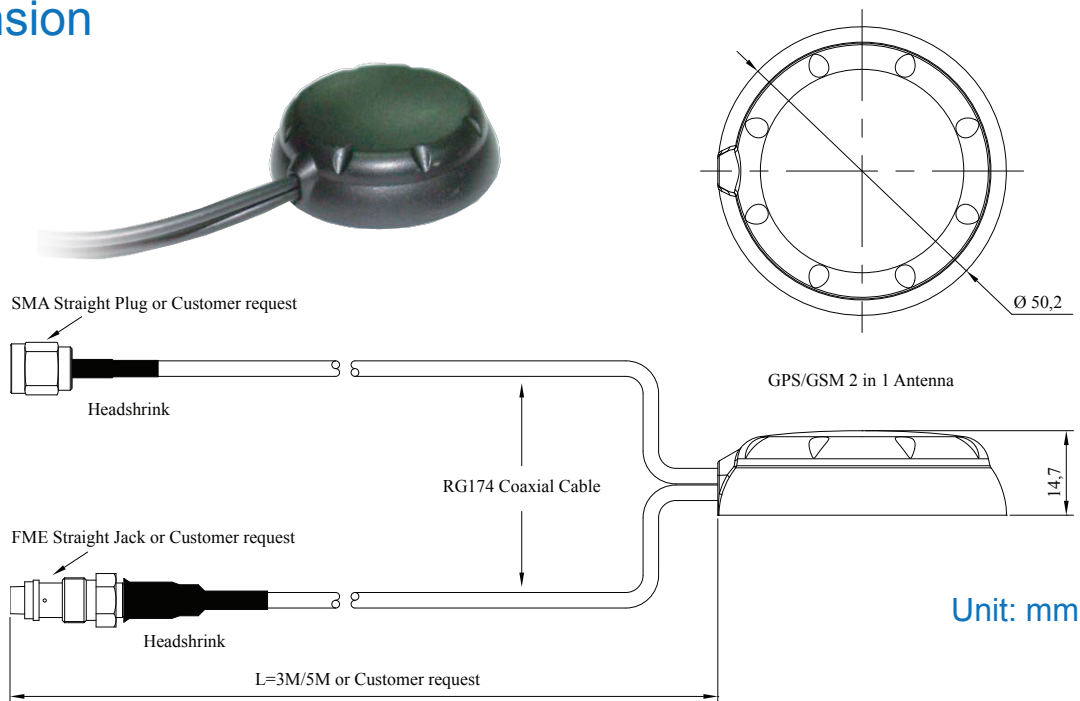


AP002 GPS / GSM 2in1 Antenna

Glass Mount type Car Antenna

Dimension



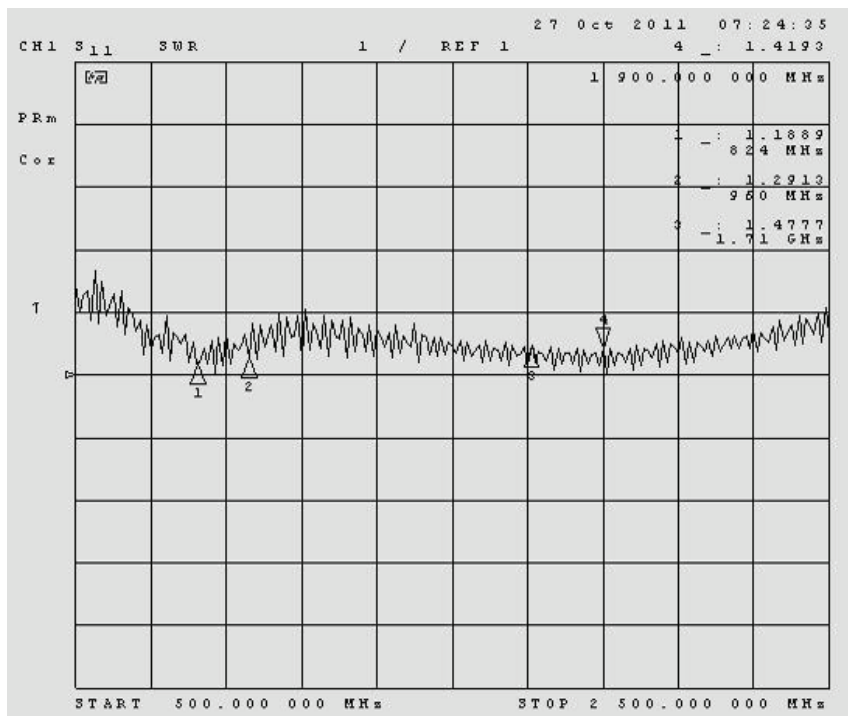
GSM Specification

| Description | Specification |
|-------------------------|-----------------------------|
| Frequency Range | 900/1800MHz |
| Polarization | Vertical |
| Gain | 0 dBi |
| V.S.W.R | < 2.0 |
| Impedance | 50 ohm |
| Power handling capacity | 10W max |
| Cable Type | RG174 |
| Cable Length | 3M / 5M or customer request |
| Connector | SMA, FME...etc |

GPS Specification

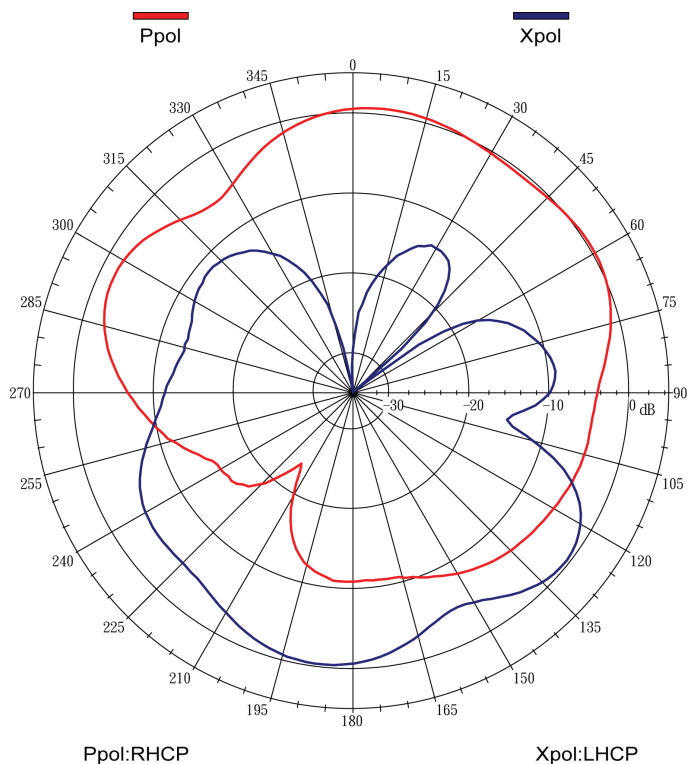
| Mechanical | |
|------------------------------|-----------------------------|
| Cable Type | RG174 |
| Cable Length | 3M / 5M or customer request |
| Connector Type | SMA, SMB, MCX, MMCX...etc |
| Color | Black |
| Electrical | |
| Center Frequency | 1575.42±1.023 MHz |
| Bandwidth (10dB return loss) | 10 MHz |
| Gain at Zenith | 5.0 dBic typ. |
| Gain at 10° elevation | -1.0 dBic min. |
| Polarization | R.H.C.P |
| Impedance | 50 ohm |
| Axial Ratio | 1.0 dB typ. |
| LNA Performance | |
| Center Frequency | 1575.42±1.023 MHz |
| Gain | 27 dB typ. |
| Noise Figure | 1.5 dB typ. |
| Filter Out Band Attenuation | Dielectric |
| Output VSWR | 2.0 max |
| Voltage | 5.0V 3.3V |
| Current | 22mA max 15mA max |

VSWR

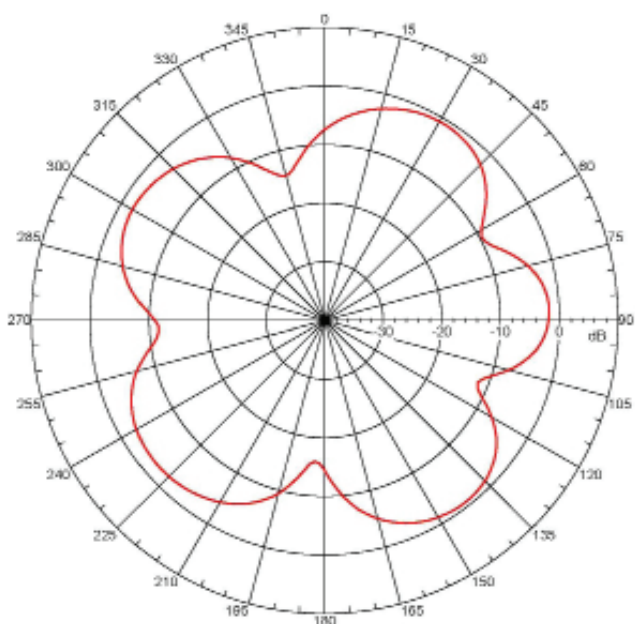


Test Results

GPS Radiation Pattern(without LNA)



GSM Far-field amplitude at 900 MHz



GSM Far-field amplitude at 1800 MHz

