



# RADIO FREQUENCY SIMULATORS (RFS) HORN ANTENNAS

L3Harris' RFS Antennas are dual-polarized conical antennas designed for radio-frequency simulators (RFS) and are suitable for a wide variety of fixed-site, ground mobile and airborne applications.

L3Harris RFS horn antenna is available in two models to suit varying requirements, the 462080, (Low-Gain) Unit, and 461478 (High-Gain) Unit. Both versions offer 3:1 bandwidths, high port-port isolation, and excellent unit-unit repeatability.

	Model 462080-1	Model 461478-1, 461478-2
<b>ELECTRICAL</b>		
Frequency range	6 – 18 GHz	6 – 18 GHz
VSWR	2.0:1 max 1.4:1 Typ	2.0:1 max 1.4:1 Typ
Peak gain	15 – 22 dBi min	22 – 30 dBi min
Polarization	Dual Linear	Dual Linear
Cross polarization	> 25 dB	> 25 dB
Port-port isolation	> 25 dB	> 25 dB
Port-port phase	±20°	±20°
Sidelobes	18 – 11 dB (max)	18 – 11 dB (max)
Power handling	50 W Peak, 10 W CW	50 W Peak, 10 W CW
<b>MECHANICAL</b>		
Connector	OSM female	OSM female
Weight	< 2 lbs	< 2 lbs



## KEY FEATURES

- > Radio frequency simulation range usage
- > High- or low-gain models
- > Dual polarized
- > Excellent unit-to-unit repeatability

For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)

### Radio-Frequency Simulators (RFS) Horn Antennas

© 2021 L3Harris Technologies, Inc. | 10/2021 | 61492 | TRP

Nonexport-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.

