



**MRM3 Body Mount Antenna**  
(quarter not included)

## Micro Body/Stud Mount (Pat.Pnd.) WiFi, WiMAX & 4.9 Public Safety

- Mounts easily to vehicle or fixed utility box with a small 9/16" mounting hole (14.3 mm)
- Impressive 2.5 dBi gain in a thumb-sized radome
- Rugged and weather tight ABS radome with foam sealing gasket
- Custom cable configurations & connectors available

The MRM Stud mount series are micro-antennas that provide the gain and performance that is close to its bigger brother products, the RM Series. A variety of single and dual band models are available for the most popular broadband data system applications.

The MRM antenna design is "thumb" sized, only 1.35" H x 1" D (34 mm x 25mm). These antennas have a 1/2" diameter stud (13 mm) for mounting on up to 3/8" thick surface (9.5mm). To mount, access to the underside of the body surface is required. A 1/2"-20 Hex mounting nut (split nut) is also provided.

The antennas are normally outfitted with 1 foot (305 mm) of low loss RF-195 cable with an SMA male connector. Antennas can be factory ordered with any cable length required and connector. Alternatively, jumper cables can be provided for completing a longer installation.

Peak antenna gain performance is 2.5 dBi for the MRM3 Series. The antennas should be mounted on metal for best overall performance.

The MRM3 Series antenna radome consists of Black UV resistant plastic with a nickel plated bottom plate. The bottom mounting plate is outfitted with a foam gasket for complete outdoor weather sealing.

### Model Number

Model	Freq GHz	Description
MRM3-2400	2.4 - 2.5	802.11 b/g WiFi
MRM3-2300	2.2 - 2.4	WCS, WiMAX
MRM3-2600	2.5 - 2.7	WiMAX
MRM3-3500	3.3 - 3.7	Broadband/WiMAX
MRM3-5500	4.9 - 6.0	802.11a & 4.9 GHz public safety band
MRM3-2400/5500	2.4 & 5.5	Dual band model for 802.11 a/b/g

Antennas are supplied with standard 1 foot (305 mm) cable and SMA male connector standard. Units can also be outfitted with other cable lengths and connectors.

### Specifications

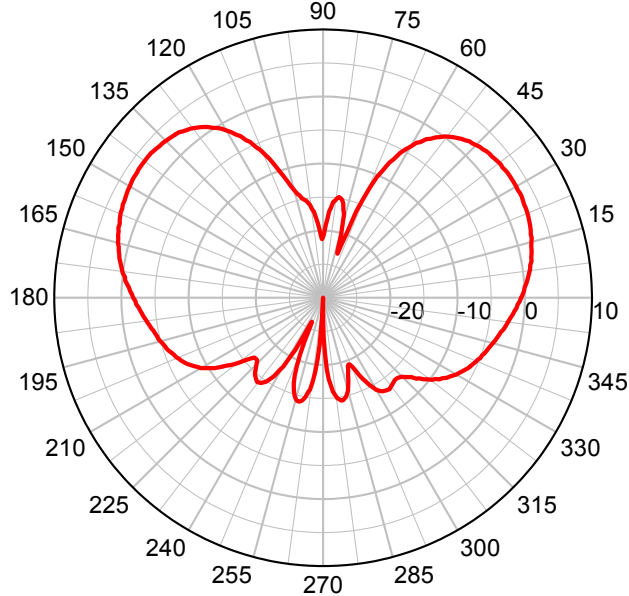
<b>Frequency:</b>	See above	<b>Mounting:</b>	1/2" Diameter stud (13 mm) 10/16" L (16 mm) for 3/8" thick surface (9.5 mm)
<b>Gain:</b>	2.5 dBi peak	<b>Pigtail Cable :</b>	RF-195, 1 foot (305 mm), request longer lengths at time of order
<b>VSWR:</b>	2:1 max over range	<b>Pigtail Connector:</b>	SMA Male, others available, specify at time of order
<b>Operating Temp:</b>	-40° to +85° C	<b>Jumper/Cable Option:</b>	Use jumpers for longer installation, or specify longer cable at time of order
<b>Nominal Impedance:</b>	50 ohms		
<b>Maximum Power:</b>	10 watts		
<b>Radome/Mount:</b>	1.0" diameter x 1.35" high (25 mm x 34 mm)		
<b>Case Material:</b>	ABS plastic, UV Resistant		
<b>Hardware Supplied:</b>	Nut & sealing gasket (gasket attached)		

# MRM3-2400/5500 Antenna

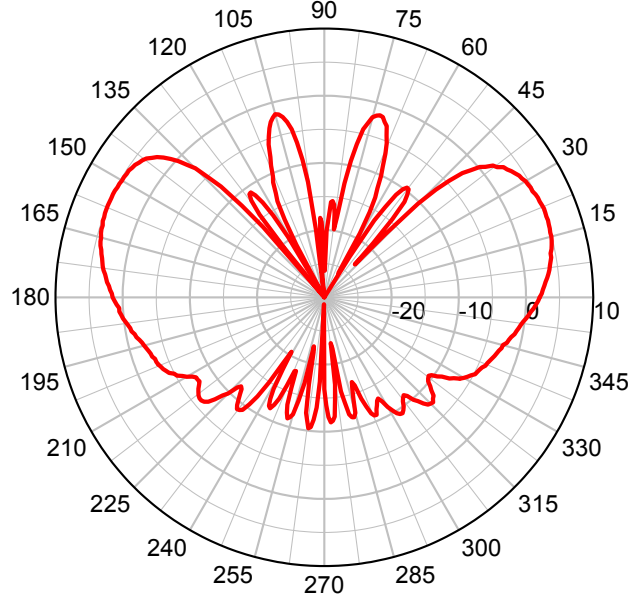
Mini Body Mount Dual Band “Bus” Antenna

2.5 dBi, 2.4 – 2.485 & 4.9 – 6.0 GHz

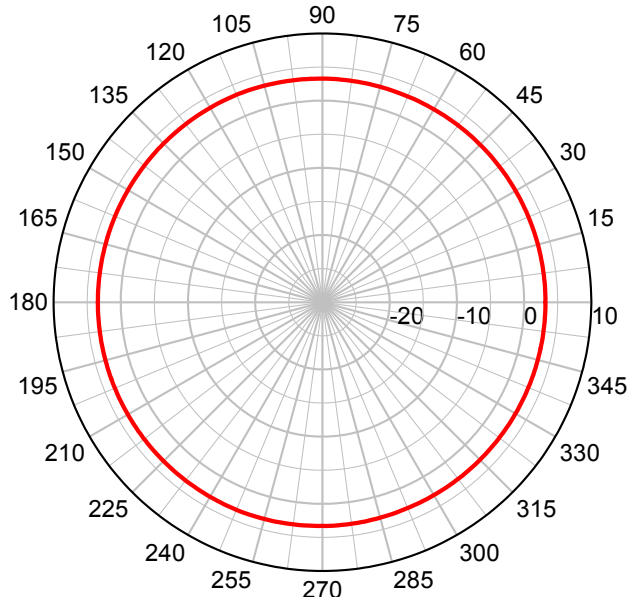
**MRM3-2400 Series – Elevation Plot**



**MRM3-5500 Series – Elevation Plot**



**MRM3-2400 Series – Azimuth Plot**



**MRM3-5500 Series – Azimuth Plot**

