



RM-WLF Series



MGRM-WLF Series



MMF3-700 series

## Mobile 700 MHz Band Stud Mount & Glass Mount

- Available in Roof Mount, Window Mount & Magnetic Mount
- Power handling up to 10 watts
- Wideband RM models operate on 700, GSM, 2.4 WiFi & 2.6 WiMAX
- Window Mount model installs easily to window with 3M VHB tape

Mobile Mark propels into the new 700 MHz nationwide spectrum with an exciting array of mobile antennas. With this new line, your deployments can begin immediately.

The RM-WLF wideband Series antenna is available in black radome (white optional). These are 3 dBi gain broadband antennas. A ground plane is recommended for best performance. These antennas will operate over the entire 694-894 MHz spectrum, along with 1.7 - 2.7 GHz high frequency spectrum. With these antennas, you can provide operation on 700, as well as other complimentary technologies such as GSM, WiFi or WiMAX. The RM-WLF require a 5/8" hole (16 mm) for mounting and are outfitted with a captured "O" ring for weather sealing. Standard cable supplied is 1 foot of RG-58 (305 mm) and SMA connector standard, other configurations are available.

A magnetic mount version is available in MGRM-WLF. This model provides all the same performance as the RM-WLF, with a powerful magnet for less permanent installations. Cable provided standard with MGRM Mag mount is 10 ft of RG-58 with SMA. Like most Mobile Mark

models other configuration are available.

For glass mounting, Mobile Mark's MMF3-700 antennas can provide nearly identical 700 band performance as the stud mount antenna. Providing no-hole installation, setup is speedy. This model has two mounting/transfer plates that attach to the inside/outside. They attach using field proven 3M VHB double sided tape. The short flexible whip on the MMF is fixed in vertical position and never needs to be removed, they are car wash proof. The standard cable is 15 ft of RG-58 with SMA connectors.

### Model Number

| Model    | Frequency                   | Description           |
|----------|-----------------------------|-----------------------|
| MMF3-700 | 694-960 MHz                 | Glass Mount           |
| RM-WLF   | 694-894 MHz & 1.7 - 2.7 GHz | Body Mount (5/8"stud) |
| MGRM-WLF | 694-894 MHz & 1.7 - 2.7 GHz | Mag Mount             |

### Specifications

**Frequency:** See above

**Gain:** 3 dBi peak gain

**VSWR:** 2:1 max over range

**Operating Temp:** -40° to +85° C

**Nominal Impedance:** 50 ohms

**Maximum Power:** 10 watts

#### Antenna Size/Mount:

RM Series 1.75"D x 3"H, 5/8" hole required (45 mm x 76 mm, 16 mm hole)

MGRM Mag 2.65 base diameter x 3.62" high (67 mm x 92 mm)

MMF3-700 2" dia. Mount, 3.75"L Whips (51 mm dia, 95 mm)

**Case Material:** ABS

**RM Stud Depth:** Mount to 1/2" metal (12.7 mm)

#### Hardware Supplied:

RM Stud Mount Locknut and gasket or O ring

MMF Glass Mount 3M VHB tape

#### Cable:

RM-WLF 1 ft RG-58 (305 mm)

MGRM Mag 10 ft RG-58 (3 meters)

MMF3-700 15ft RG-58 (4.5 meters)

**Connector:** SMA male

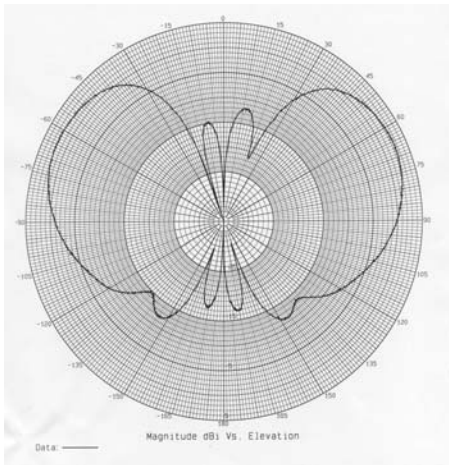
Other connector & cable configurations available, please consult factory for details.

## RM-WHF-XX Antenna

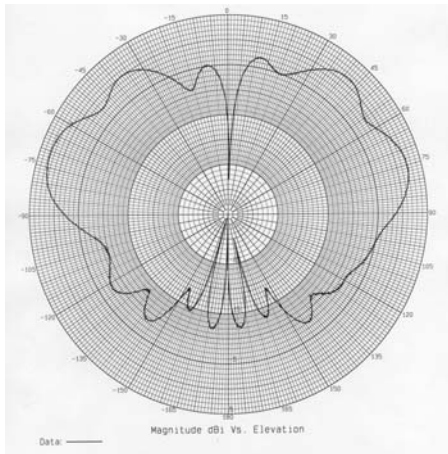
High Frequency Body Mount Wide-Band “BUS” Antenna

3 dBi, 2.4 GHz thru 6.0 GHz

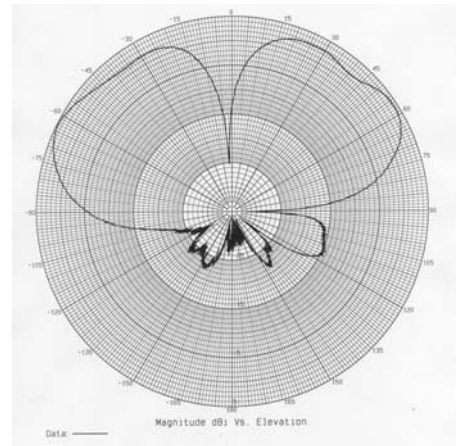
RM-WHF-XX at 2400 MHz – Elevation



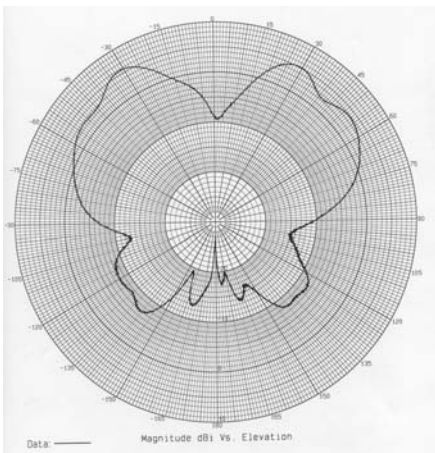
RM-WHF-XX at 3600 MHz – Elevation



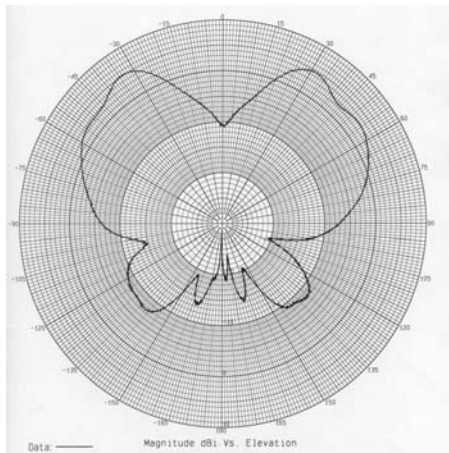
RM-WHF-XX at 4900 MHz – Elevation



RM-WHF-XX at 5100 MHz – Elevation



RM-WHF-XX at 5300 MHz – Elevation



RM-WHF-XX at 5800 MHz – Elevation

