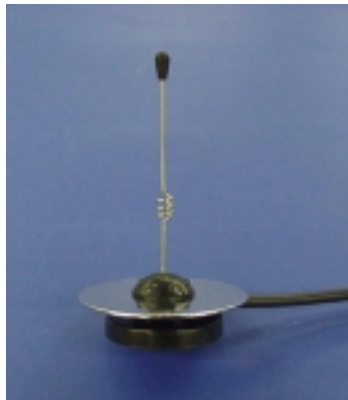


Magnet Mount Antenna Series (Pat.Pend.)

For PCS, ISM & High
Frequency Applications



5 dBi model shown



Unity Gain
model shown

- Available from 1750 - 2700 MHz
- Built-in groundplane improves high frequency performance
- 5 dBi gain overcomes signal losses, unity gain also available
- Low profile, 2" powerful magnet securely holds antenna

Mobile Mark's high frequency Magnet Mount antennas are useful for many applications including surveillance work, PCS, ISM/Data 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. The 5 dBi gain model also compensates for typical system losses that occur at these higher frequencies. Because the antenna has its own built-in ground plane, it is not required that it 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 (only 2") holds the antenna securely at all times. The 3" round 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. These antennas can be mounted on virtually any surface. A metal surface will provide best contact with the powerful magnet.

All units are supplied with TNC connector unless requested otherwise. N or SMA connectors are also available. For SMA connector, RF-195 cable is used.

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

Ranges shown indicate factory standards. For operation on special frequencies, please consult factory for availability. Minimum quantities may apply.

Specifications

Frequency:	See above	Mount:	ABS plastic & metal
Gain:	See above	Whip Material:	17-7 stainless steel with chrome plating
Bandwidth:	See above @2:1 SWR	Cable:	10 feet of low loss LMR-240, RF-195 when SMA is needed
Impedance:	50 Ohm nominal	Connector:	TNC standard, N or SMA type connector upon request
Maximum Power:	10 Watts		
Antenna Height:			
5 dBi model	7 inches maximum		
Unity (0 dBi) model	2 inches maximum		