



ARA-0548M

Vehicular, Magnet Mount
SATCOM-On-the-Move Antenna

The **ARA-0548M** is a dual port, 225 – 400 MHz UHF Line-of-Sight (LOS, Low Angle) and UHF SATCOM (SAT, High Angle) Antenna. It is ideal for high speed and high power SATCOM-On-The-Move (SOTM) operations. This popular, rugged design has been deployed on thousands of vehicles and passes the MIL-STD-810F environmental standard testing for vibration, immersion, shock, operating/storage temperature and salt fog.



The **ARA-0548M** can be used with most tactical Multi-Band, Multi-Mode Receivers (MBMMR), as well as all airborne and ground transceivers that accept a 50 ohm antenna impedance. This antenna attaches magnetically to any steel surface and can endure thousands of mounting and repositioning cycles. The ARA-0548M is MUOS compatible.

SPECIFICATIONS:

Gain	+8 dBic (SAT) +3 dBic (LOS)
Frequency	225 to 400 MHz
Polarization	Right Hand Circular (SAT) Vertical, Linear (LOS)
Impedance	50 Ohms Nominal
VSWR	1.5:1 (SAT) 3.0:1 (LOS)
Isolation	24 dB Minimum
Axial Ratio	3dB at Half Power Points
Power Handling	200 Watt CW (SAT) 100 Watts CW (LOS)
Antenna Connectors	N Female (SAT) TNC Female (LOS)
Mounting	Magnet Mount
Weight	2.75 Pounds Maximum
Finish	Black (Default) Tan (ARA-0548M-T) Green (ARA-0548M-G)

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Antenna Research