



Magnet Mount Antennas 1750-1990 MHz

- Available for GSM/CDMA networks and 1.8 GHz Federal bands
- Built-in ground plane improves high frequency performance
- 5 dBi gain overcomes signal losses, unity gain also available
- Low profile, 2 inch (51 mm) powerful magnet securely holds antenna

Mobile Mark's high frequency Magnet Mount antennas are useful for many applications including GSM/CDMA data networks, and 1.8 GHz surveillance work. Single band IMAG series will operate on 1.8 or 1.9 GHz bands.

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

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 Unity gain models, IMAG0, are extremely small, measuring only 2 inches (5 cm) in height.

The integral ground-plane provides the user with a wider range of settings in which the antenna and test system can be used. A non-stainless steel metal surface will provide best contact with the powerful magnet.

All units are supplied with SMA connector unless requested other-

wise. Other connectors are also available. Cable supplied is RF-195 for the IMAG Series.

These antennas have been popular for network development and for portable test systems. Typical applications include measuring network strength in multiple settings to identify gaps in coverage for supplemental network development.

The integral ground-plane provides the user with a wider range of settings in which the antenna and test system can be used.

Model	Frequency
IMAG0-1800-3C-BLK-120	1750 - 1850 MHz
IMAG0-1900-3C-BLK-120	1850 - 1990 MHz
IMAG5-1800-3C-BLK-120	1750 - 1850 MHz
IMAG5-1900-3C-BLK-120	1850 - 1990 MHz

Model numbers above call out cable, connector, color and cable length. Other configurations are available.

Specifications			
Frequency:	1750-1850 MHz, or 1850-1990 MHz	IMAG Whip:	302 stainless steel
Gain:		Operating Temp:	-40° to +85° C
IMAG5	5 dBi	Cable:	10 feet (3 meters) of RF-195
IMAG0	Unity	Connector:	SMA Plug (Male), others available
VSWR:	2:1 max over range	Color Options:	Black Only
Impedance:	50 Ohm nominal	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C
Maximum Power:	10 Watts		
Antenna Height:			
IMAG5 Series	7 inches (178 mm)		
IMAG0 Series	2 inches (51 mm)		
IMAG Mount:	ABS plastic & metal		