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L3HARRIS RF-3144TB-AT32X

Tri-Band Vehicular Antenna

ELECTRICAL	
Frequency Range	30-88 MHz / 225-450 MHz / 1200-2600 MHz
Polarization	Linear
Impedance	50 ohm (nominal)
VSWR	VHF: < 3.5:1 UHF: < 3.0:1 L/S-Band: < 3.0:1
Gain	-9dB1/4whip to -3dB1/4whip (30-88 MHz) > -1 dBi (225-450 MHz) > +2 dBi (1200-2600 MHz)
Port to Port Isolation	40 dB typical
Power Rating	VHF: 50 W / UHF: 50 W / L/S-Band: 50 W

SPECIFICATIONS	
Dimensions (height)	59.6 in (151.38 cm)
Weight	3 lbs whip, 5.5 lbs base
Color	Green or tan

ENVIRONMENTAL	
Temperature	-55°C to + 71°C
Designed and Tested to	MIL-STD-810F

MECHANICAL	
RF Connector	VHF: BNC female UHF: BNC female L/S-Band: N-type female
Mounting	Four bolts on 4.5 inch bolt circle (NATO mount)

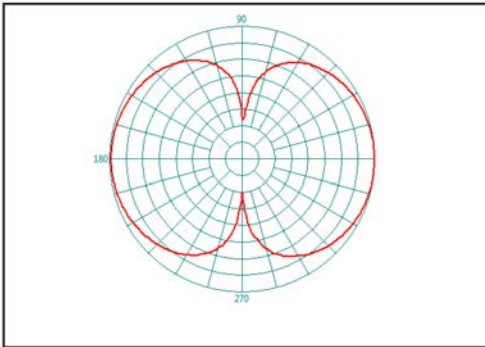


The L3Harris RF-3144TB-AT32X tri-band antenna is ruggedized for vehicular use and engineered for easy mounting with its standard NATO bolt hole pattern. This solution is frequency banded for increased performance and combines multiple technologies in a streamlined form factor. The RF-3144TB-AT32X includes monopole VHF, dipole UHF and L/S-Band elements as well as an internal gas discharge tube for additional transient protection. The tri-band antenna is compatible with the RF-7800M-V150, RF-7800UL-V150, RF-7800M-V250, RF-7800UL-V250 and RF-7800UL-V350 series of vehicular power amplifiers.

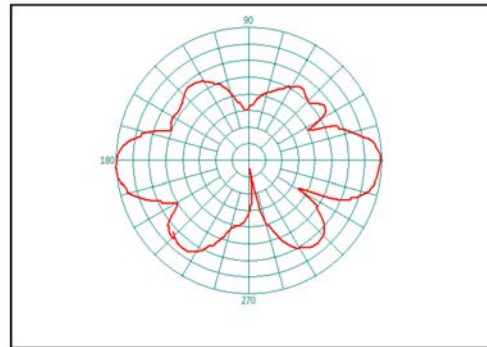
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RADIATION PATTERNS

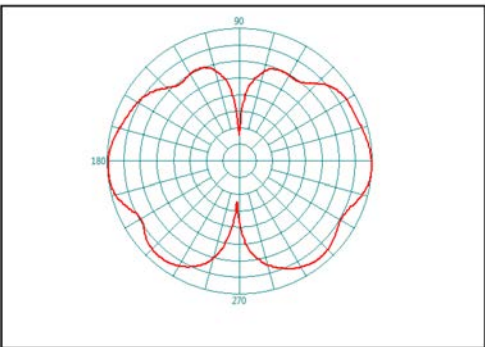
VHF



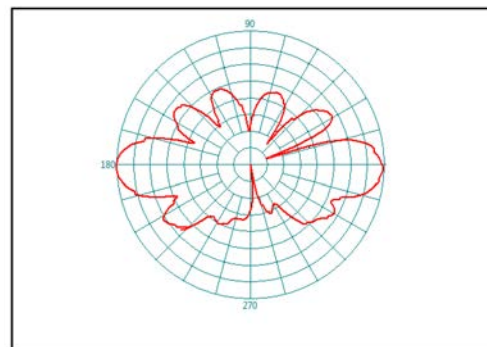
L-BAND



UHF



S-BAND



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