



IMAG5 Series



IMAGO Series



MGD-W15 series  
2.4 & 4.9 - 6 GHz

## Magnet Mount Antennas

For WiFi, WiMAX and High Frequency Applications

- Single band for 2.4 GHz & 2.6 GHz, dual band models for 2.4/4.9 - 6 GHz
- Built-in groundplane 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/SM, WiMAX and other high frequency applications. Its unique design features allow the antenna to overcome many of the problems normally associated with higher frequency systems.

These high frequency antennas have a groundplane imposed at the feedpoint. This design overcomes the typical ground decoupling that occurs at the higher frequencies.

### Model Numbers

Frequency range	5 dBi Gain	Unity Gain
1750 - 1850 MHz	IMAG5-1800	IMAG0-1800
1850 - 1990 MHz	IMAG5-1900	IMAG0-1900
2400 - 2485 MHz	IMAG5-2400	IMAG0-2400
2500 - 2700 MHz	IMAG5-2600	IMAG0-2600

Frequency range	2.5 dBi Gain
2.4 & 4.9 - 6 GHz	MGD-W15-3C00 (SMA connector)

For special configurations, please consult factory.

Because the antennas have their own built-in ground plane, it is not required that they be mounted on a metal surface. For appropriate applications, a unity gain (0 dBi) version is also available.

These antennas 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-W15-3C00 antenna operates on multiple bands including 2.4 GHz, public safety 4.9 GHz and 5 GHz bands. It is typically supplied with an SMA male connector, others are available.

A metal 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 characteristics from 1.7 GHz through the 6 GHz band.

### Specifications

<b>Frequency:</b>	See above	<b>MGD-W15 Size:</b>	1.9 "High x 3.375" Diameter (48 mm x 86mm)
<b>Gain:</b>	See above	<b>IMAG Mount:</b>	ABS plastic & metal
<b>Bandwidth:</b>	See above @2:1 SWR	<b>MGD Mount:</b>	ASA plastic & metal
<b>Impedance:</b>	50 Ohm nominal	<b>IMAG Whip:</b>	302 stainless steel with chrome plating
<b>Maximum Power:</b>	10 Watts	<b>Cable:</b>	10 feet (3 meters) of RF-195
<b>Operating Temp:</b>	-40° to +85° C	<b>Connector:</b>	SMA typical, other connectors available, specify at time of order
<b>Antenna Height:</b>			
IMAG5 series	7 inches (178 mm)		
IMAG0 series	2 inches (51 mm)		