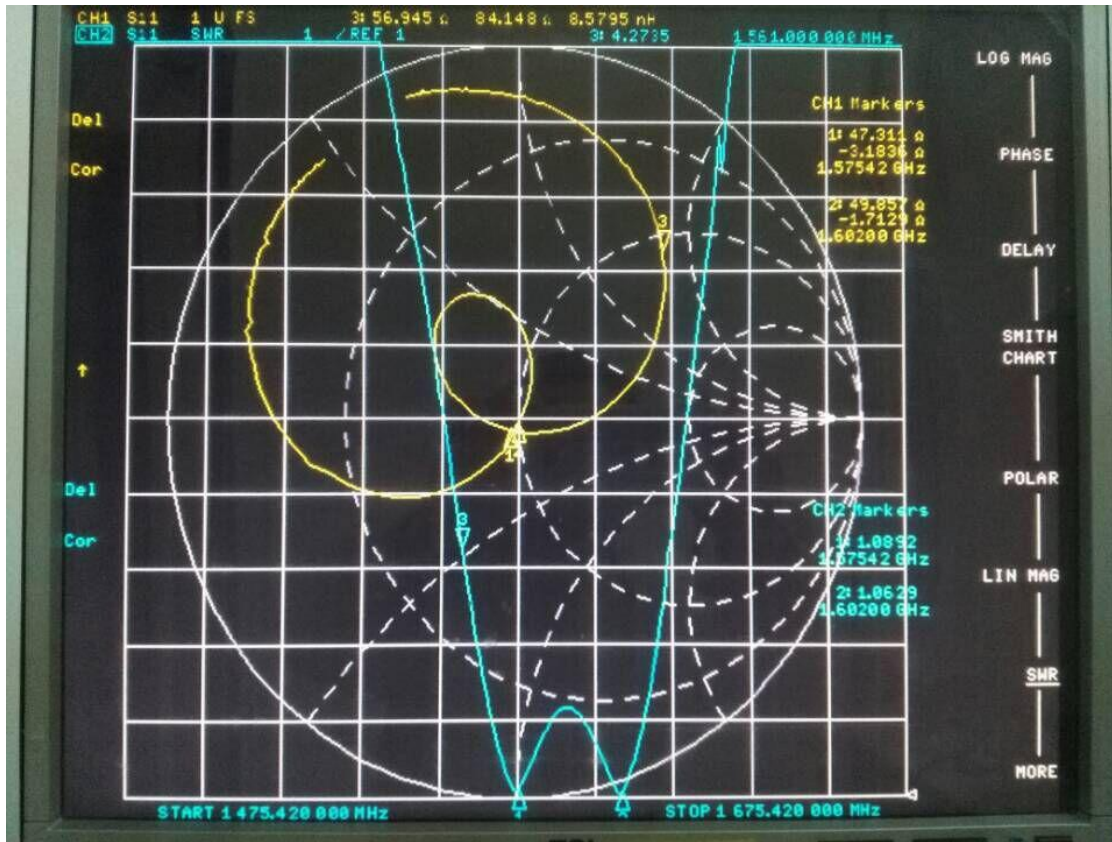
7.1 Passive dielectric antenna

| Item | Index |
|---|------------------------------------|
| Center Frequency: | 1610±1.023MHz |
| Bandwidth: | 10MHZ min (10dB return loss) |
| Peak gain: | -2dBic tye (ground plane30*30MM) |
| Gain elevation angle of 10 ⁰ : | -5dBic type (ground plane 30*30MM) |
| Polarization: | R.H.C.H |
| Axial ratio: | 3.0dB typ(ground plane29*29MM) |

7.2 Directional diagram

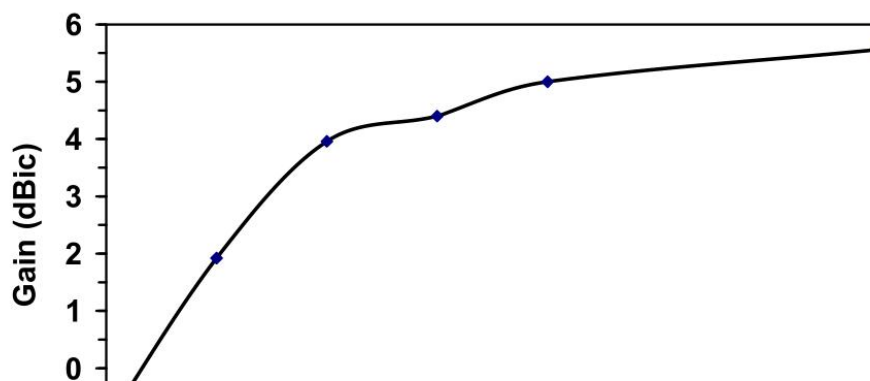


7.3 Return Loss & VSWR



7.4 Gain

Antenna Gain vs. Ground Plane Size





8. Testing Equipment:



频谱分析仪



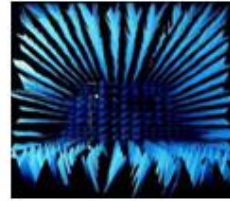
GPS模拟信号源



网络分析仪



噪音测试仪



电波暗箱

9. Outline Drawing

