



L3HARRIS™
FAST. FORWARD.

RF-3183-AT1XX

Multiband Vehicular Antenna Series

MECHANICAL	
RF Connector	Single connector, BNC female or Type N Dual feed, Diplexer BNC Female only
Wind Rating	123 mph
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)

ELECTRICAL	
Frequency Range	Without Diplexer: 30 - 512 MHz With Diplexer: 30 - 88 MHz 108 - 512 MHz
Polarization	Vertical
Impedance	50 ohms (nominal)
VSWR	<3.5:1 over 95% of the pass band
Gain	-5 dB to +1.5 dB rel 1/4 wave radiator on 10 x 10 x 10 ft Ground Plane
Power Rating	50 W, 1 hour
Matching	Passive, distributive
Radiation Pattern	Omni-directional

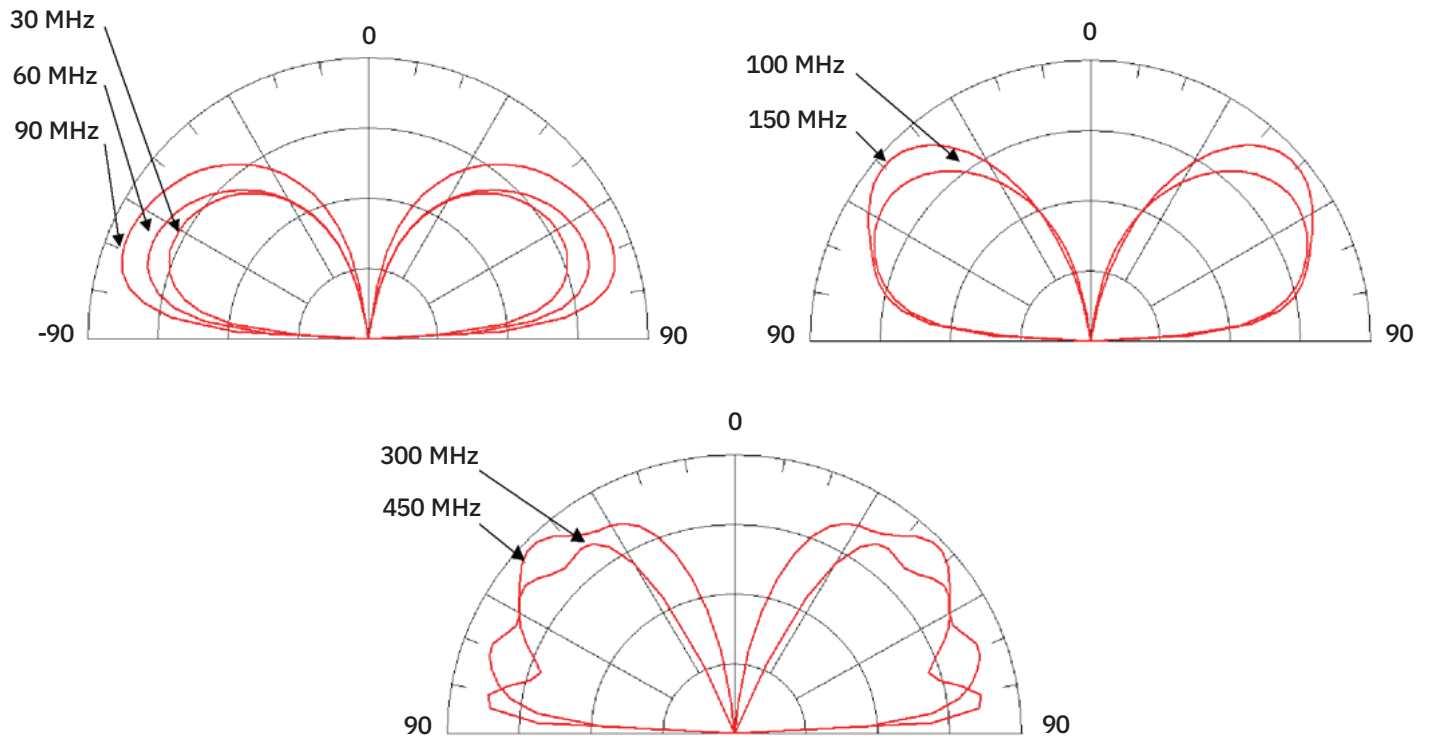
PHYSICAL	
Height	105 in, 8.75 ft (2.7 m)
Weight	8.75 lbs (4 kg)

MODELS		
Antenna	Port/GPS/Diplexer/TDK	Color
RF-3183-AT101	Dual BNC/Yes/Yes/Yes	Green
RF-3183-AT102	Dual BNC/Yes/Yes/Yes	Tan
RF-3183-AT103	Type N/Yes/No/Yes	Green
RF-3183-AT104	Type N/Yes/No/Yes	Tan
RF-3183-AT105	BNC/Yes/No/Yes	Green
RF-3183-AT106	BNC/Yes/No/Yes	Tan
RF-3183-AT111	Type N/No/No/Yes	Green
RF-3183-AT112	Dual BNC/No/Yes/Yes	Tan
RF-3183-AT113	Dual BNC/No/Yes/Yes	Green
RF-3183-AT114	Type N/No/No/Yes	Tan
RF-3183-AT115	BNC/No/No/Yes	Green
RF-3183-AT116	BNC/No/No/Yes	Tan



The RF-3183 series is designed for use with L3Harris Falcon II® and Falcon III® multi-mission radios, including the RF-300M-MP, RF-7800M-MP, AN/PRC-117F, RF-5800M-MP, RF-5800V and AN/PRC-152 handheld. Available in single and dual port configurations with either BNC or Type N connectors, they provide maximum performance over the 30 MHz to 512 MHz spectrum. The antennas include a Tie Down Kit (TDK) and deliver exceptional Line-Of-Sight and Beyond-Line-Of-Sight communications and remain mechanically strong and flexible even when deployed in the harshest of conditions. The series features high-voltage power line protection and passive characteristics, which support operation without an antenna tuner, band-switching or user intervention. RF-3183 Multiband Vehicular Antennas meet and exceed MIL-STD-810 and SINCGARS testing for mechanical, environmental and tactical survivability.

RADIATION PATTERN OVER AVERAGE GROUP



Non-Export Controlled Information

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.