



Alpha 6

Combined 2G/3G & GPS Puck Antenna



Key Features

- Combined GPS and GSM/GPRS
- Adhesive pad mount
- Groundplane independent

General Description

Combined quad band GSM/GPS adhesive pad mount antenna for use with tracking and location based applications.

It is a well specified design, which mounts on glass in vehicles and provides good performance.

Supplied as standard with either a 2m or 4m cable. The GPS cable has an SMA Male connector and the GSM cable has an FME female connector.

Alternative cable lengths or connector types can be specified for volume orders.

Additional Considerations

- Dual antenna package saves cost on purchasing separate antennas
- Fast fit with the adhesive pad mount

2G
GSM

3G
UMTS

GPS
Position

IP
66



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GPS Antenna - Dielectric Antenna

| | |
|-------------------|----------------|
| VSWR: | <1.5 |
| Impedance: | 50 Ohm |
| Axial Ratio: | 3dB |
| Gain: | 5dBic |
| Polarization: | RHCP |
| Center Frequency: | 1575.42 + 1MHz |

GPS Antenna - LNA

| | |
|----------------------|-------------|
| Gain: | 28 + 2dBi |
| Noise Figure: | <1.5 |
| VSWR: | <2.0 |
| Supply Voltage: | 2.5 - 5V DC |
| Current Consumption: | 5 - 15mA |

2G/3G Antenna

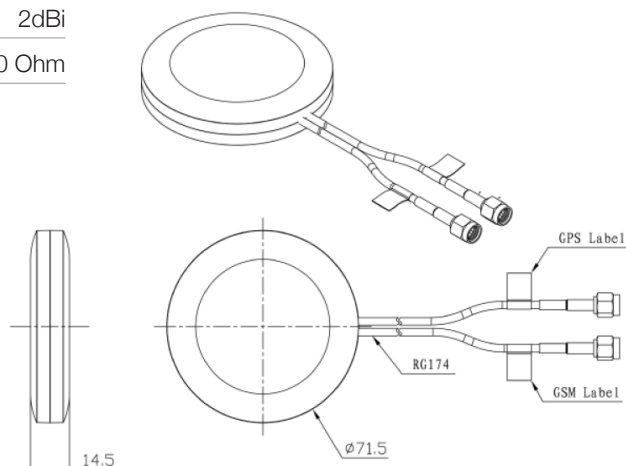
| | |
|------------------|-----------------------------|
| Frequency Range: | 824 - 960MHz / 1710-2170MHz |
| VSWR: | <2.5 |
| Polarization: | Linear |
| Gain: | 2dBi |
| Impedance: | 50 Ohm |

Mechanical Specifications

| | |
|------------------|---|
| Connector: | L71.5 x H14.5mm Ø |
| Connector: | SMA Male GPS FME Female/SMA Male GSM |
| Cable: | RG174 |
| Radome Material: | ABS |
| Mounting Method: | Adhesive |

Environmental Specifications

| | |
|------------------------|-------------|
| Operating Temperature: | -40 - +85°C |
| Relative Humidity: | Up to 95% |
| Mounting Method: | Adhesive |

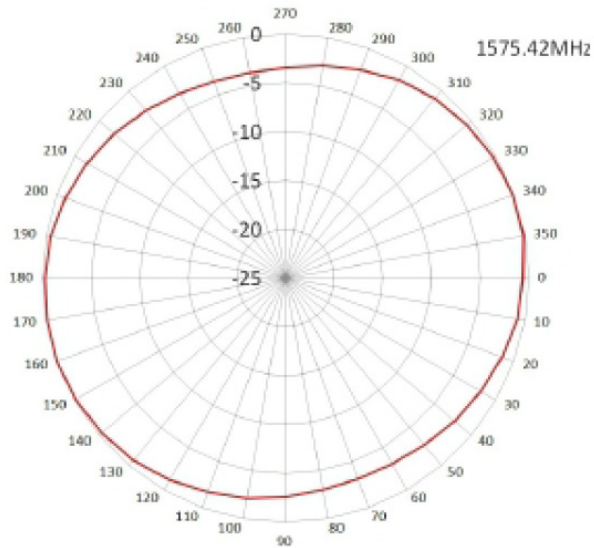




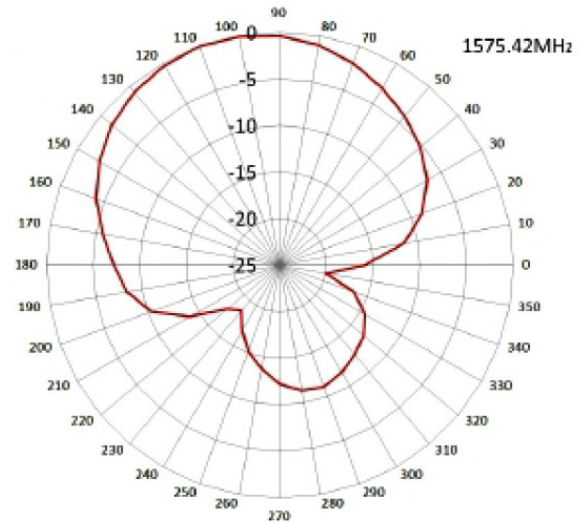
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GPS Radiation plot XY Plane



GPS Radiation plot XZ Plane



GPS Radiation plot YZ Plane

