



Mike 16

2G/3G plus GPS Magnetic Antenna

Key Features

- Magnetic mount
- 2G GSM/GPRS and 3G
- 2dBi Peak Gain GSM Antenna



General Description

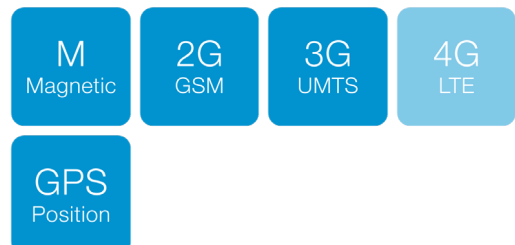
The Mike 16 magnetic mount antenna has both a cellular and GPS antenna built in. Covering 2G and 3G cellular frequencies along with standard GPS coverage.

Typical applications for this antenna are mobile vehicle tracking and data logging.

A variety of connector options and cable lengths are available and others can be specified for volume orders

Additional Considerations

- 28dB GPS LNA Gain
- Covers 4G at 800MHz
- Meets all EU compliance criteria for electronic goods





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Cellular Electrical Specifications

Temperature Range:	-40 - +85°C
Impedance:	50 Ohm
Peak Gain:	2dBi
VSWR:	≤2.5
Operating Frequency:	824-960, 1710-2170MHz
Polarization:	Linear
Radiating Element:	Whip

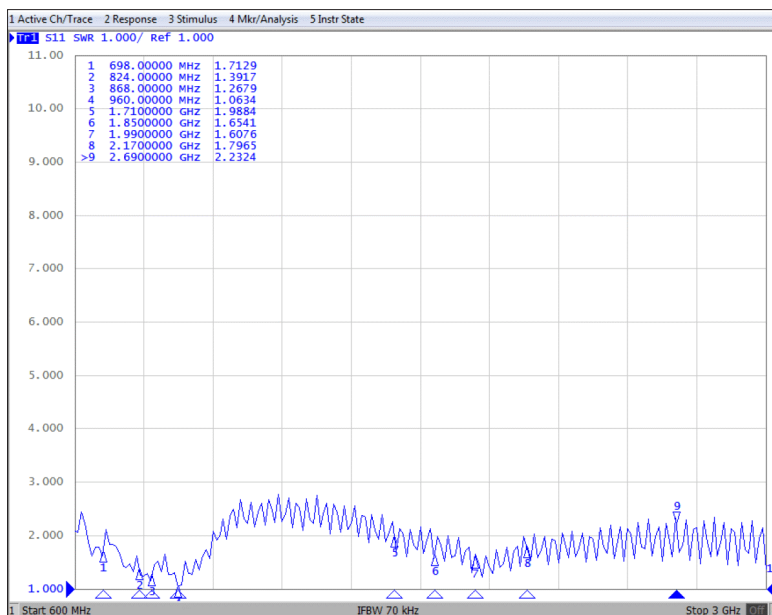
Mechanical Specifications

Dimensions:	53 x 60 x 15mm
Cable:	RG174
Connector:	SMA
Mounting Method:	Magnetic

GPS Electrical Specifications

Center Frequency:	1575.42 MHz
Bandwidth:	CF +/- 5MHz
Polarization:	RHCP
VSWR:	≤1.5
Axial Ratio:	3dB Max
LNA Gain:	28 +/- 2dB
Supply Voltage:	2.2~5V DC
Current Consumption	5~15mA

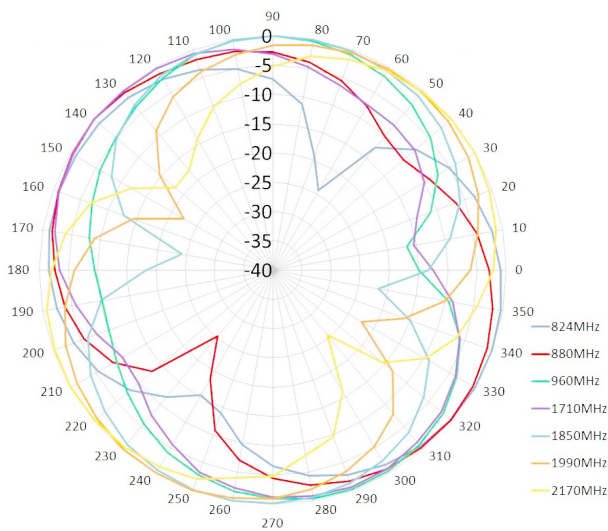
VSWR - Cellular Antenna



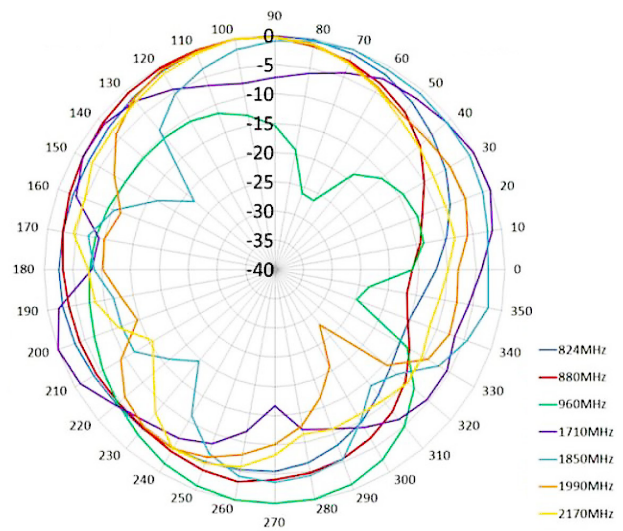


Cellular Radiation Plots

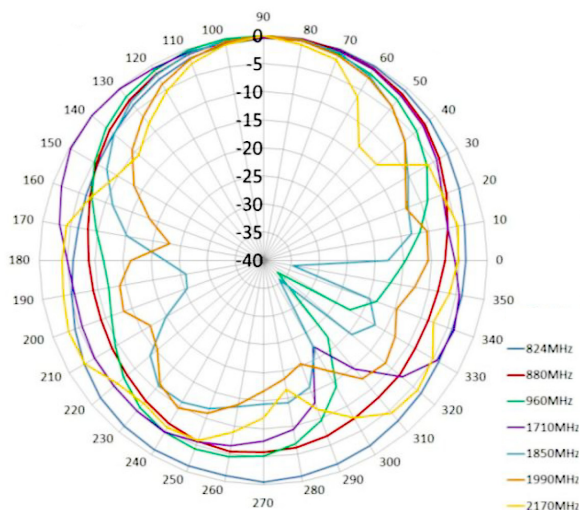
XY Plane



XZ Plane



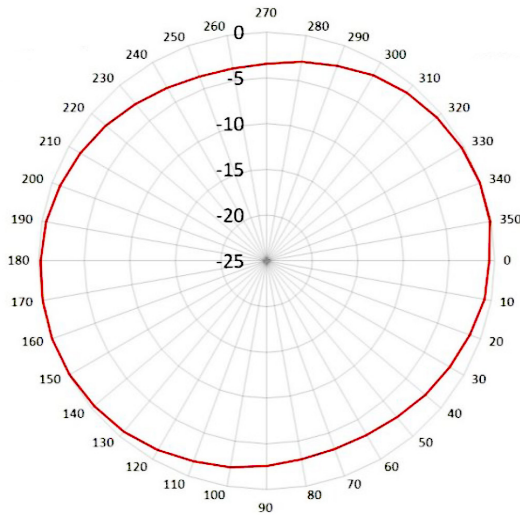
YZ Plane



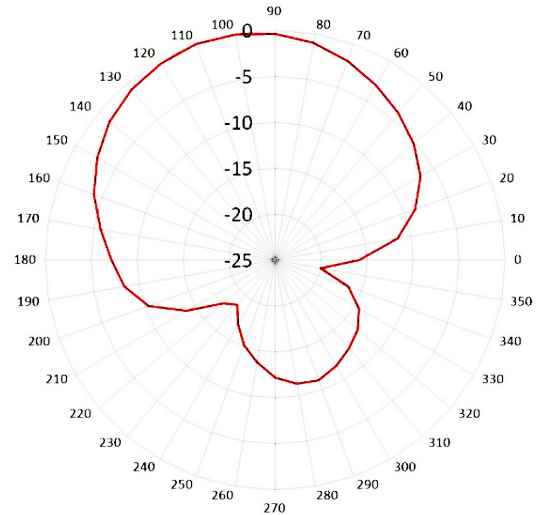


GPS Radiation Plots

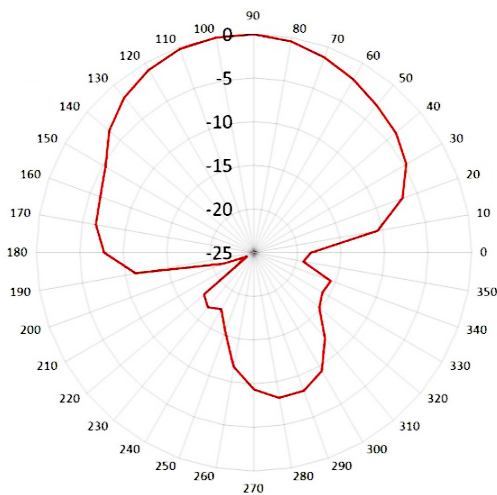
XY Plane



XZ Plane



YZ Plane



Ordering Details

Part Number

Description

MIKE16/2.5M/SMAM/SMAM/S/S/26 Magnetic Mount 2G/3G plus GPS Antenna, 2.5m Cable, 2 x SMA Male Connector