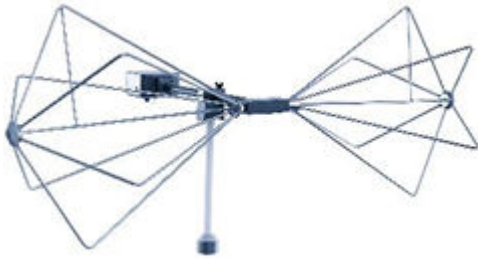


## 3104C BICONICAL ANTENNA

The Model 3104C Biconical Antenna has a traditional coaxial wound balun, which provides a broad frequency range and moderate gain for both transmitting and receiving.



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)

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 An ESCO Technologies Company

## Additional 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

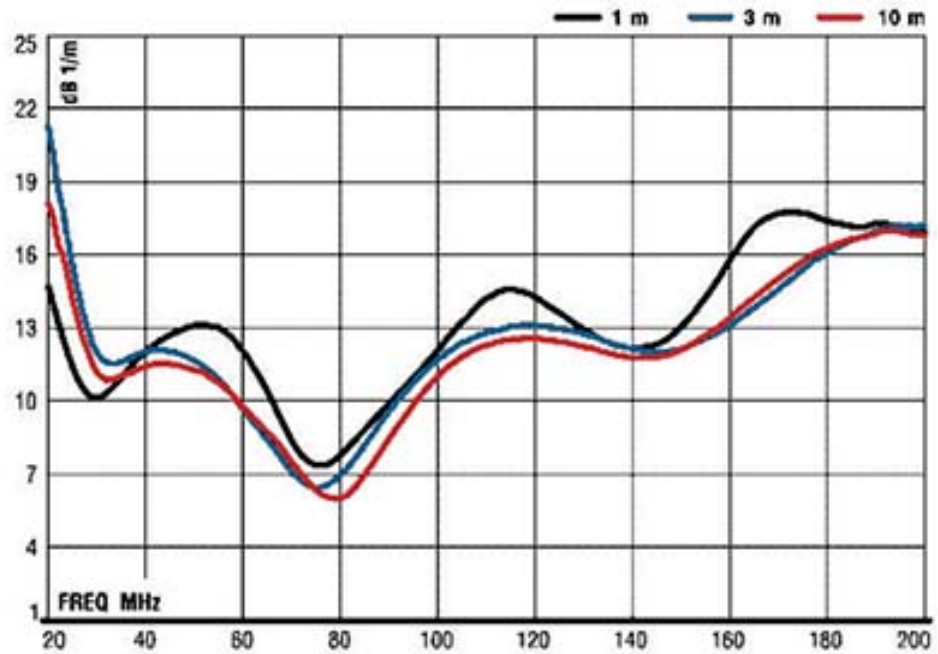
## Product Options

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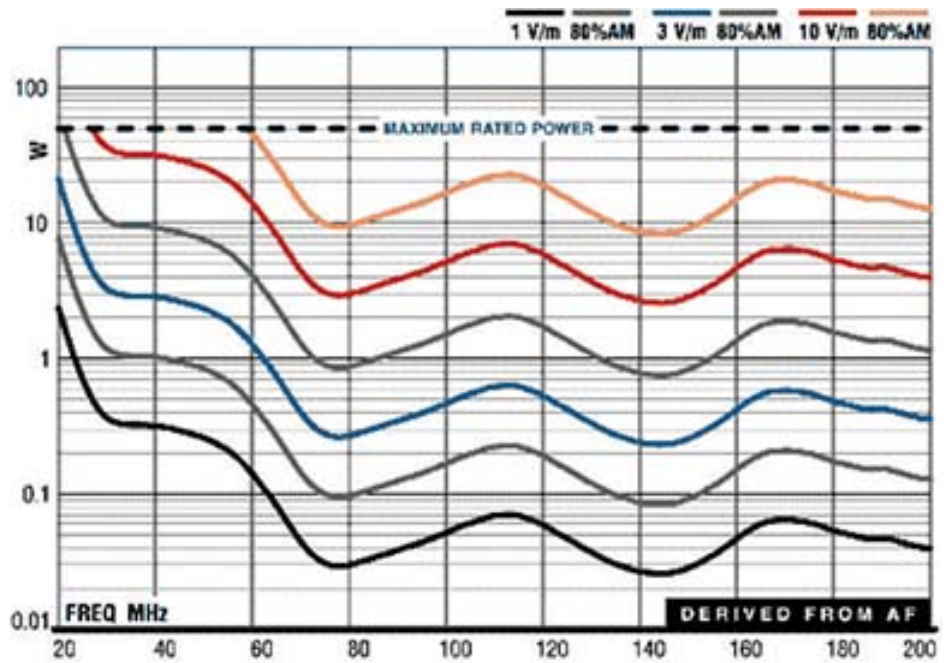
- Support Rod

Product Charts

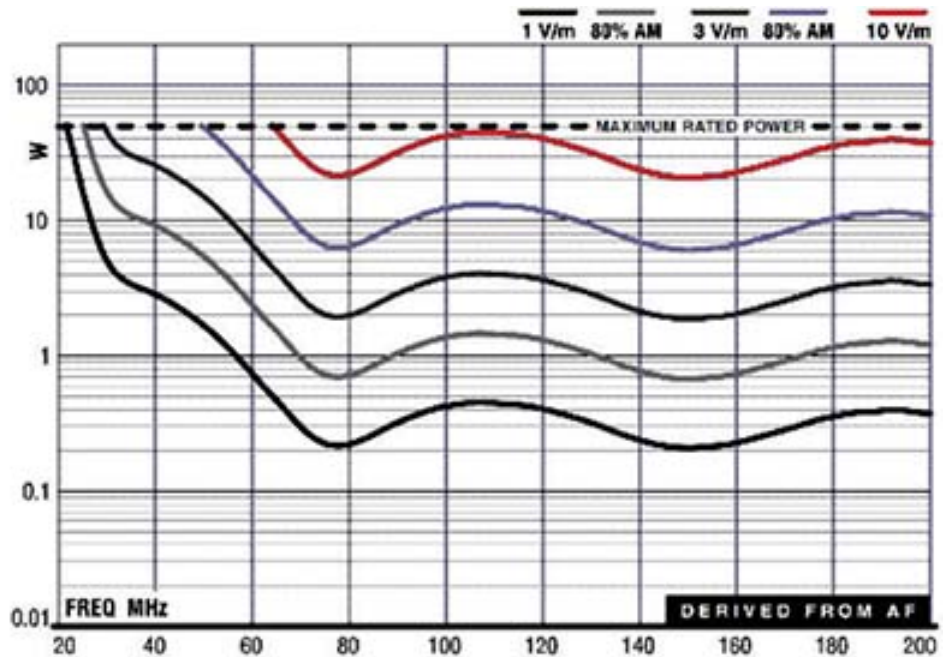
3104C Biconical Antenna Factor



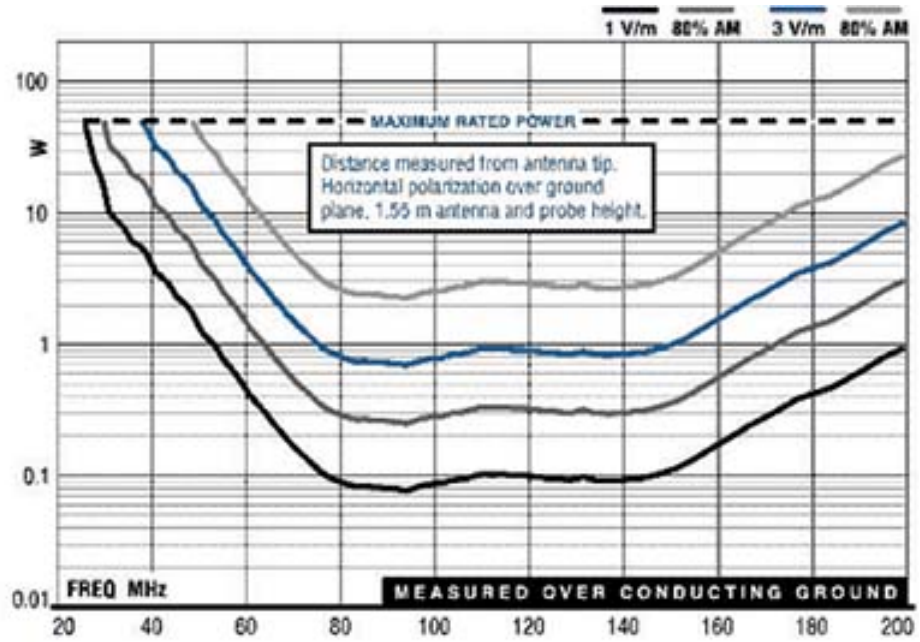
3104C Forward Power at 1 m



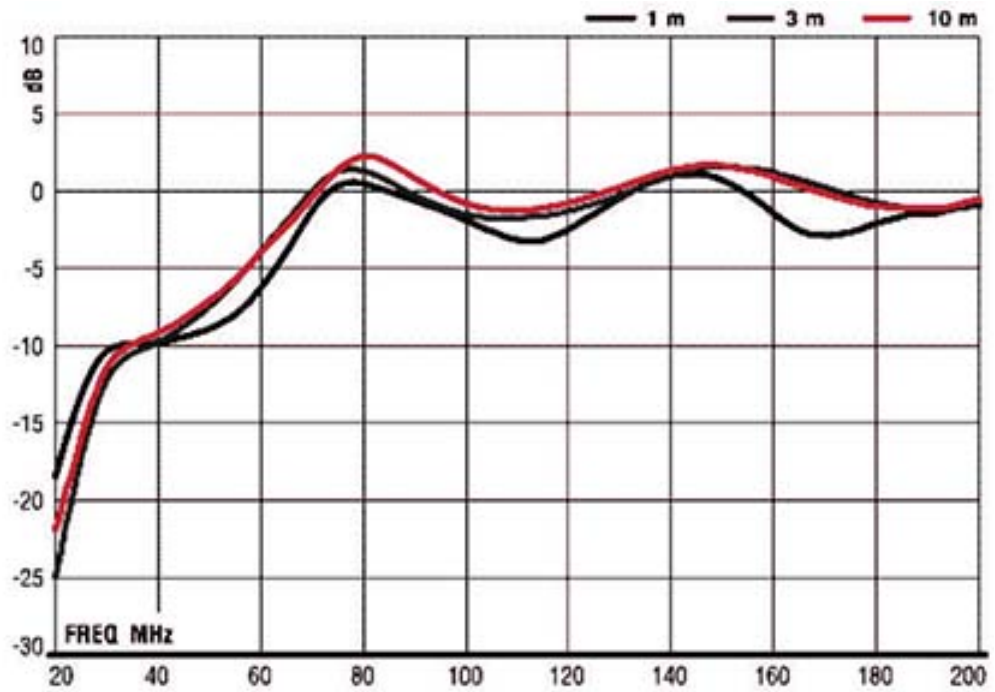
3104C Forward Power at 3 m



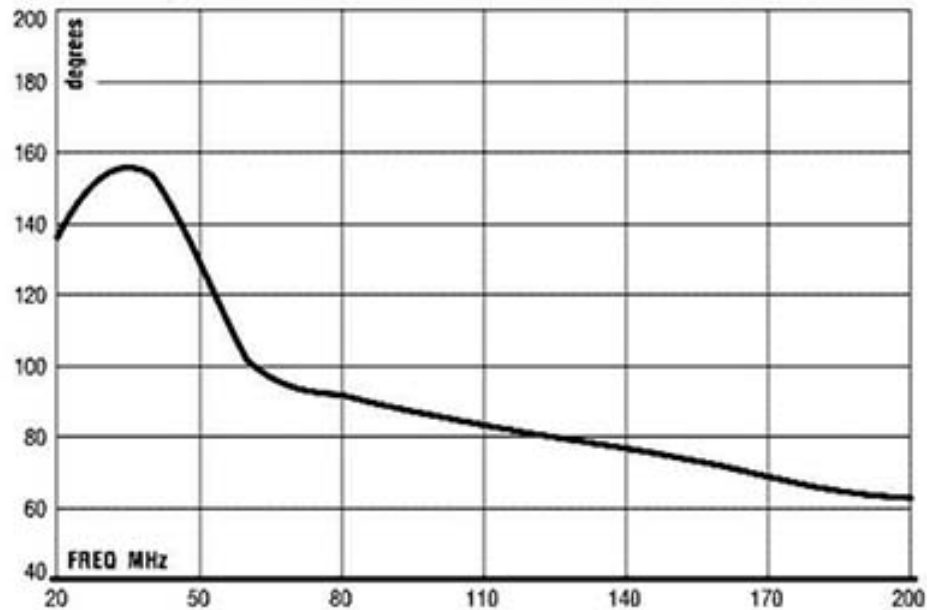
**3104C Forward Power at 3 m**

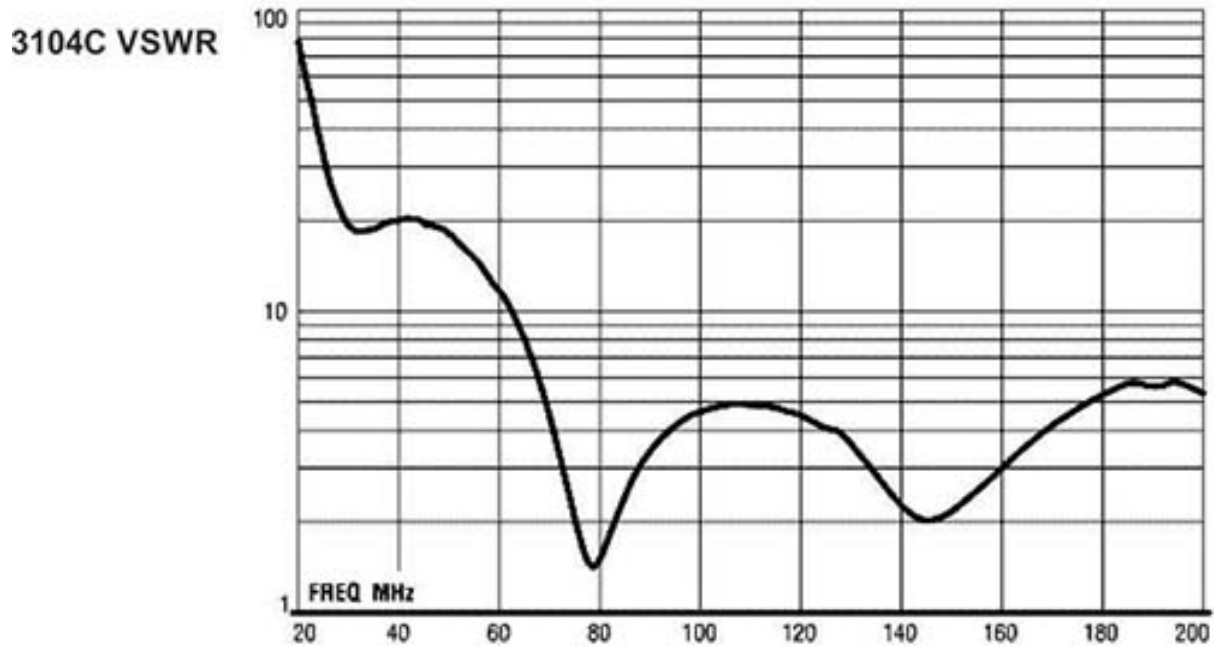


**3104C Gain**



**3104C Half Power Beamwidth**





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