



## MIKE 3A

GPS IP67 Magnetic Mount Antenna



### Key Features

- 28dB LNA gain
- Weather Resistant
- Dual mount
- Ground plane independent

### General Description

The MIKE 3A is a compact dual mount GPS antenna, tuned to 1575.42MHz Band L1.

Dual mounting: with its magnetic base and separate adhesive pad, the Mike 3A can be mounted onto a diverse range of surfaces.

The weather resistant design makes it 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 producing stronger signals which reduce satellite fix times.

### Additional Considerations

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





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### Dielectric Antenna

VSWR:	1.5:1
Impedance:	50 Ohms
Centre Frequency:	1575.42 MHz
Peak Gain:	>3dBic (Based on 7 x 7cm Ground plane)
Gain Coverage:	>4dBic at 90°
Polarization:	RHCP

### GPS Antenna

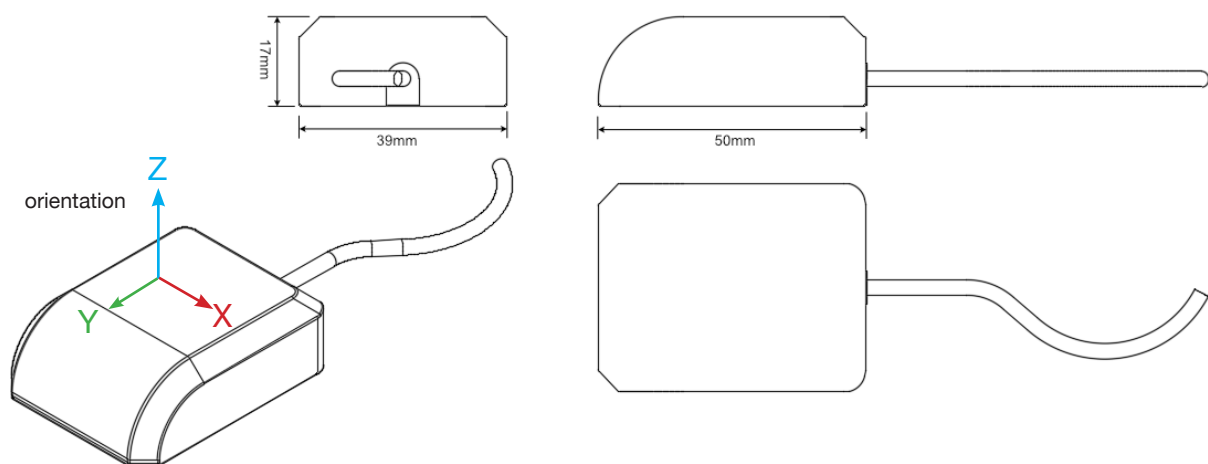
LNA Gain:	28 dB Typical
Noise Figure:	1.5 dB
Connector:	SMA Male
VSWR:	<2.0
DC Voltage:	3.0 V - 5.0 V
DC Current:	10 mA Max

### Mechanical Specifications

Dimensions:	L50 x W39 x H17 mm
Cable:	RG174
Connector:	SMA Male
Mounting Method:	Magnetic

### Environmental Specifications

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



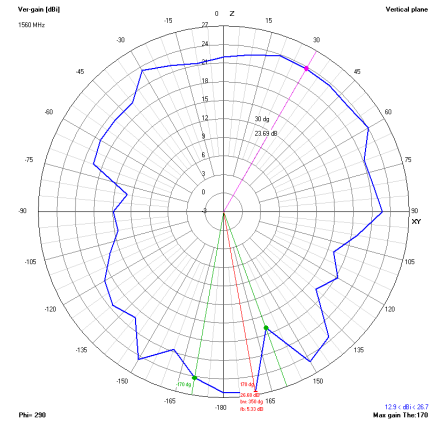
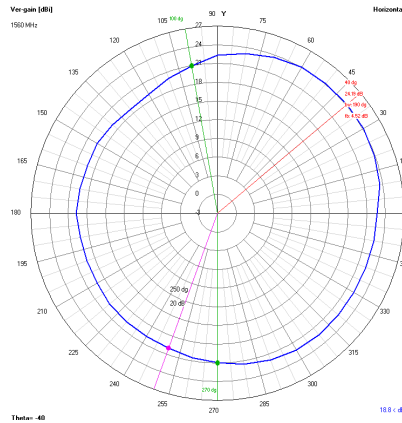
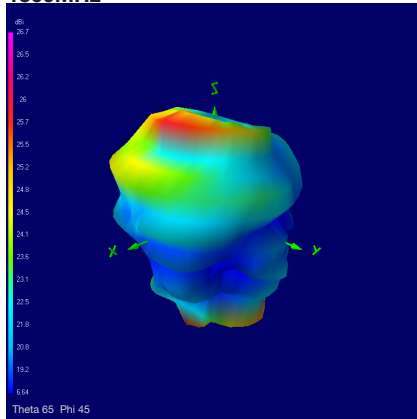


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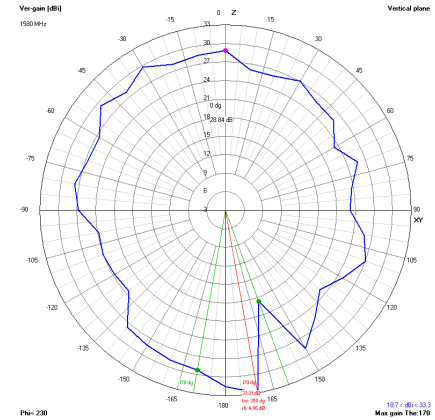
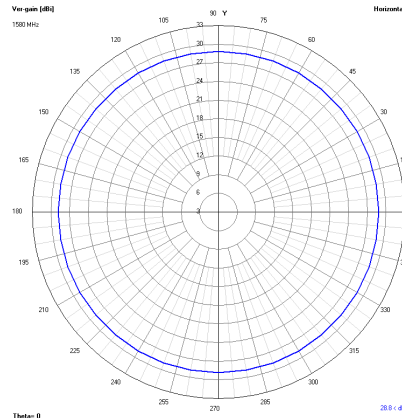
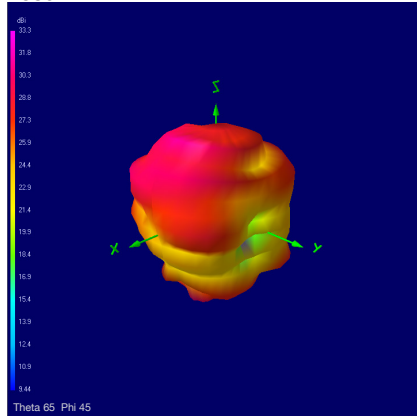
### GPS IP67 Magnetic Mount Antenna

#### Radiation Patterns measured with 5m cable

1560MHz



1580MHz



#### Ordering Details

Part Number	Description
MIKE3A/0.5M/SMAM/RA/S/17	GPS, IP67 MAGNETIC MOUNT ANTENNA SMA MALE RIGHT ANGLE CONNECTOR 0.5m CABLE
MIKE3A/2.5M/SMAM/S/S/17	GPS, IP67 MAGNETIC MOUNT ANTENNA SMA MALE CONNECTOR 2.5m CABLE
MIKE3A/3M/SMAM/S/S/17	GPS, IP67 MAGNETIC MOUNT ANTENNA SMA MALE CONNECTOR 3m CABLE
MIKE3A/5M/SMAM/S/S/17	GPS, IP67 MAGNETIC MOUNT ANTENNA SMA MALE CONNECTOR 5m CABLE
MIKE3A/5M/SMAM/S/RA/17	GPS, IP67 MAGNETIC MOUNT ANTENNA SMA MALE RIGHT ANGLE CONNECTOR 5m CABLE