



IMAG5



MGD Series 2.4 & 4.9-6 GHz

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-2400/5500 antenna operates on WiFi 2.4 & 5 GHz

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
- Low profile, powerful magnet securely holds antenna

and can also be used for public safety 4.9 GHz and DSRC 5.9. It is typically supplied with an SMA plug 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-195, which has excellent electrical characteristics.

Model #	Gain	Frequency
MGD-2400/5500-3C-BLK-120	2.5 dBi	2.4-2.5 & 4.9-6 GHz
MGD-2400/5500-3C-WHT-120	2.5 dBi	2.4-2.5 & 4.9-6 GHz
IMAG5-2400-3C-BLK-120	5 dBi	2400-2485 MHz
Available in WHT-White or BLK-Black		

Specifications			
Frequency:	See above	MGD Radome:	White or black ASA plastic
Gain:	See above	IMAG Whip:	302 stainless steel
VSWR:	2:1 over band	Cable:	10 feet (3 meters) of LL-195
Impedance:	50 Ohm nominal	Connector:	SMA Plug (Male) standard
Maximum Power:	10 Watts	Shock & Vibration:	MGD series, EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Operating Temp:	-40° to +85° C		
Antenna Height:			
IMAG5 series	4 7/8 inches (124 mm)		
MGD Size:	1.9" High x 3.4" Diameter (48 mm x 86 mm)		
IMAG Mount:	ASA plastic & metal		