

## LOG PERIODIC DIPOLE ARRAY 3147 Log Periodic Dipole Array Antenna

ETS-Lindgren's Model 3147 Log Periodic Dipole Array is primarily designed for use with the FCC Part 15.



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This antenna is constructed of precision, corrosion-resistant nickel-plated brass tubing, for years of trouble-free indoor and outdoor use. In addition to the excellent VSWR, precision construction and assembly of the boom also results in an optimal phase relationship.

### Key Features

- Two Year Warranty
- Ultra Broadband
- Low VSWR
- High Gain
- Type N connector

### Specifications

#### Electrical Specifications

**Frequency Minimum:** 200 MHz

**Frequency Maximum:** 5 GHz

**Connectors:** Type N (f)

**Impedance (Nominal):** 50  $\Omega$

**Maximum Continuous Power:**

- 80 W at 1 GHz
- 40W at 5 GHz

**Peak Power:**

- 100.0 W at 1 GHz
- 50W at 5 GHz

**Pattern Type:** Directional

**Polarization:** Linear

**VSWR** 1.25:1 Average; 1.7:1 Maximum

## Physical Specifications

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**Height:** 7.6 cm (3.0 in)

**Length:** 88 cm (34.7 in)

**Width:** 97 cm (38.2 in)

**Weight:** 4.2 kg (9.4 lb)

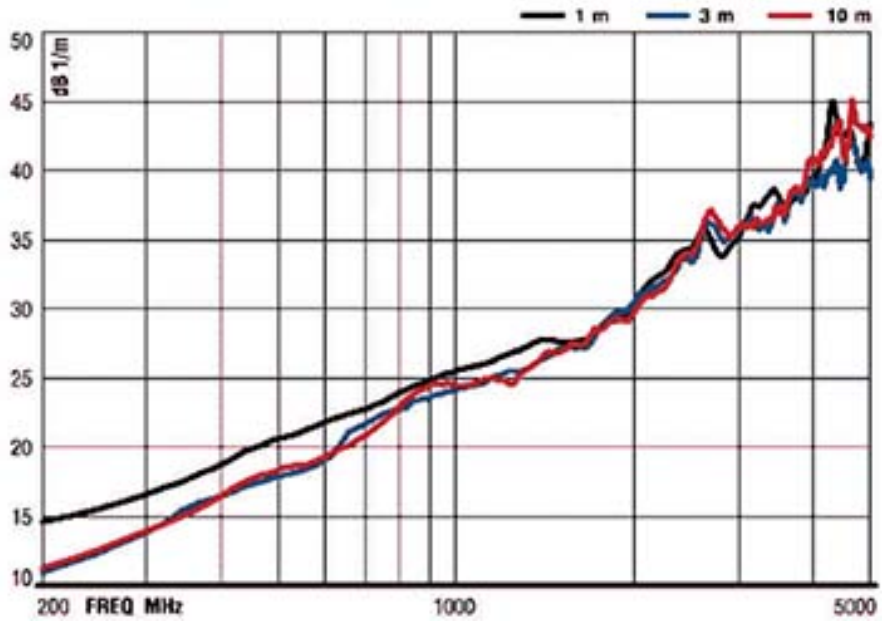
## Other Specifications

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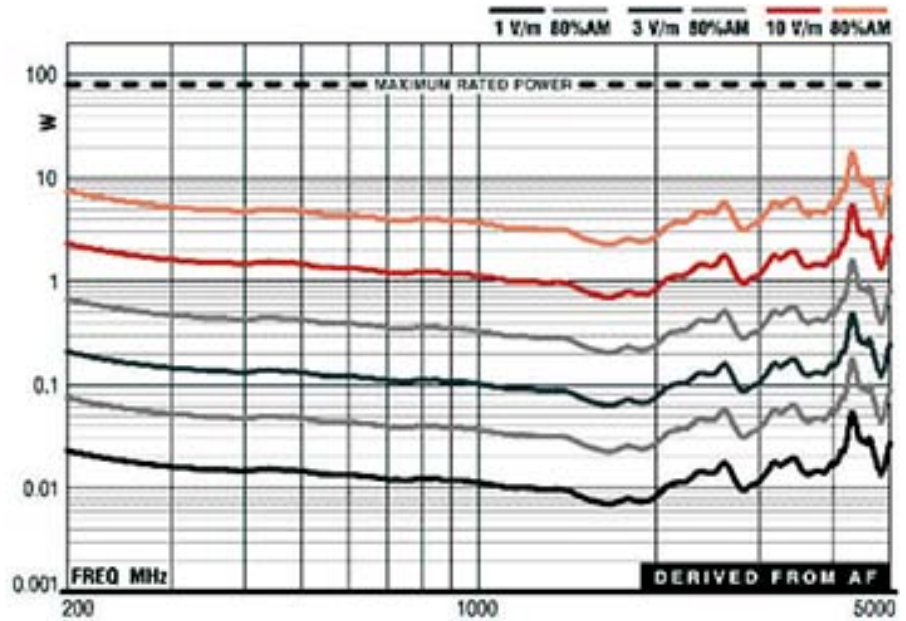
- Antenna
- Individually Calibrated at 1 m per SAE ARP 958
- Actual antenna factors and a signed Certificate of Calibration Conformance provided.
- Manual

Product Charts

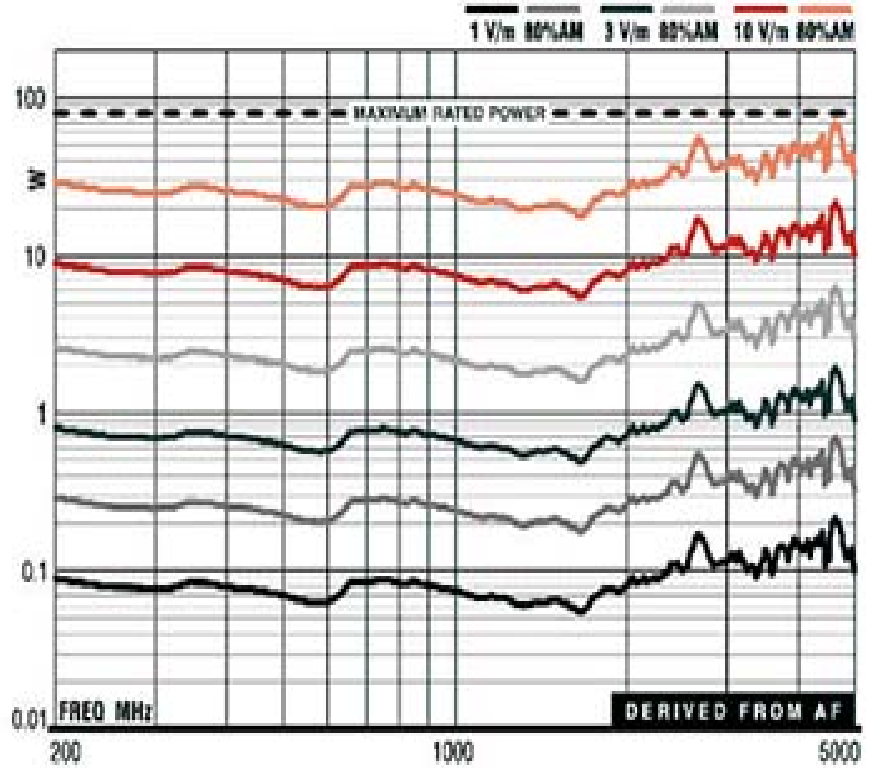
3147 Log Periodic Dipole Array Antenna  
Antenna Factor



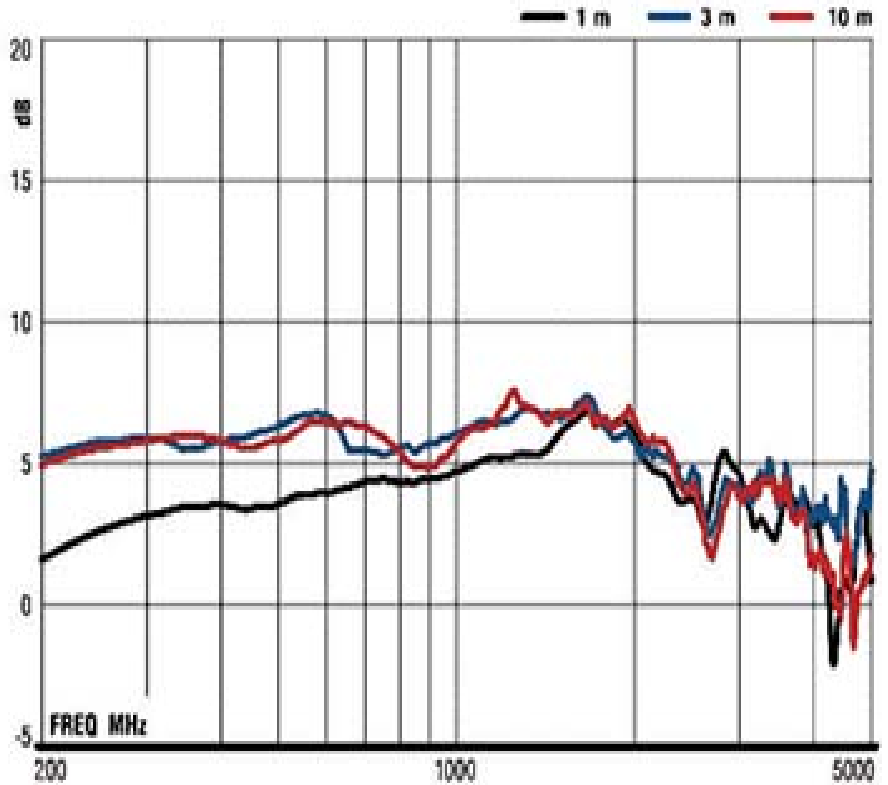
3147 Log Periodic Dipole Array Antenna  
Forward Power at 1 m



3147 Log Periodic Dipole Array Antenna Forward Power at 3 m



3147 Log Periodic Dipole Array Antenna Gain



**3147 Log Periodic Dipole Array Antenna  
VSWR**

