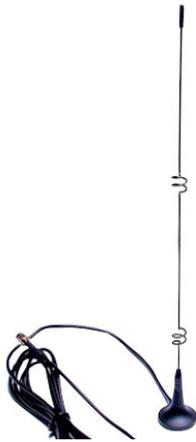


#### Key Features

- Quad band GSM & 3G
- Strong magnetic base
- High gain: 5dBi
- Omni-directional
- Flexible connector & cable options
- RoHS compliant



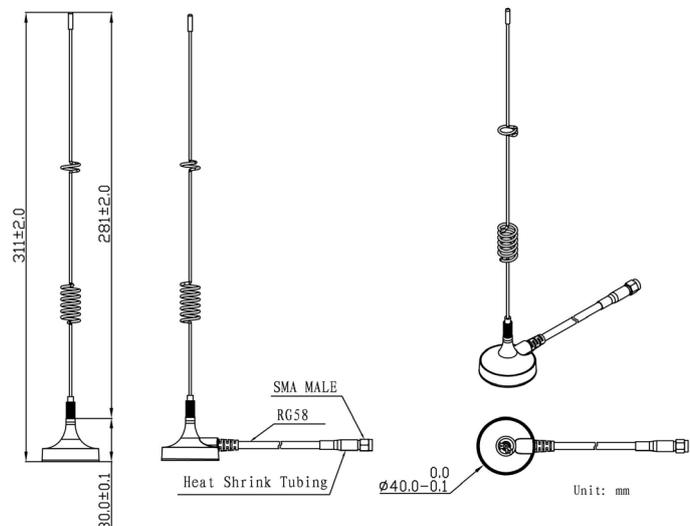
#### General Description

The Mike 2A family is a range of ½ wave omni-directional antennas that operate on quad band GSM, ISM and 3G frequencies, producing a high gain of 5dBi and measures at 311mm tall from the very bottom of its base to its tip.

The Mike 2A comes with a very strong magnetic base that commits to a firm purchase of magnetic surfaces. A variety of cable lengths and different connector types can be applied to the antenna, the most popular of which can be seen in the 'Ordering Details' table overpage. As standard, the Mike 2A comes with an RG174 cable however, it can be supplied with an RG58 cable upon request.

#### Additional Considerations

- Allows quick and easy implementation into target applications
- Magnetic mounting allows versatility when rearranging its position to achieve the most optimal signal transmission/reception
- High gain allows for better transmission/reception range - good for low signal areas
- Operates on popular quad band GSM and 3G frequencies so it is compatible worldwide



Rev 1.0



# Mike 2A

## Quad Band GSM/GPRS & 3G Magnetic Mount Antenna

### Key Specifications - Electrical

Temperature range:	-45 to +75°C
Vibration:	10 to 55Hz with 1.5mm amplitude 2hrs
Impedance:	50 ohm
Gain:	5.0dBi (Zenith)
V.S.W.R:	<2.0
Frequency range:	824~960MHz 1710~2170MHz
Polarization:	Linear/vertical

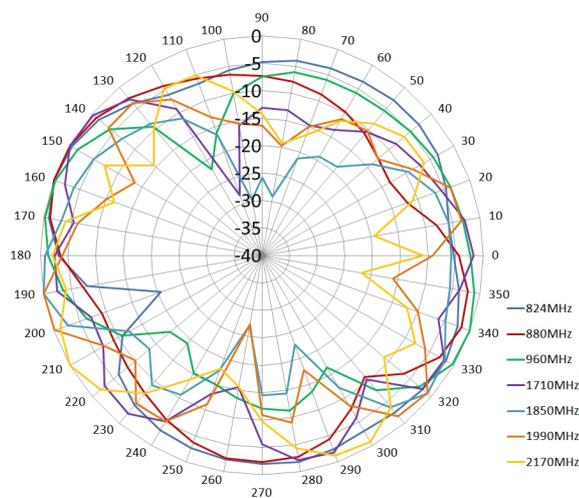
### Key Specifications - Mechanical

Dimensions:	311mm tall
Cable:	RG174/RG58
Connector:	SMA, FME or others
Mounting method:	Magnetic

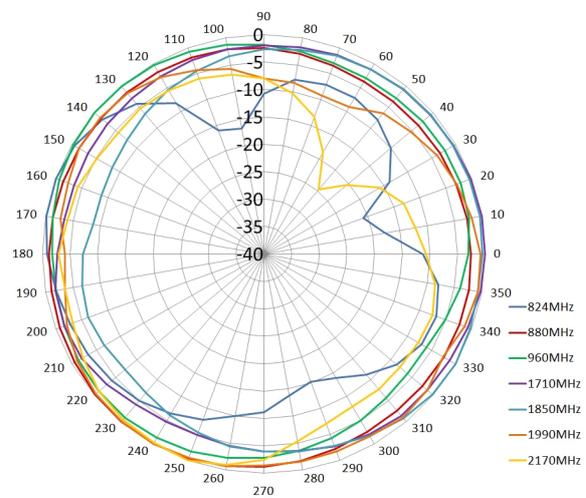
### Test Reports

#### Radiation Pattern

##### Vertical Plane



##### Horizontal Plane



### Ordering Details

Part number	Description
MIKE2A/3M/SMAM/S/S/26	Magnetic Mount Quad Band GSM & 3G Antenna, 3m Cable, SMA Male Connector
MIKE2A/5M/SMAM/S/S/26	Magnetic Mount Quad Band GSM & 3G Antenna, 5m Cable, SMA Male Connector
MIKE2A/3M/FMEF/S/S/26	Magnetic Mount Quad Band GSM & 3G Antenna, 3m Cable, FME Female Connector
MIKE2A/5M/FMEF/S/S/26	Magnetic Mount Quad Band GSM & 3G Antenna, 5m Cable, FME Female Connector

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