

Vehicular, Magnetic Mount SATCOM-on-the-Move Antenna

The ARA-0548M is a dual-port, 225 to 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 (MBMMRs), 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 dBi (LOS)
Frequency	225 to 400 MHz
Polarization	Right-hand circular (SAT) Linear vertical (LOS)
Impedance	50 Ω nominal
VSWR	1.5:1 (SAT) 3.0:1 (LOS)
Isolation	24 dB min
Axial Ratio	3 dB at half-power points
Power Handling	200 W CW (SAT) 100 W CW (LOS)
Antenna Connectors	N Female (SAT) TNC Female (LOS)
Mounting	Magnetic mount
Weight	3.12 lbs max
Finish	Black (default) Tan (ARA-0548M-T) Green (ARA-0548M-G)

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1