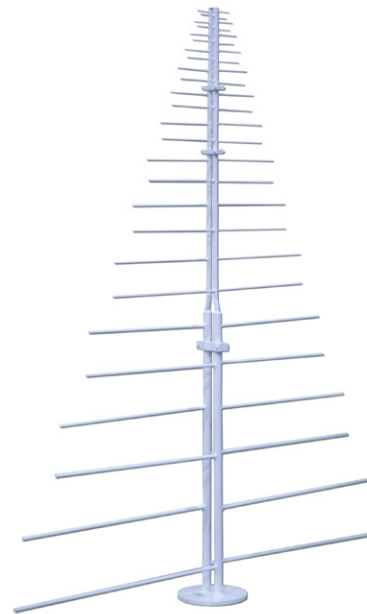


Log-Periodic Antennas



ANT-LPA



FEATURES

- Broadband Performance
- Linear Polarization
- Constant Gain

IDEAL FOR

- Compliance Testing
- Radiated Emissions
- VHF and UHF Source Antenna

DESCRIPTION

NSI-MI Technologies' Linear Polarized Log-Periodic Antennas (ANT-LPA) are dipole arrays designed to have nearly constant gain and input impedance over a broad frequency range. A mounting flange is located at the base of the array for easy attachment to positioning systems.

INCLUDES

- ANT-LPA Log-Periodic Antenna
- User Manual

AVAILABLE ADD-ONS

- Mounting Hardware

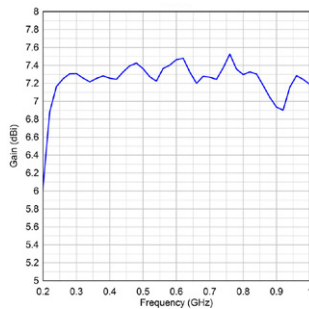
SPECIFICATIONS

Model	Frequency Range (GHz)	Nominal Gain (dBi)	Average Power (W)	Nominal Beamwidth* (deg)	Dimensions, H x W cm (in.)	RF Connector	Center of Gravity cm (in.)	Weight kg (lb)
ANT-LPA-0.1-1	0.1 - 1.0	8	200	60° E-Plane 120° H-Plane	180 x 152 (71 x 60)	N-Female	60 (24)	5 (11)
ANT-LPA-0.15-1	0.15 - 1.0	8	200	60° E-Plane 120° H-Plane	117 x 99 (46 x 39)	N-Female	27 (11)	3.6 (8)
ANT-LPA-0.2-1	0.2 - 1.0	8	200	60° E-Plane 120° H-Plane	81 x 74 (32 x 29)	N-Female	16.5 (6.5)	2.5 (5.5)
ANT-LPA-0.35-1	0.35 - 1.0	8	200	60° E-Plane 120° H-Plane	43 x 43 (17 x 17)	N-Female	5.08 (2)	1.8 (4)

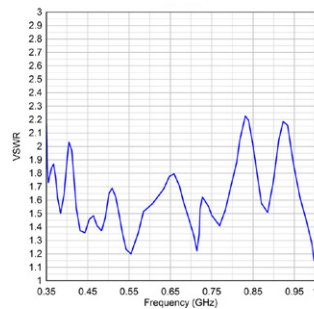
*Measured E and H-plane patterns can be provided.

TYPICAL MEASURED DATA

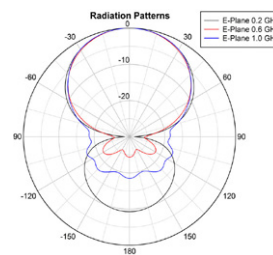
ANT-LPA-0.2-1 Gain



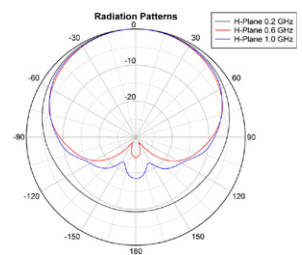
ANT-LPA-0.2-1 VSWR



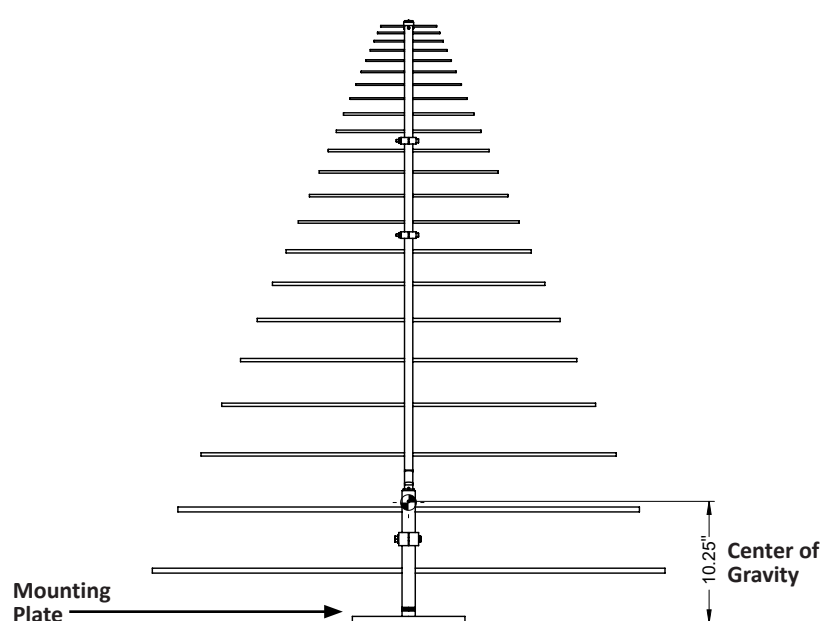
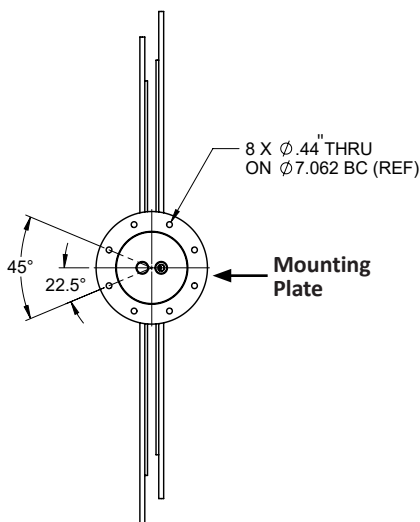
ANT-LPA-0.2-1 Radiation Patterns

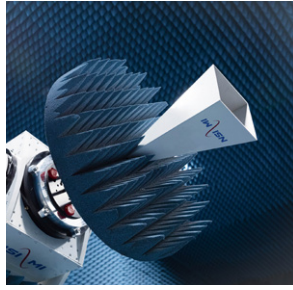
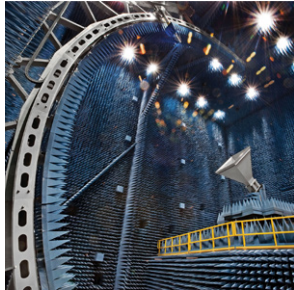
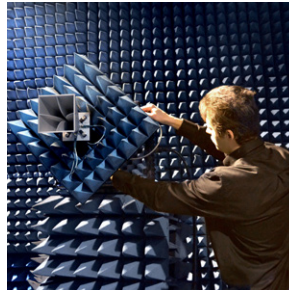
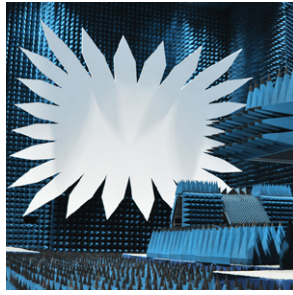
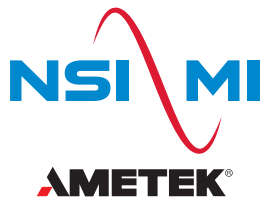


ANT-LPA-0.2-1 Radiation Patterns



ANT-LPA MOUNTING PLATE CONFIGURATION





Test
with
Confidence

LOCATIONS

1125 Satellite Blvd., Suite 100
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AMETEK NSI-MI Technologies introduced the world to microwave antenna measurement systems and is the preferred global supplier of antenna, radar cross section, and radome measurement solutions. Today, our innovative products, systems, and services lead the industry in setting new standards for tomorrow's performance. From world-class in-house testing facilities to delivering industry-leading turnkey systems, we provide the highest quality measurement products on the market.

Our full range of standard products and custom-designed systems are backed by our longstanding commitment to precision-engineered accuracy, reliability, and lasting performance. We provide the right solution for every RF measurement need and our worldwide network of service professionals are always available to offer support.

For more information on ordering AMETEK NSI-MI Technologies' products, applications or services please contact your nearest NSI-MI office. Our complete sales team information is available at: www.nsi-mi.com/contact-us

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