



L3HARRIS™
FAST. FORWARD.

RF-390

Multiband Vehicular Antenna Series

| MECHANICAL | |
|---------------|---|
| RF Connector | BNC female or Type N |
| HV Protection | 20 kV RMS |
| Mounting | Four 0.5 in holes spaced on 4.5 in BHC (hardware included) Bolts directly to RF-292 (not included) |

| ENVIRONMENTAL | |
|---------------|--------|
| Wind Rating | 70 mph |

| ELECTRICAL | |
|-------------------|--|
| Frequency Range | 30 - 512 MHz |
| Polarization | Vertical |
| Impedance | 50 ohm (nominal) |
| VSWR | 3.5:1 (30 - 90) MHz 2.5:1 (90 - 512) MHz |
| Gain | -6 dB to +1 dB ref 1/4 wave radiator on 10x10x10 ft ground plane |
| Power Rating | 50 W continuous |
| Matching | Passive, distributive |
| Radiation Pattern | Omin-directional |

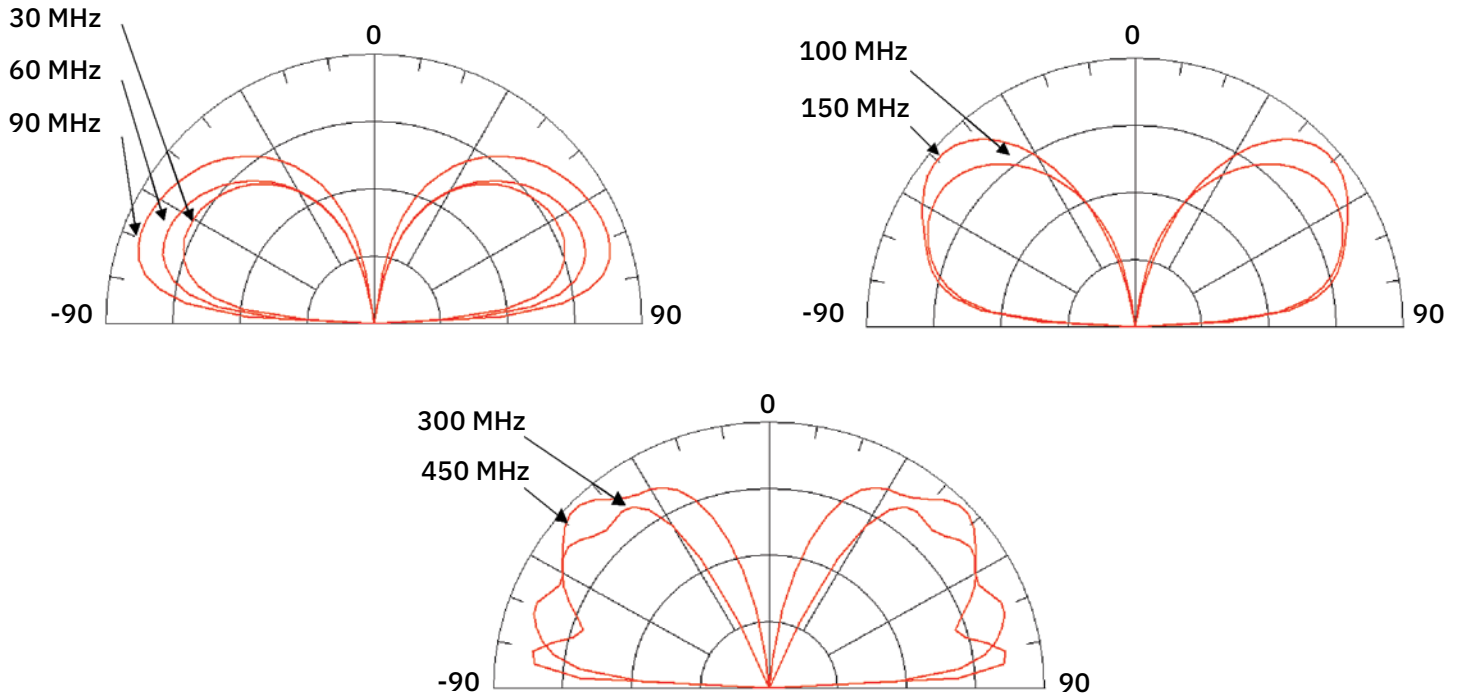
| PHYSICAL | |
|----------|----------------------------|
| Height | 110 in (2.8 m) |
| Weight | 7.7 lbs (3.5 kg) |
| Color | CARC 383 Green or CARC Tan |

| MODELS | | |
|--------------|--------------------|----------------|
| Antenna | Port/GPS/Diplexer | Color |
| RF-390-AT001 | Dual BNC port | CARC Green 383 |
| RF-390-AT002 | Dual BNC port | CARC Tan |
| RF-390-AT003 | Single Type N port | CARC Green 383 |
| RF-390-AT004 | Single Type N port | CARC Tan |
| RF-390-AT005 | Single BNC port | CARC Green 383 |
| RF-390-AT006 | Single BNC port | CARC Tan |



The RF-390 series provides instantaneous bandwidth for ECCM waveforms and broadband connectivity for a range of tactical and C3I battlefield scenarios. The series replaces the need for multiple antennas and is ideal for multiband tactical radios including the L3Harris Falcon III® AN/PRC-117F, RF-5800M, RF-5800V and RF-5800U. This series delivers exceptional gain and bandwidth over the 30 to 512 MHz spectrum. The antennas have a unique electrical design that places power patterns on the horizon, supporting Line-Of-Sight and Beyond-Line-Of-Sight communications even in harsh conditions. RF-390 antennas are designed to meet and exceed the rigors of MIL-STD-810 tests for both mechanical and environmental characteristics, as well as SINCGARS standards for tactical survivability and high-voltage power line protection.

RADIATION PATTERNS OVER AVERAGE GROUND



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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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