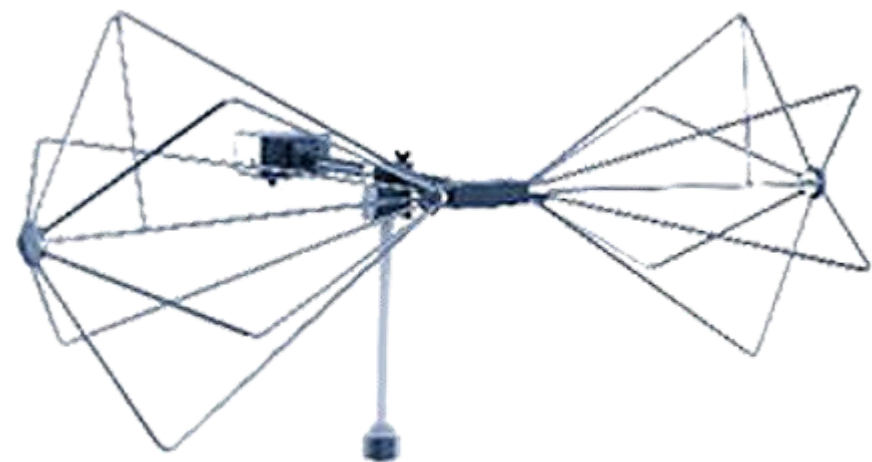


# 3104D Biconical Antenna



ETS-Lindgren's Model 3104D 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

### Physical Specifications

Depth: 81.3 cm (32.0 in)  
Width: 133.7 cm (52.6 in)  
Weight: 2.7 kg (5.95 lb)

### Electrical Specifications

Frequency Minimum: 20 MHz  
Frequency Maximum: 200 MHz  
Connectors: Type N (f)  
Impedance (Nominal): 50  
Maximum Continuous Power: 50 W  
Peak Power: 100 W  
VSWR (AVG): 2.8:1  
Pattern Type: Omnidirectional  
Polarization: Linear

### Product Options

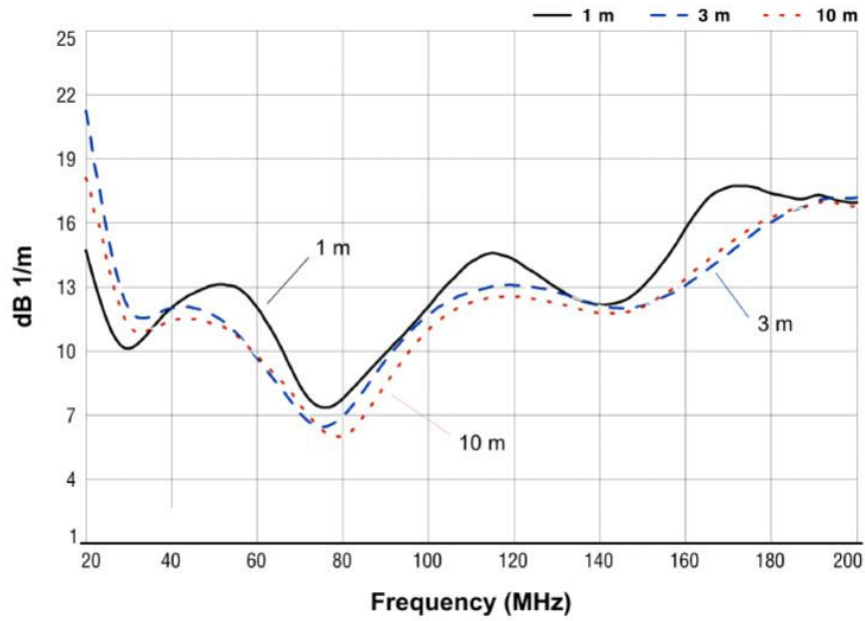
- Support Rod

### Product Configuration

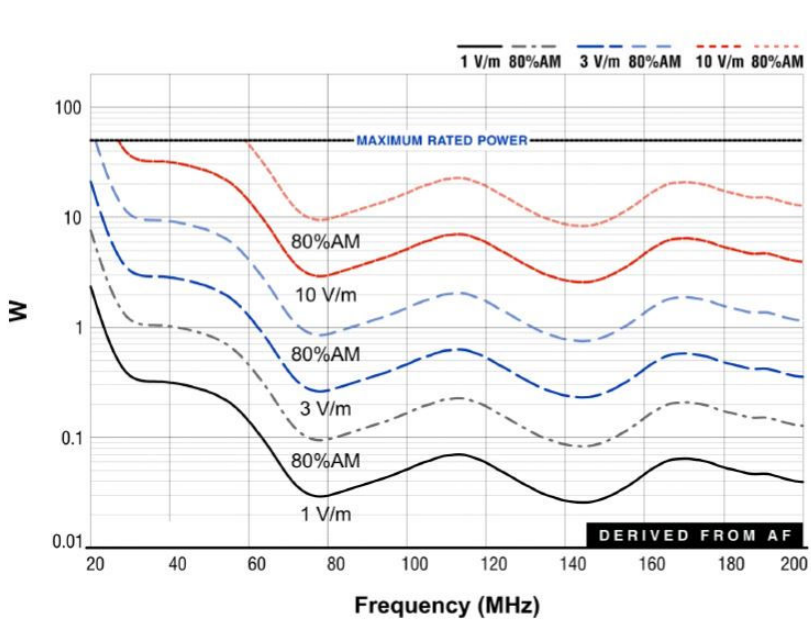
- Antenna with Balun and Antenna Elements
- Separate Mounting Adapter to Accept ETS-Lindgren or Other Tripod Mounts with Standard 1/4 in 20 Threads
- Individually calibrated at 1 m per SAE ARP 958 and 10 m per ANSI C63.5

- Actual Antenna Factors and a Signed Certificate of Calibration Conformance

Charts

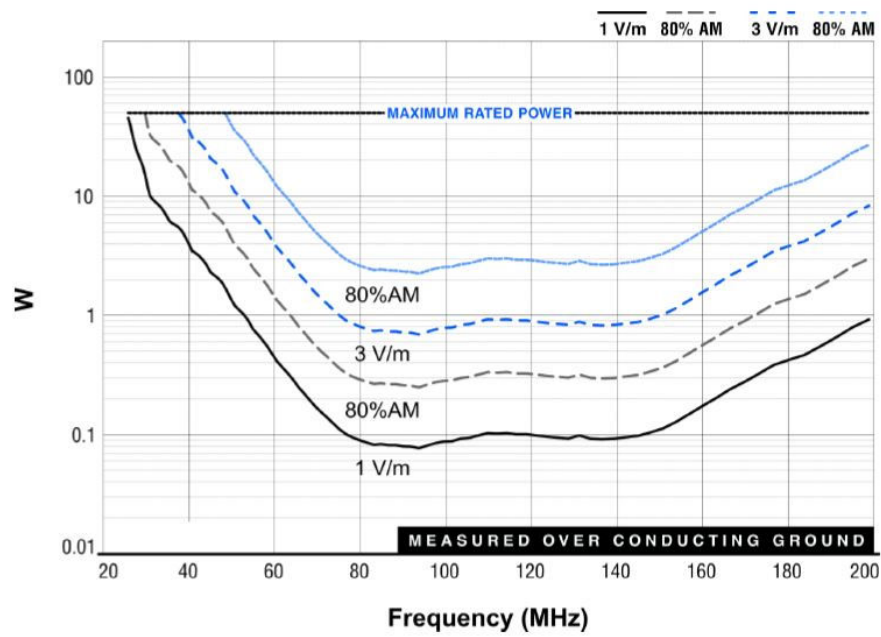


Model 3104D Antenna Factor

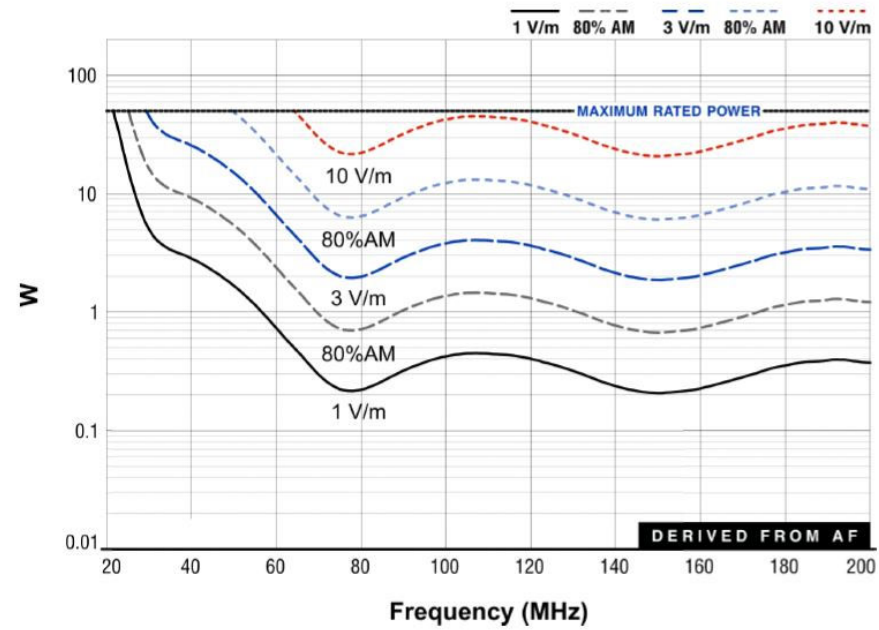


@ 1 M-DERIVED FROM AF

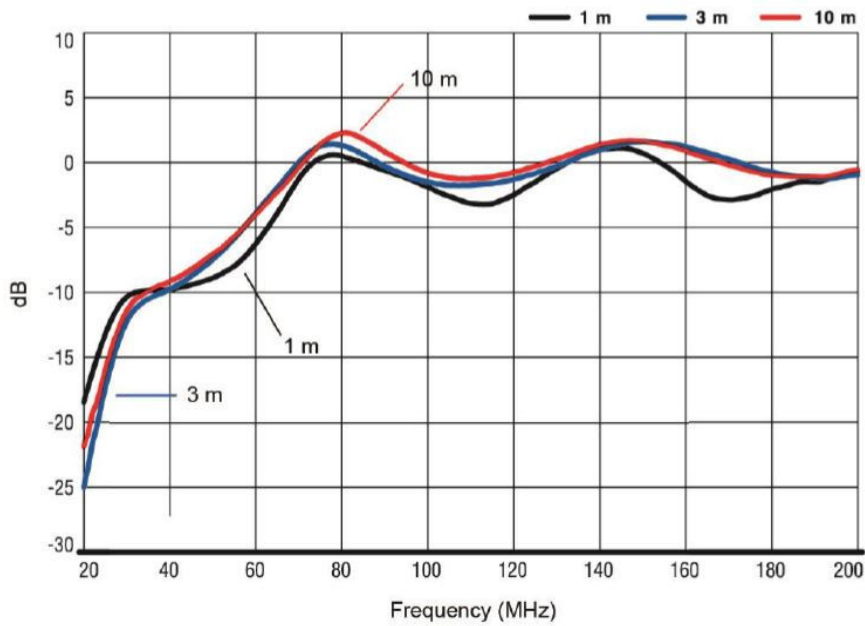
Model 3104D Forward Power



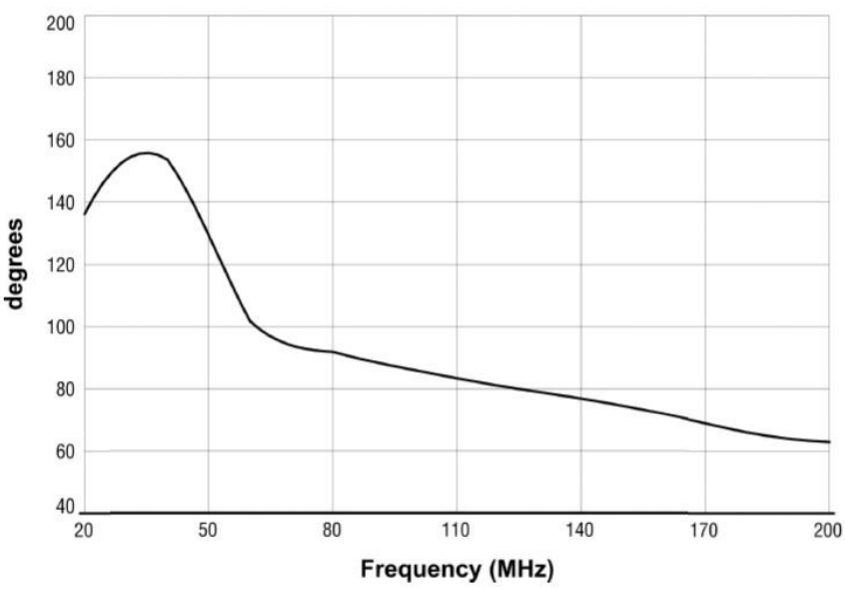
@ 3 M-MEASURED OVER CONDUCTING GROUND



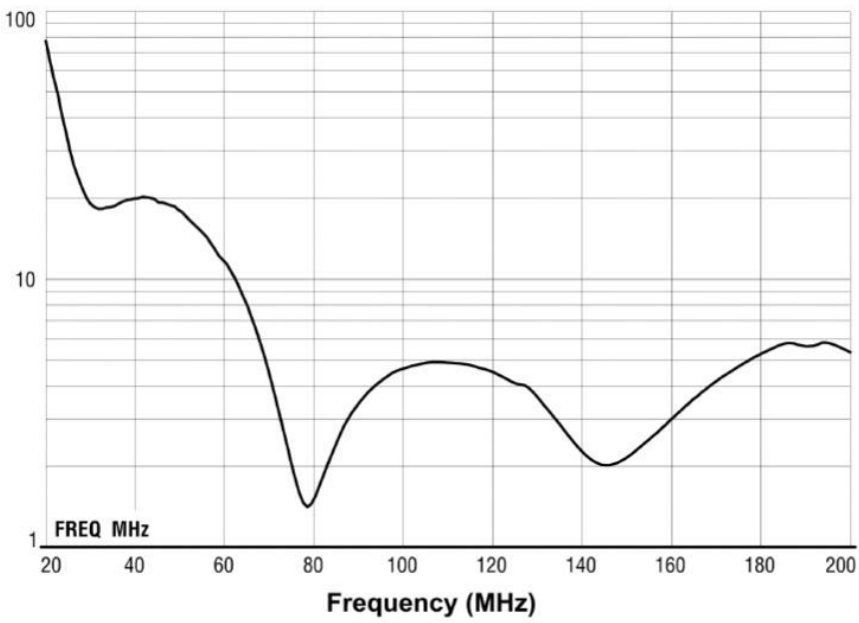
@ 3 M-DERIVED FROM AF



Model 3104D Gain



Model 3104D Half-Power Beamwidth



Model 3104D VSWR