

EMC ANTENNA MODEL 3140B



MODEL 3140B

- 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

ETS-Lindgren's 3140B BiConiLog™ is one in a series of hybrid antennas designed for broadband EMC radiated immunity (RI) measurements. The model 3140B BiConiLog features a patented T-Bow Tie element design that significantly improves low frequency performance, compared to conventional biconical or other hybrid antennas. When setting up the model 3140B, the T-Bow Tie elements are easily attached/detached with hand tightened screw knobs. Once assembled, the antenna is self-standing when placed balun end down on the ground plane. A tough powder coat finish protects the antenna.

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.

Standard Configuration

- AntennaElement™
- Balun
- Manual
- Two boom adapters with thread inserts

Options

- ETS-Lindgren Offers Several Non-metallic, Non-reflective Tripods for use at EMC Test Sites

Technical Specifications

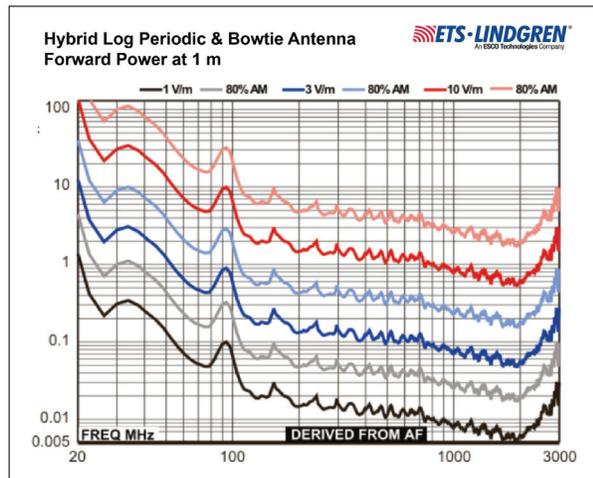
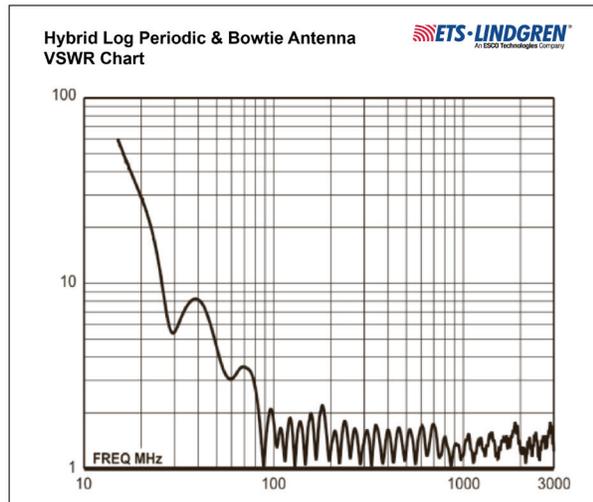
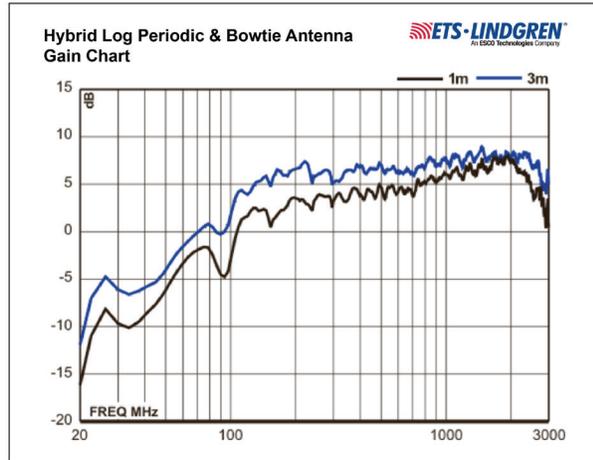
Electrical

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

Physical

Height	76.65 cm (30.18 in)
Width	161.5 cm (63.58 in)
Length	149.3 cm (58.78 in)
Weight	10 kg (22.05 lb)

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