



L3HARRIS™
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12006-9001-01

225-400 MHz Vehicular Satcom X-Wing Antenna

ELECTRICAL	
Frequency Range	225-400 MHz
Polarization	Linear (low angle) Right hand circular (high angle)
Impedance	50 ohm (nominal)
VSWR	< 3.0:1 Linear <2.0:1 RHCP
Gain	>2 dBi for elevation angles >5 and <45° Linear >2 dBi for elevation angles >45 and <45° RHCP >6 dBi peak at 90° RHCP
Power Rating	100 W CW for 2 hours, 50W Indefinitely Linear 200 W CW for 2 hours, 50W Indefinitely RHCP

MECHANICAL	
Dimensions	11.3 inches (28.7 centimeters) max height 19.2 inches (48.8 centimeters) max tip-to-tip
Weight	3 lbs. max.
RF Connector	Type N female (RHCP) TNC female (Linear)
Color	Black
Mounting	Four bolts on a 4.6 x 2.6-inch (11.7 x 6.6-centimeter) rectangular bolt pattern

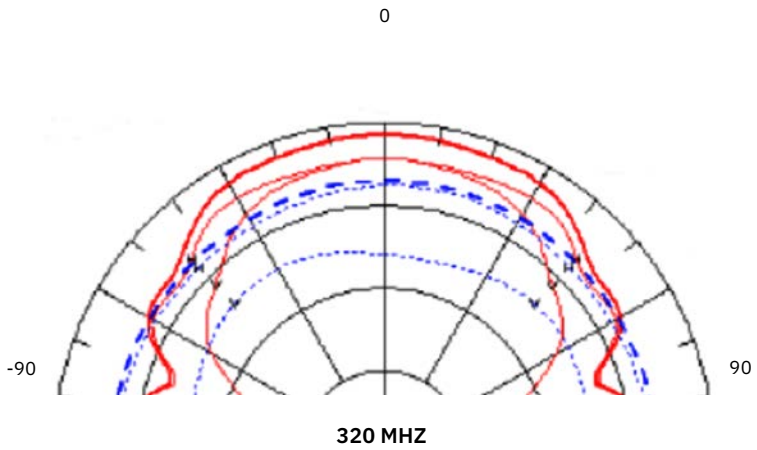
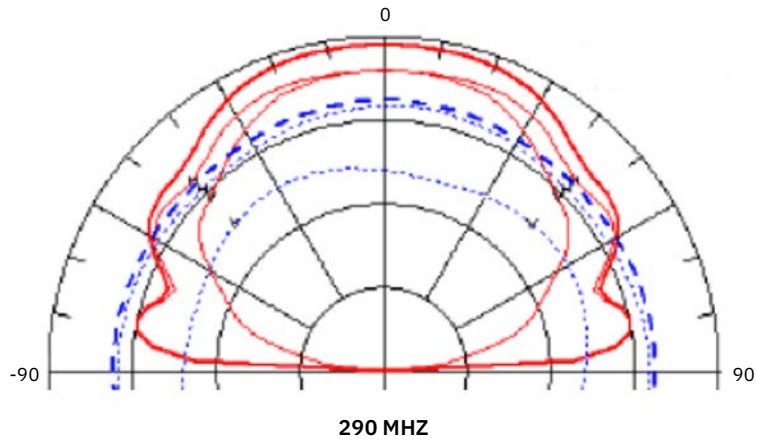
ENVIRONMENTAL	
Temperature	-40° C to + 71° C
Design and Tested to	MIL-STD-810F

FEATURES	
Low Profile	
Rugged	
No Assembly Required	



This L3Harris vehicular X-wing antenna is a bolt-on, dual-mode antenna designed for On-The-Move operations. This ruggedized, low-profile solution provides 50 watts maximum power with a high-angle circular polarized SATCOM mode and low-angle linear polarized mode for Line-Of-Sight. Two connector ports are located on the bottom of the antenna, type N female for high-angle and TNC (F) for low-angle. No antenna assembly is required, supporting rapidly deployed connectivity.

RADIATION PATTERNS OVER AVERAGE GROUND



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