

## 3104C BICONICAL ANTENNA

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ETS-Lindgren's Model 3104C Biconical Antenna has a traditional coaxial wound balun, which provides a broad frequency range and moderate gain for both transmitting and receiving. This antenna may be used for radiating immunity measurements provided that the input power is limited to no more than 100 W peak.

ETS-Lindgren is the only manufacturer to offer optional extended elements. These elements are twice as long as standard elements and enable users to generate high fields at low frequencies with less than 25% of the power usually required.

### Key Features

- Frequency Range 20 MHz to 200 MHz
- Compact Size for Use in Limited Space
- Quality Construction for Trouble-Free Service
- Unique Element Design Improves Performance
- Peak Power Handling Capability Up to 100 W

### Specifications

#### Electrical Specifications

Frequency Minimum: 20 MHz  
Frequency Maximum: 200 MHz  
Connectors: Type N (f)  
FS-600 High Performance Hybrid Ferrite Tile Polyurethane Dielectric: 200 MHz  
Impedance (Nominal): 50  $\Omega$   
Maximum Continuous Power: 50 W  
Peak Power: 100 W  
VSWR (AVG): 2.8:1  
Pattern Type: Omnidirectional  
Polarization: Linear

#### Physical Specifications

Depth: 81.3 cm (32.01 in)  
Width: 143.5 cm (56.50 in)  
Weight: 2.7 kg (5.95 lb)

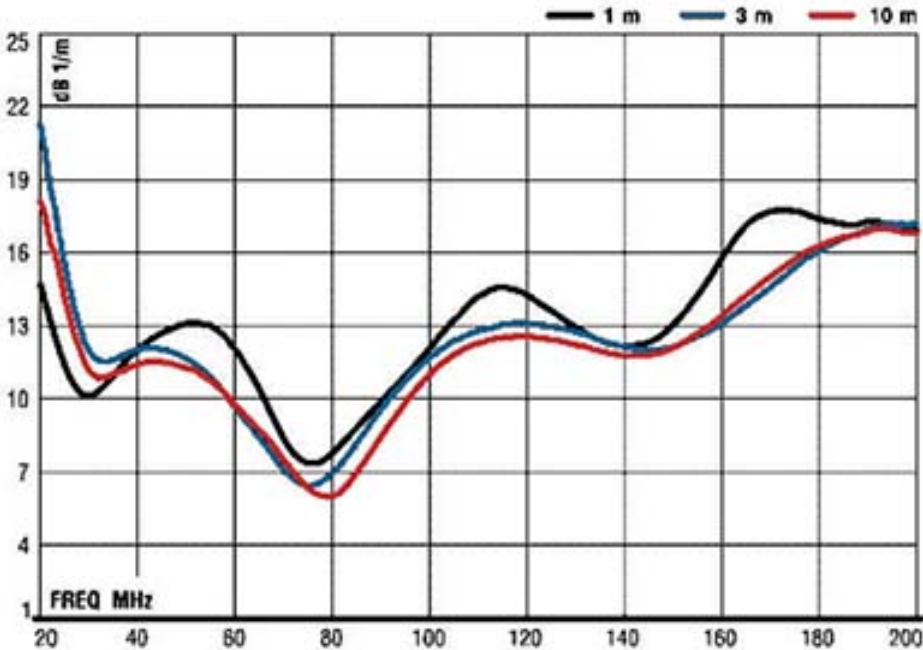
## Other Specifications

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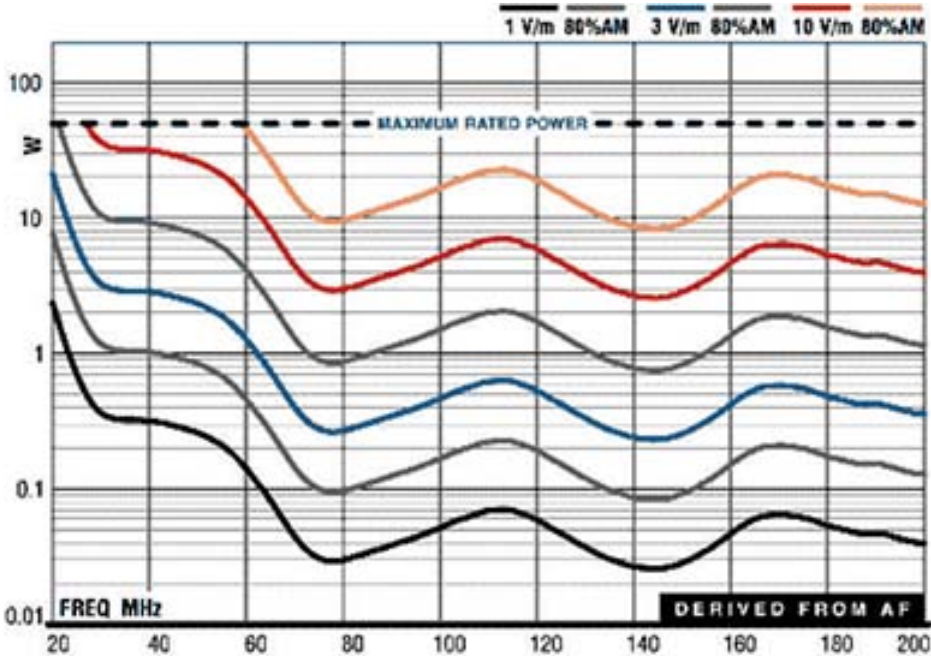
- Antenna with Balun and Antenna Elements
- Separate Mounting Adapter to Accept ETS-Lindgren or Other Tripod Mounts with Standard 1/4 in 20 Threads
- Individually calibrated at 1 m per SAE ARP 958 and 10 m per ANSI C63.5
- Actual Antenna Factors and a Signed Certificate of Calibration Conformance

Product Charts

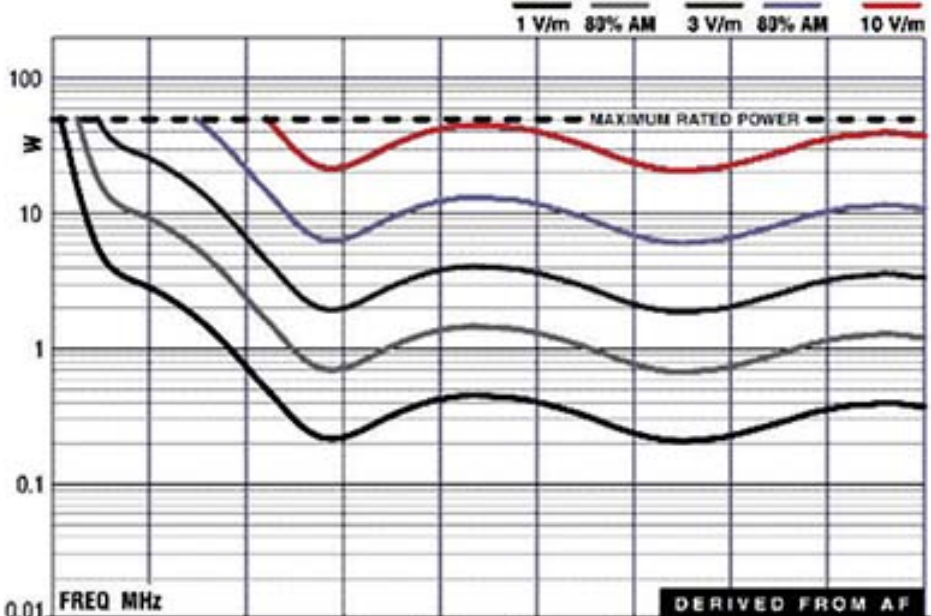
3104C Biconical Antenna Factor



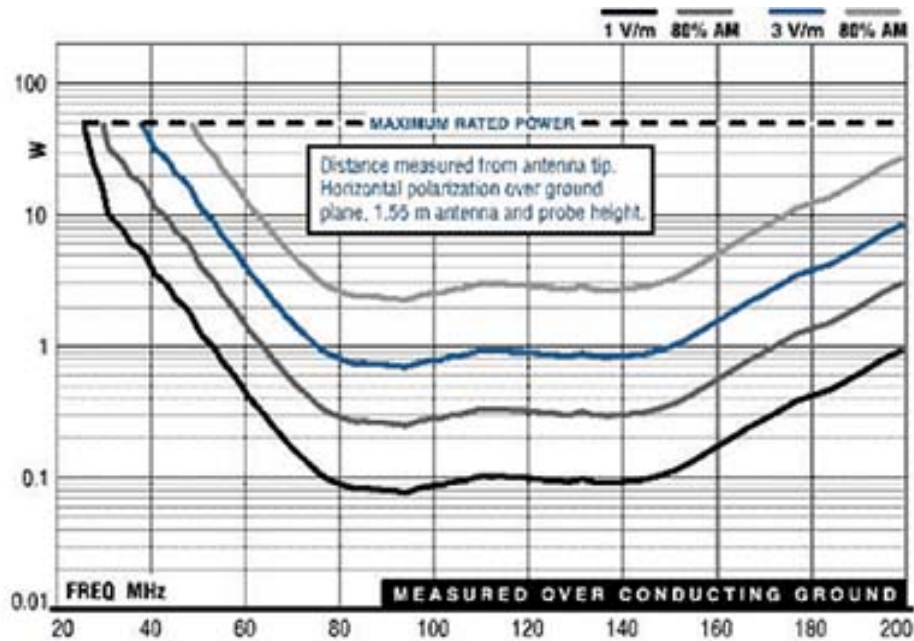
3104C Forward Power at 1 m



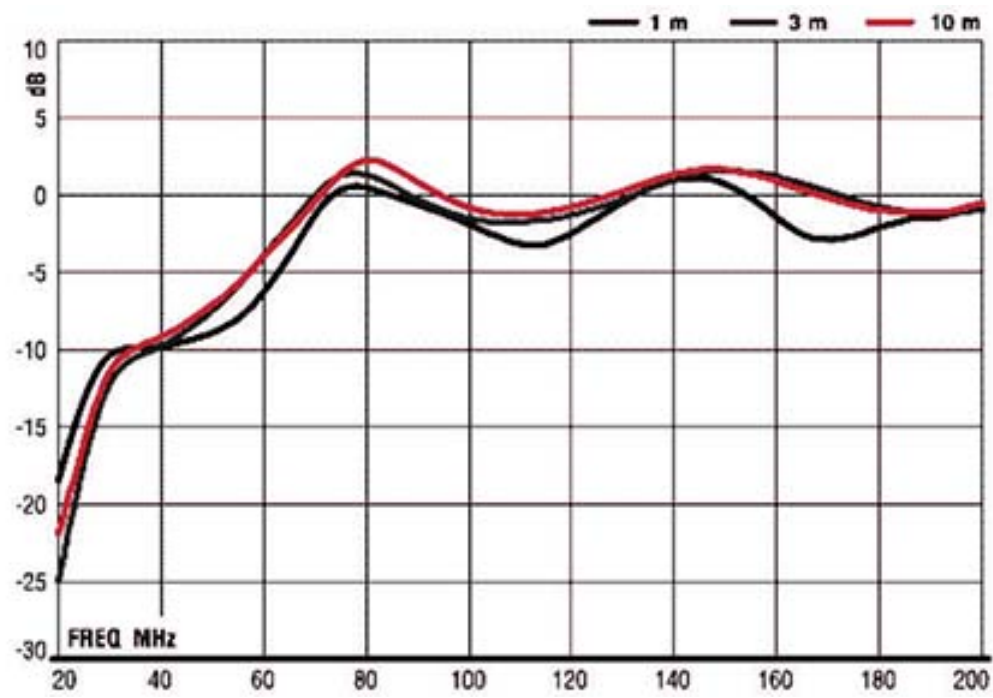
3104C Forward Power at 3 m



3104C Forward Power at 3 m



3104C Gain



3104C Half Power Beamwidth

