L3HARRIS™
FAST. FORWARD.

RF-7800W-AT246

On-Tho-Move Omni-Directional Antenna

ELECTRICAL	
Frequency range	4.4 – 5.875 GHz
Gain	5 dBi (nominal)
Impedance	50 Ohms (nominal)
Polarization	Dual linear (horizontal and vertical)
VSWR	2.2.1 max
Radiation	Pattern 360° beam width (azimuth) 8 ft elevation
Port to Port	>30 dB isolation
Cross Polarization	>20 dB separation

PHYSICAL	
Dimensions	22.8 H x 5.3 W x 2 D in (58 H x 13.55 W x 5 D cm)
Mount	Bracket mount
Weight	3.3 lbs (1.5 kg)
Color	FED-STD-595C green
RF Connector	Type N Female (2)

ENVIRONMENTAL	
Temperature	-40°F to 140°F (-40°C to 60°C) MIL-STD-810G (operational)
Relative Humidity	95% MIL-STD-810G
Vibration Cat 5 Loose Cargo	MIL-STD-810G
Shock	MIL-STD-810G
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G
Wind	125 mph (201 kph)

This easy-to-deploy, on-the-move antenna covers the frequency range of 4.4 to 5.875 GHz which includes NATO Band IV, Public Safety, ISM and unlicensed bands. The RF-7800W-AT246 has two RF feeds and is both horizontally and vertically polarized. This high-gain antenna supports the Multiple Input, Multiple Output function of the RF-7800W Multimission HCLOS radios.

The RF-7800W-AT246 is uniquely designed to get the most gain for its size and weight, and can handle harsh environments, making it ideal for on-the-move vehicular stations. Compact and lightweight, the RF-7800W-AT246 is the right antenna choice when there is a need for vehicular deployments.

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.

L3HARRIS™
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919