



L3HARRIS™
FAST. FORWARD.

RF-7800W-AT203

Three-Foot Parabolic Antenna

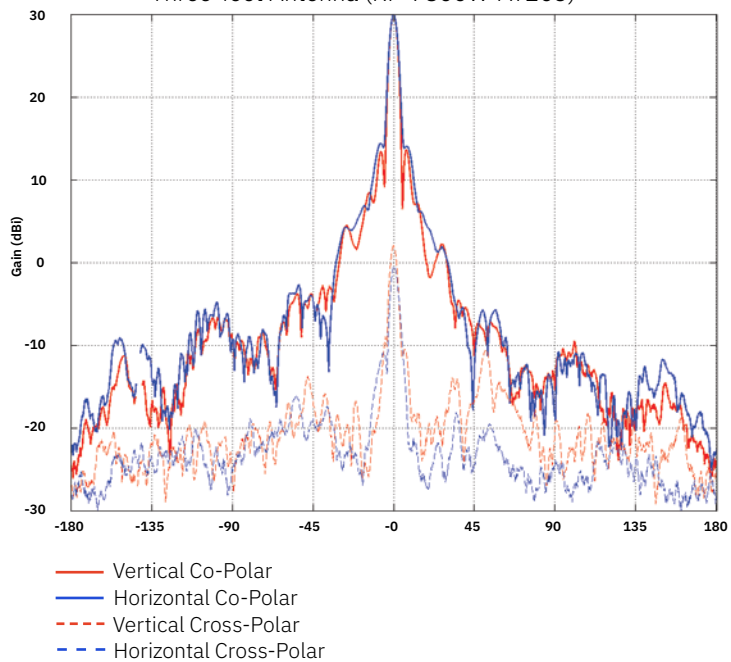
GENERAL	
RT Nomenclature	RF-7800W-AT203
Frequency Range	4.4 - 5.875 GHz
Antenna Mounting Bracket	Supplied with the RF-7800W Multi-Mission HCLOS radio
ELECTRICAL	
Gain	30.0 dBi (nominal)
Impedance	50 ohm (nominal)
Polarization	Dual linear (vertical and horizontal)
VSWR	2.0:1 Maximum
Radiation Pattern	Azimuth: 4.0° beam nominal Elevation: 4.0° beam nominal (See radiation pattern chart on the back page)
Front to Back	> 30 dB isolation
Port to Port	> 28 dB isolation
Cross Polarization	> 20 dB isolation
PHYSICAL	
Dimensions	37 in (.94 m) diameter
Weight	≤12.5 lbs (5.67 kg)
Color	FED-STD-595C Green
ENVIRONMENTAL	
Temperature	-40°F to 158°F (-40°C to +70°C) MIL-STD-810G
Relative Humidity	100% MIL-STD-810G
Wind	125 mph (201 kph)
Vibration	CAT5 Loose cargo MIL-STD-810G
Shock	MIL-STD-810G
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G



The L3Harris RF-7800W-AT203 Three-Foot Parabolic Antenna is engineered to get the most gain for its size and weight. Lightweight and easy to use, this antenna is ideal for rapid deployment during mobile operations with communications ranges up to 60 km. The RF-7800W-AT203 covers frequency ranges of 4.4 to 5.875 GHz, including NATO Band IV, Public Safety, ISM and various unlicensed bands. This versatile solution has two RF feeds, is horizontally and vertically polarized and supports the MIMO function of the Harris Falcon III® Multi-mission High-Capacity Line-Of-Sight Radio. With its exceptional gain, the RF-7800W-AT203 is the right choice for medium to long-range Point-To-Point and Point-To-Multipoint Line-Of-Sight data links.

AVERAGE BAND RADIATION PATTERN

Three-foot Antenna (RF-7800W-AT203)



RF-7800W-AT203 Smart Antenna
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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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