

BICONILOGS 3140B Hybrid Log Periodic and Bowtie (BiConiLog)

ETS-Lindgren's Model 3140B BiConiLog™ is one in a series of hybrid antennas designed for broadband EMC radiated immunity (RI) measurements.



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The Model 3140B BiConiLog is not designed to be used for RE (radiated emissions) measurements. For RE applications, ETS-Lindgren recommends the model 3142E Biconilog.

Key Features

- 26 MHz to 3 GHz Frequency Range
- Two Year Warranty
- Fits Compact Chambers
- Tough Powder Coat Finish
- Avg. 2:1 VSWR above 80 MHz
- Best EMC RI Performance from 26 MHz to 80 MHz ≤ 300 W to generate 10 V/m above 30 MHz at 3m, 80% AM

Specifications

Electrical Specifications

Frequency Minimum: 26 MHz
Frequency Maximum: 3 GHz
Connectors: Type N
Impedance (Nominal): 50 Ω
Maximum Continuous Power: 1 kW
Pattern Type: Directional
Peak Power: 1.3 kW
Polarization: Linear
VSWR (Average): 2.0:1

Physical Specifications

Height: 76.65 cm (30.18 in)

Length: 149.3 cm (58.78 in)

Width: 161.5 cm (63.58 in)

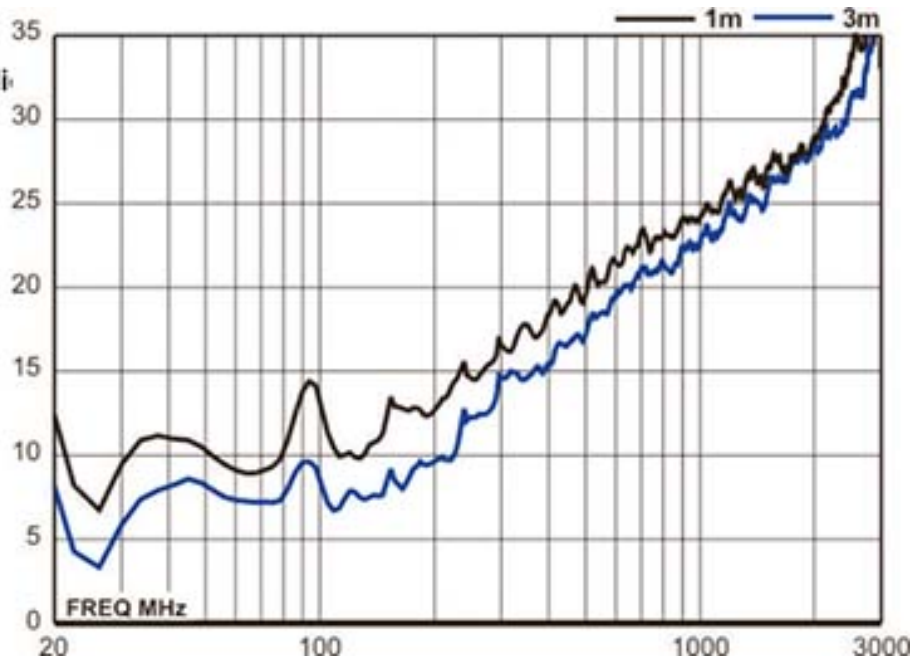
Weight: 10 kg (22.05 lb)

Other Specifications

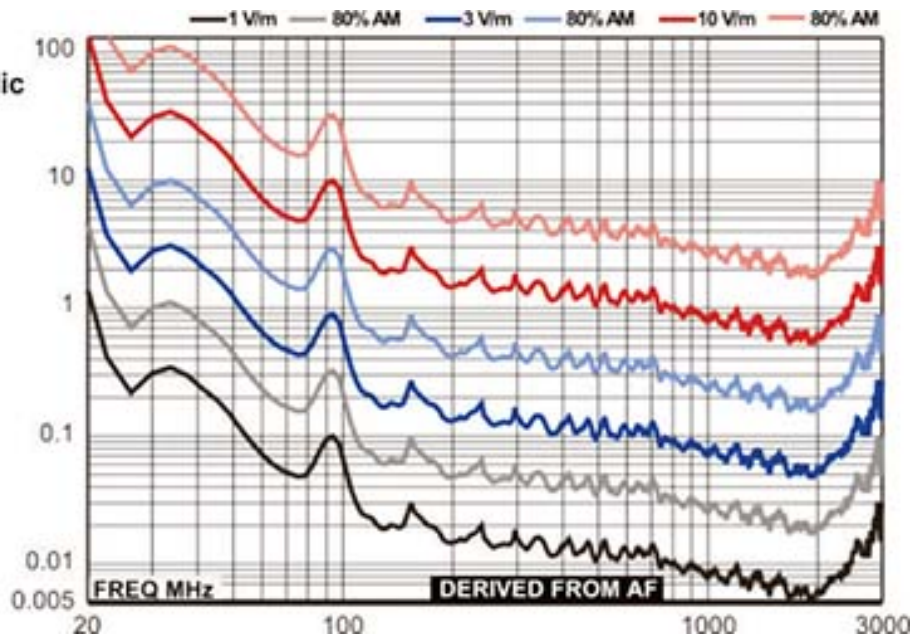
- Antenna and Antenna Elements
- Two Boom Adapters with Threaded Inserts
- Manual

Product Charts

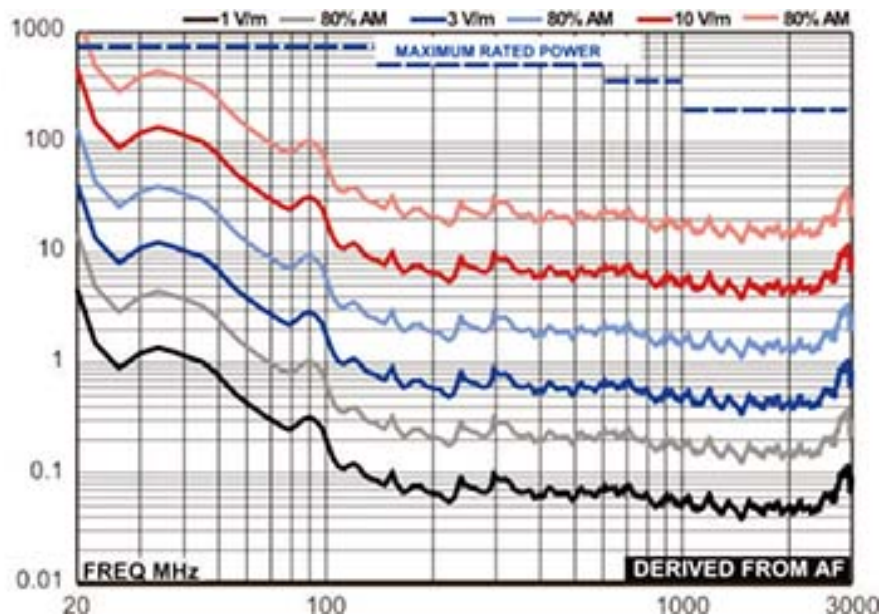
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Factor



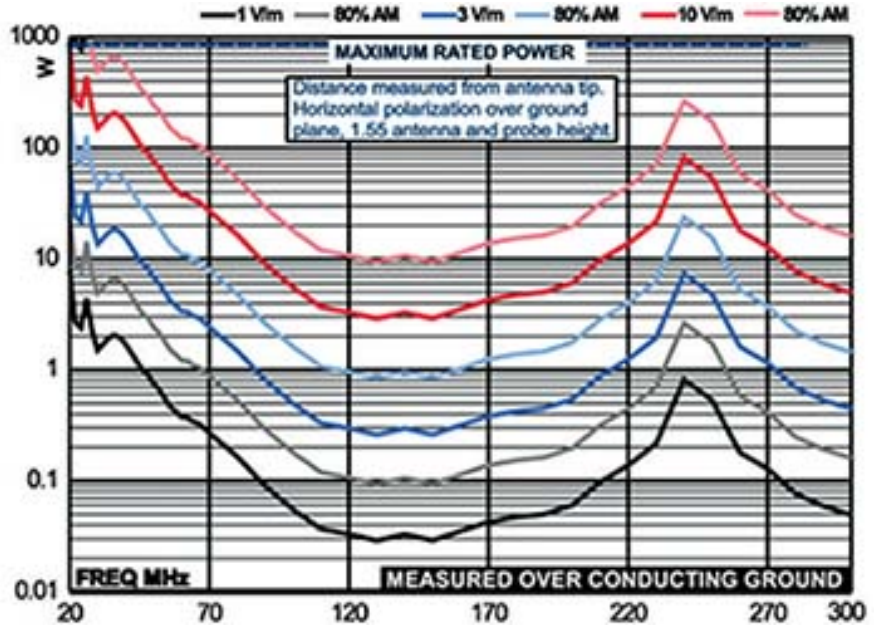
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Forward Power at 1 m



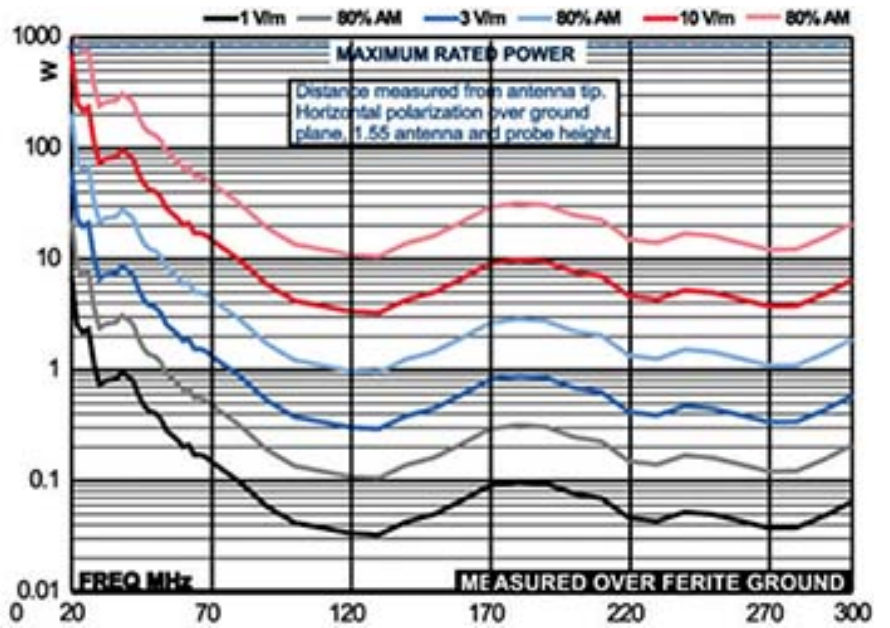
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Forward Power at 3 m



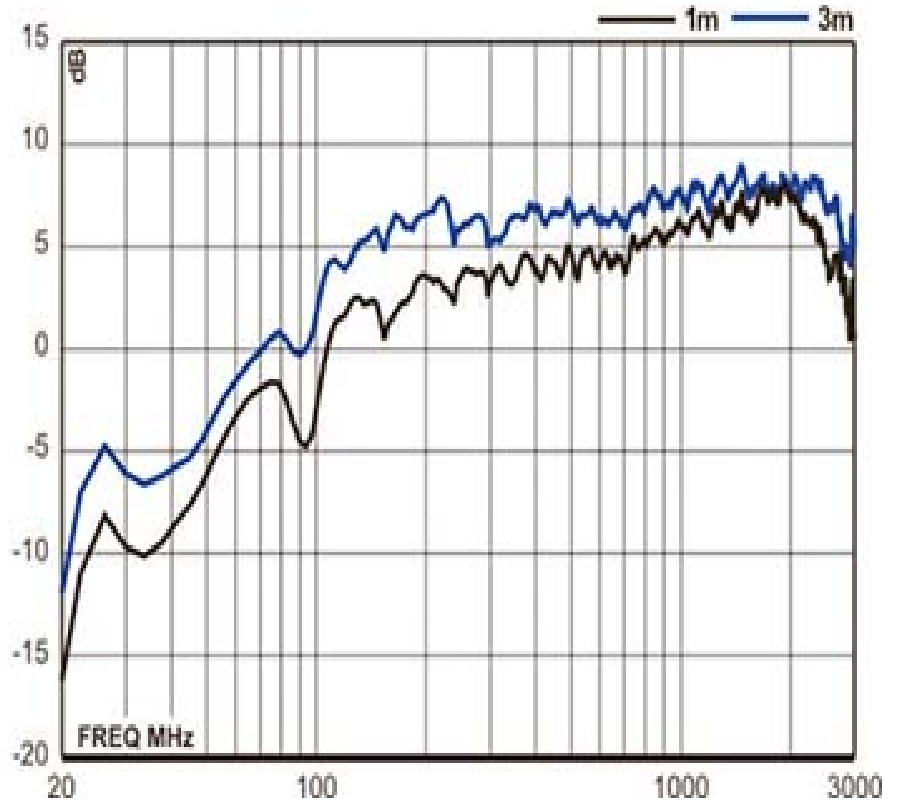
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna
Forward Power at 3 m Measured Over Conducting Ground



3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna
Forward Power at 3 m Measured Over Ferrite Ground



3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Gain



3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna VSWR

