



## Magnet Mount Antennas WiFi, 2.4 & 2.4/4.9-6 GHz

- Single band for 2.4 GHz, dual band models for 2.4-2.5 & 4.9 - 6 GHz
- Built-in ground plane improves high frequency performance
- Higher gain overcomes signal losses
- Low profile, powerful magnet securely holds antenna

Mobile Mark's high frequency Magnet Mount antennas are useful for many applications including surveillance work, 2.4 WiFi/ISM, and other high frequency applications. Their unique design features allow them to overcome many of the problems normally associated with higher frequency systems.

The IMAG Series mag-mounts have a ground plane at the feedpoint. This design overcomes the typical ground decoupling that occurs at the higher frequencies.

Because the IMAG antennas have their own built-in ground plane but will require a metal surface to be mounted. Available in either a unity gain (0 dBi) or 5 dBi.

The IMAG Series are very small in design and appearance. A powerful mini magnet holds the antenna securely at all times. The 3" round (76 mm) integral ground plane on the IMAG5 can serve as a removal handle. The low profile 5 dBi whip with tight winding phasing coil reduces potential whistling noise.

The MGD-W15 antenna operates on WiFi 2.4 and 5 GHz and can be

used for public safety 4.9 GHz and DSRC 5.9. It is typically supplied with an SMA male connector, others are available.

A steel surface (but not stainless steel) will provide best contact with the powerful magnet. All units are supplied with a choice of RF connectors.

Standard cable supplied is low loss RF-195, which has excellent electrical characteristics.

Model #	Gain	Frequency
MGD-W15-3C-BLK-120	2.5 dBi	2.4-2.5 & 4.9-6 GHz
MGD-W15-3C-WHT-120	2.5 dBi	2.4-2.5 & 4.9-6 GHz
<u>Color options available for MGD-W15</u> WHT-White or BLK-Black		
IMAG0-2400-3C-BLK-120	Unity	2400-2485 MHz
IMAG5-2400-3C-BLK-120	5 dBi	2400-2485 MHz

### Specifications

Frequency:	See above
Gain:	See above
VSWR:	2:1 over band
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Operating Temp:	-40° to +85° C
Antenna Height:	
IMAG5 series	4 7/8 inches (124 mm)
IMAG0 series	2 inches (51 mm)
MGD Size:	1.9" High x 3.375" Diameter (48 mm x 86mm)
IMAG Mount:	ASA plastic & metal

MGD Mount:	White or black ASA plastic
IMAG Whip:	302 stainless steel
Cable:	10 feet (3 meters) of RF-195
Connector:	SMA Plug (Male) standard
Shock & Vibration:	MGD series, EN 61373, IEEE 1478, MIL-810G TIA-329.2-C