

Mike 3A

GPS, IP67 Magnetic Mount Antenna



Key Features

- 28dB LNA gain
- IP67 protection
- Dual mount
- Ground plane independent

General Description

The Mike 3A is a compact dual mount GPS antenna, tuned to 1575.42MHz. Its small footprint allows this antenna to fit onto most surfaces comfortably, and with a modest height, it provides an unobtrusive profile. Dual mounting: with its magnetic base and separate adhesive pad, the Mike 3A can be mounted onto a diverse range of surfaces.

The Mike 3A's IP67 rating makes this an ideal outdoor GPS antenna that can be used for a host of different GPS applications including: vehicle/fleet/asset tracking and mobile applications.

The built in Low Noise Amplifier (LNA) provides a 28dB gain that makes this a high performance antenna, necessary for a strong signal reception from visible satellites, as well as influencing a shorter time to fix to the satellites.

Additional Considerations

- Improves signal to noise ratio for mobile applications
- Extended mounting - choose from magnetic or adhesive pad
- Meets all EU compliance criteria for electronic goods

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Dielectric Antenna

VSWR:	1.5:1
Impedance:	50 Ohm
Peak Gain:	>3dBic (Based on 7 x 7cm Ground plane)
Gain Coverage:	>4dBic at 90°
Polarization:	RHCP

Mechanical Specifications

Dimensions:	L48.5 x W36.5 x H16.5mm
Cable:	RG174
Connector:	SMA Male
Mounting Method:	Magnetic

GPS Antenna

LNA Gain:	28dB Typical
Noise Figure:	1.5dB
Connector:	SMA Male
VSWR:	<2.0
DC Voltage:	3.0V - 5.0V
DC Current:	10mA Max

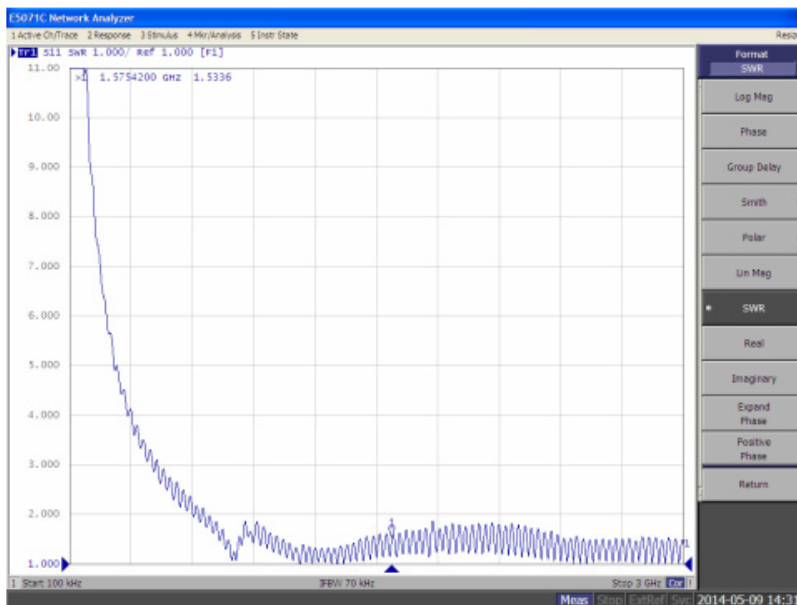
Environmental Specifications

Operating Temperature:	-40 - +85°C
Storage Temperature:	-45 - +100°C
Humidity:	95% - 100% RH
Mounting method:	Magnetic
Weatherproof:	100%

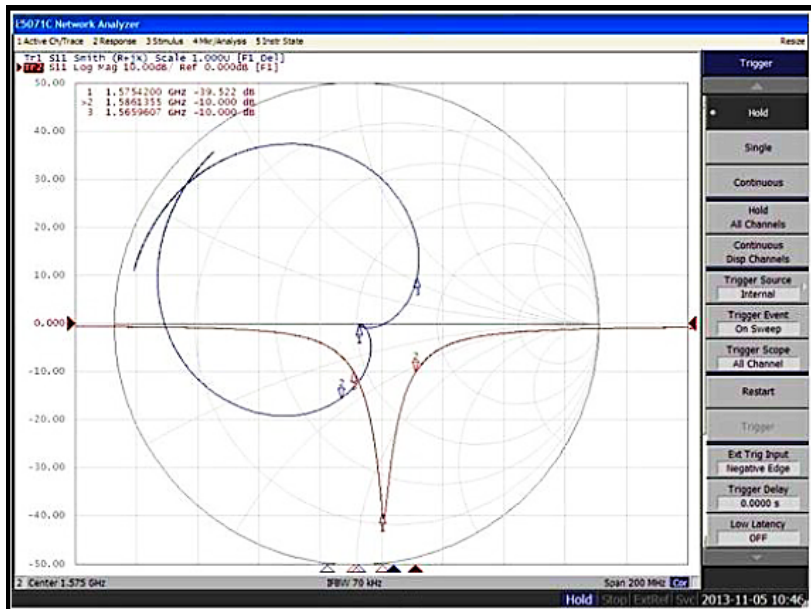
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VSWR



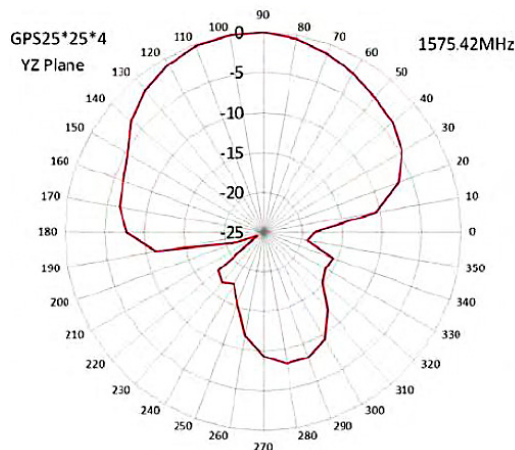
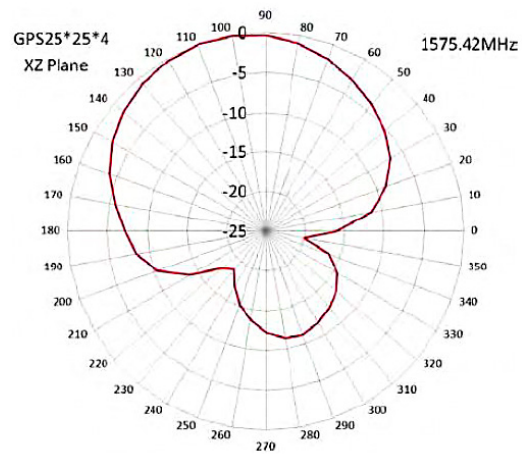
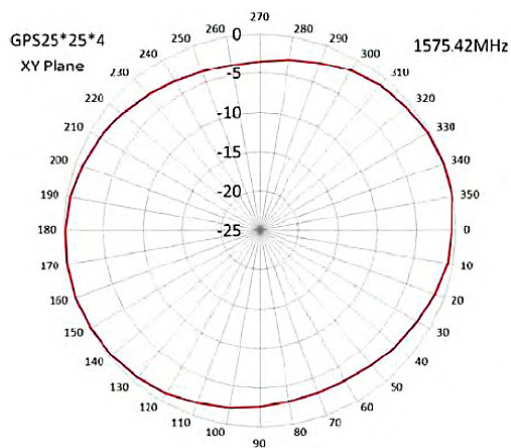
Return Loss



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Radiation Patterns



Ordering Details

Part Number	Description
MIKE3A/3M/SMAM/S/S/17	GPS, IP67 Magnetic Mount Antenna