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# AM-440 CAVITY-BACKED SPIRAL ANTENNA

The AM-440 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-440 antenna can be amplitude tracked on a 100% basis versus factory standards, ensuring interchangeability at the system level. This characteristic makes the AM-440 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	2.0 to 18.0 GHz
VSWR	3.0:1 nom
Gain	+1.0 dBli nom
Gain tracking	±1.0 dB on axis
Beam width (3 dB)	75° ±15° typ
Polarization	Circular, LHCP or RHCP available
Axial ratio boresight ±45°	≤1.5 dB on axis ≤3.0 dB
Squint	±5°
Power handling	1 watt CW
MECHANICAL	
Connector	SMA female at 40° angle to boresight
Weight	4.3 oz.
Finish	Semigloss black enamel on epoxy base primer
Option	LHCP or RHCP available



## KEY FEATURES

- > Broadband spiral design
- > Polarization and radome options
- > Rugged design

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

### AM-440 Cavity-Backed Spiral Antenna

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1025 W. NASA Boulevard  
Melbourne, FL 32919