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AM-480 CAVITY-BACKED SPIRAL ANTENNA

The AM-480 is a planar, cavity-backed, spiral antenna operating from 2-18 gigahertz. Left-hand circular polarization is standard, but right-hand circular polarization is also available. This antenna is ideally suited to electronic support measure applications due to its unit-to-unit uniformity and broadband frequency characteristics.

The AM-480 antenna can be amplitude tracked on a 100 percent basis versus factory standards, ensuring interchangeability at the system level. This characteristic makes the AM-480 antenna an ideal element for array and direction-finding applications. Integrated radomes offer element protection and meet high-velocity rain impact specifications.

ELECTRICAL	
Frequency range	1.0-18.0 GHz
VSWR	2.5:1 nom
Gain	+1.0 dBli nom
Gain tracking	±1.0 dB on axis
Beam width (3 dB)	75° ±15° typical
Polarization	Circular, LHCP or RHCP available
Axial ratio boresight	≤2.0 dB
Power handling	1 W CW
MECHANICAL	
Connector	SMA female in line with boresight
Weight	5 lb 2 oz.
Finish	Exterior of antenna made from No. 316 stainless steel except for radome, connector and hardware
Option	LHCP or RHCP available



KEY FEATURES

- > Designed for high-pressure applications
- > Extended frequency range
- > Amplitude tracking
- > Stainless-steel housing

For further details and specifications, contact the factory at antenna.info@L3Harris.com

AM-480 Cavity-backed Spiral Antenna

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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.



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