

## 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  $\leq 300$  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  $\Omega$   
**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)

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**ETS-LINDGREN**  
 An ESCO Technologies Company

## Additional Specifications

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

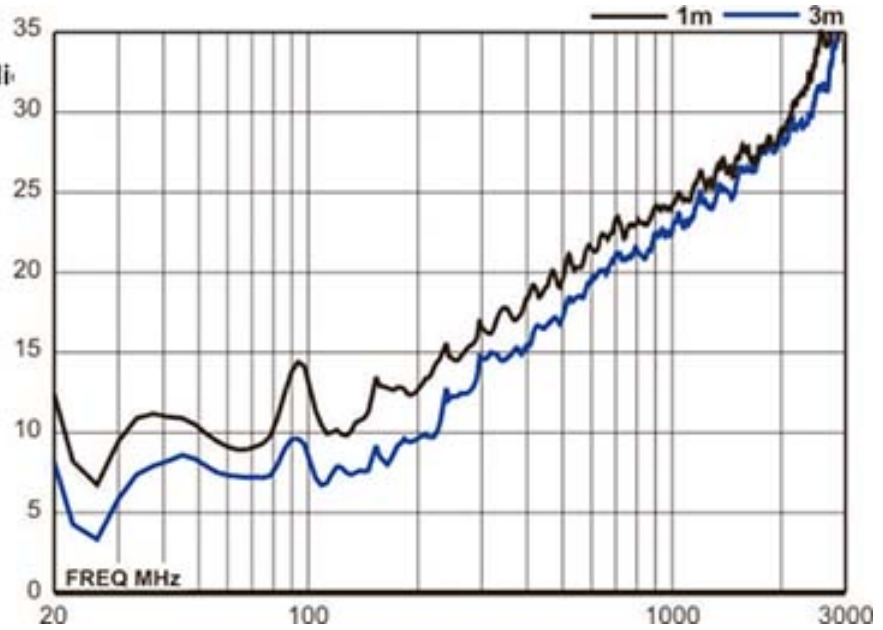
## Product Options

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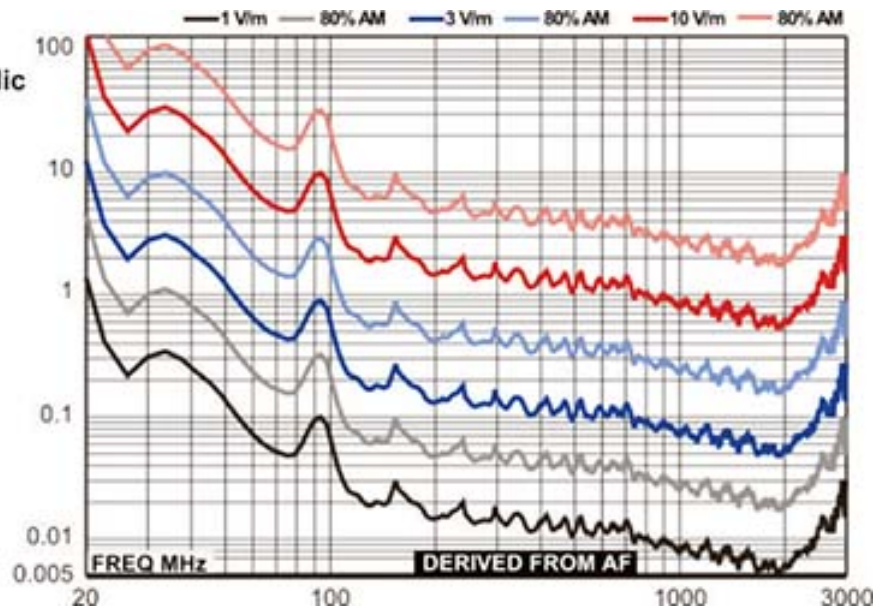
- Model 7-TR positioner with offset boom

Product Charts

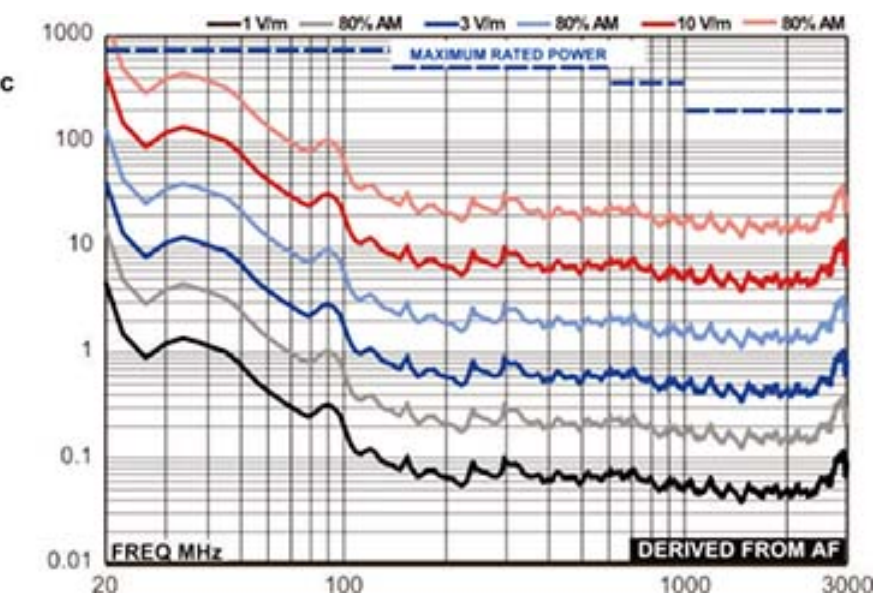
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Factor



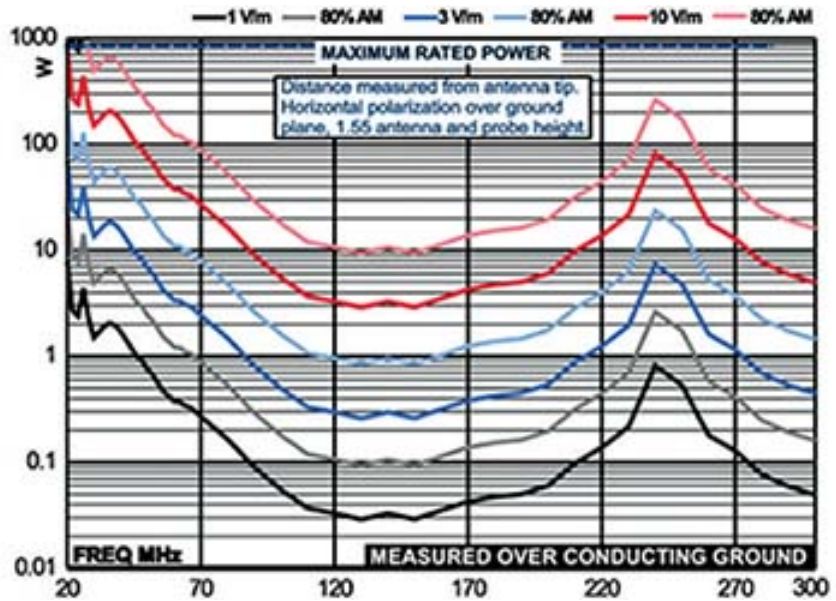
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Forward Power at 1 m



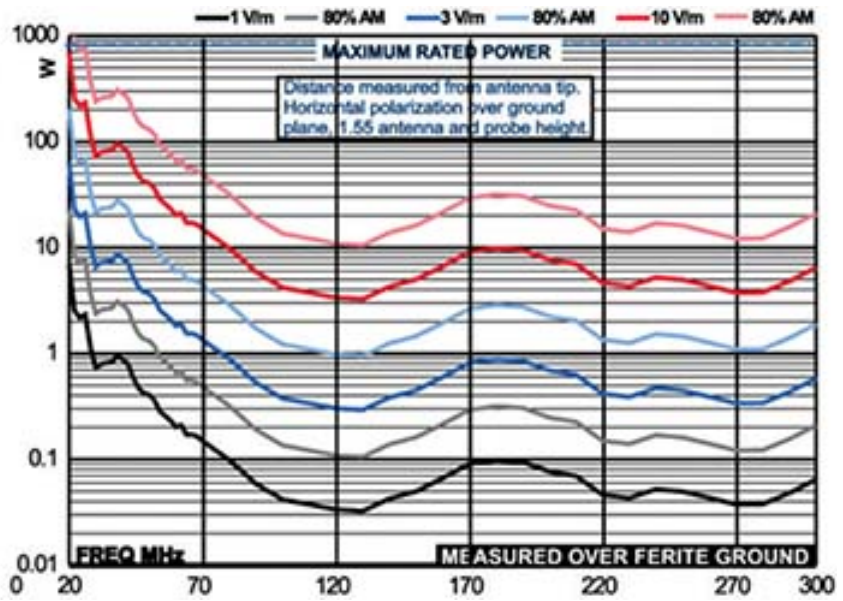
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna Forward Power at 3 m



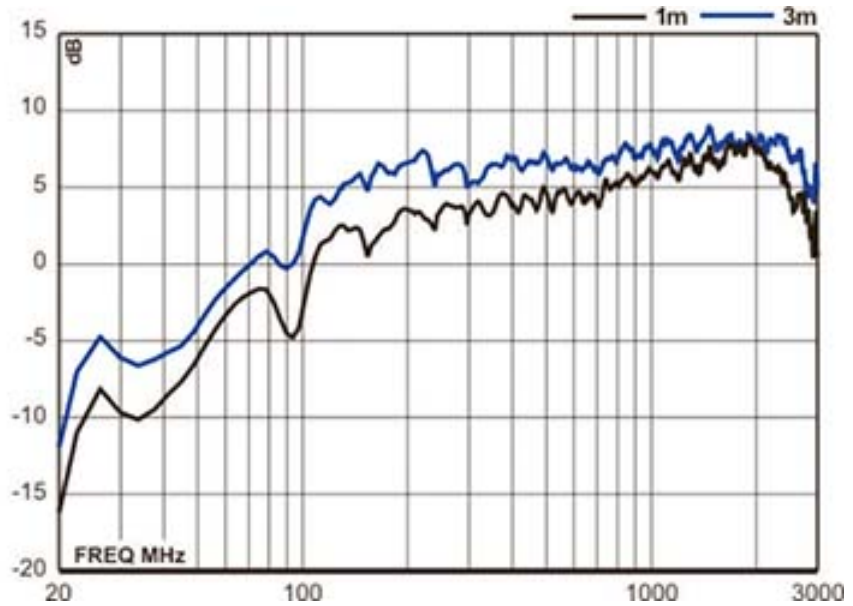
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna  
Forward Power at 3 m  
Measured Over  
Conducting Ground



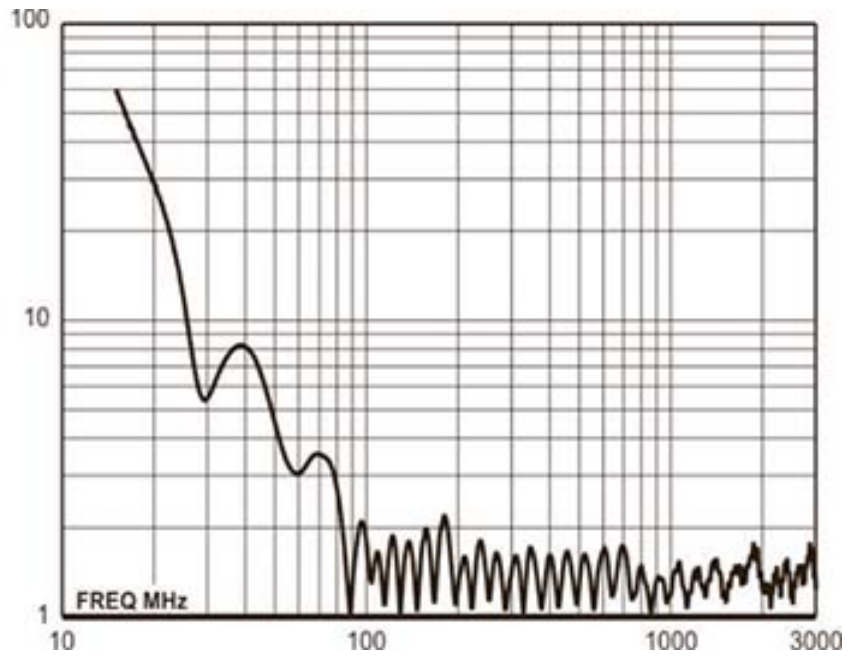
3140B Hybrid Log Periodic and Bowtie (BiConiLog) Antenna  
Forward Power at 3 m  
Measured Over  
Ferrite Ground



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



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



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