

LOG PERIODIC DIPOLE ARRAY 3150B Dual Stacked LPDA Antenna

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Key Features

- 80 MHz to 1 GHz Frequency Range
- Avg. 2:1 VSWR Across Range
- Up to 5 kW Maximum Input Power
- Suitable for Immunity Testing
- Individually Calibrated

Features

Frequency Range

The 3150B covers the 80 MHz to 1 GHz frequency range. This antenna can generate 200 V/m with less than 1 kW of input power at 1 m distance for the 100 MHz to 1 GHz range. When combined with ETS-Lindgren's 3159 or 3158 High Power Biconical Antennas, the 3150B becomes integral part of ETS-Lindgren's high severity level immunity solution.

Low VSWR

The Model 3150B's average VSWR is 2:1 across the frequency range. This antenna comes fitted with a 7/16 DIN coaxial connector, which can handle 3 kW at 1 GHz and up to 5 kW of input power at 80 MHz.

Applications

The Model 3150B generates high fields as required in automotive EMC applications per standards such as ISO 11541-2 or MIL-STD susceptibility testing. Additionally, this antenna can be used as a receive antenna.

Specifications

Electrical Specifications

Frequency Minimum: 80 MHz

Frequency Maximum: 1 GHz

Impedance (Nominal): 50 Ω

Maximum Continuous Power: 5 kW @ 80 MHz, 3 kW @ 1 GHz

Pattern Type: Directional

Polarization: Linear

Connectors: 7/16 DIN Receptacle

VSWR Ratio: (AVG) 2:1

Physical Specifications

Width 209.0 cm (82.3 in)

Depth 150.4 cm (59.2 in)

Height 203.2 cm (80.0 in)

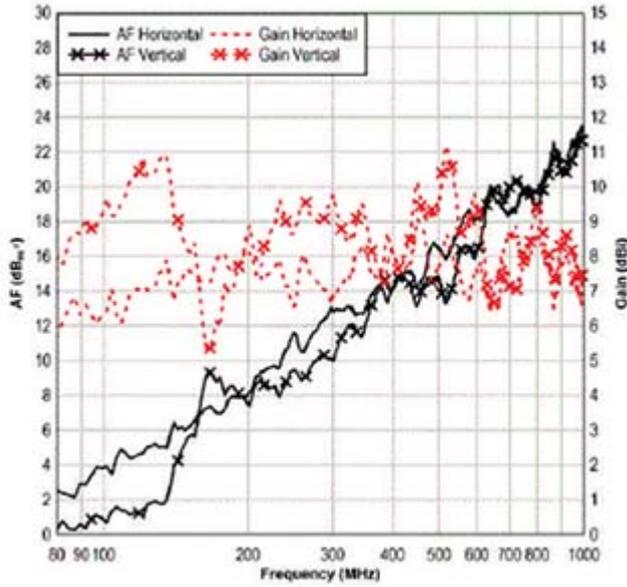
Weight 10.6 kg (23.4 lb)

Other Specifications

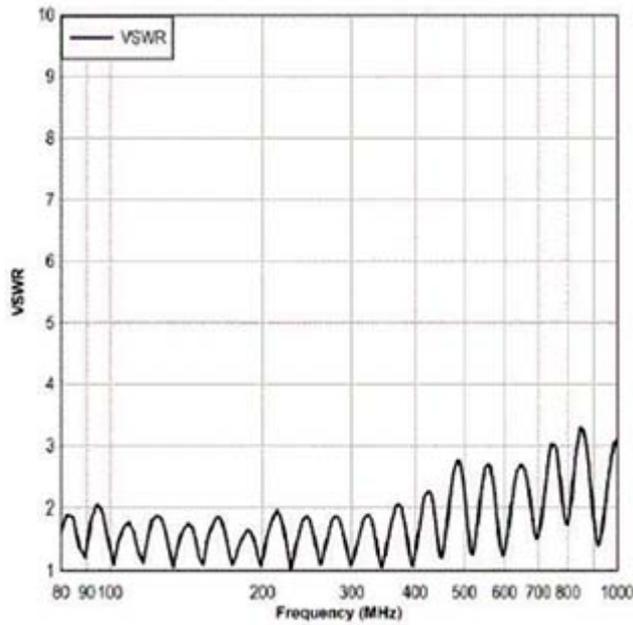
- Antenna Assembly (Antenna Ships Disassembled)
- Mount for ETS-Lindgren 7-TR Tripod
- Individually Calibrated at 3 m per SAE ARP 958 at our A2LA Accredited Lab
- Actual Antenna Factors and a Signed Certificate of Calibration Conformance Included in Manual
- Manual

Product Charts

3150B Dual Stacked LPDA Antenna Typical Antenna Factors and Gain



3150B Dual Stacked LPDA Antenna VSWR



3150B Dual Stacked LPDA Antenna Typical Average Power Required with Test Bench and Probe 30 cm Above

