

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.



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

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.

Specifications

View the 3104C Biconical Antenna technical specifications below

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

Antenna with Balun and Antenna Elements

Separate Mounting Adapter to Accept ETS-Lindgren or Other Tripod Mounts with Standard 1/4 in 20 Threads

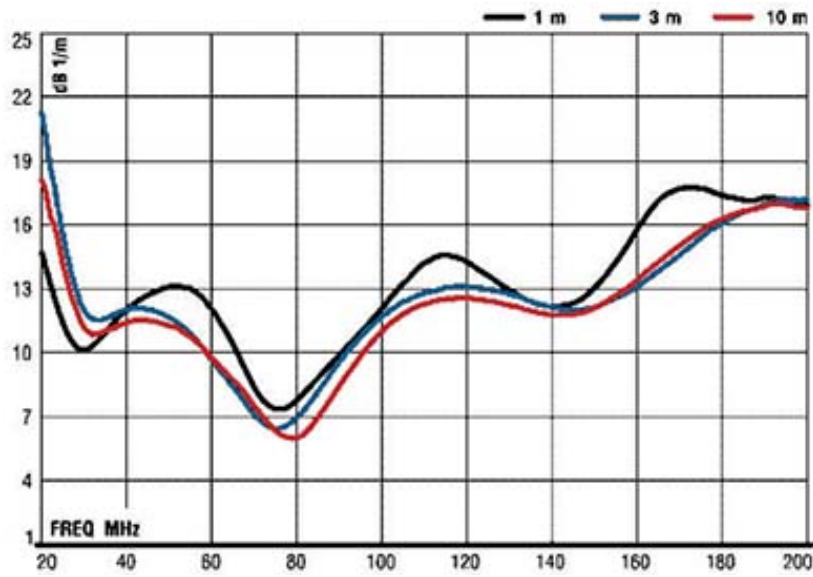
Individually calibrated at 1 m per SAE ARP 958 and 10 m per ANSI C63.5

Actual Antenna Factors and a Signed Certificate of Calibration Conformance

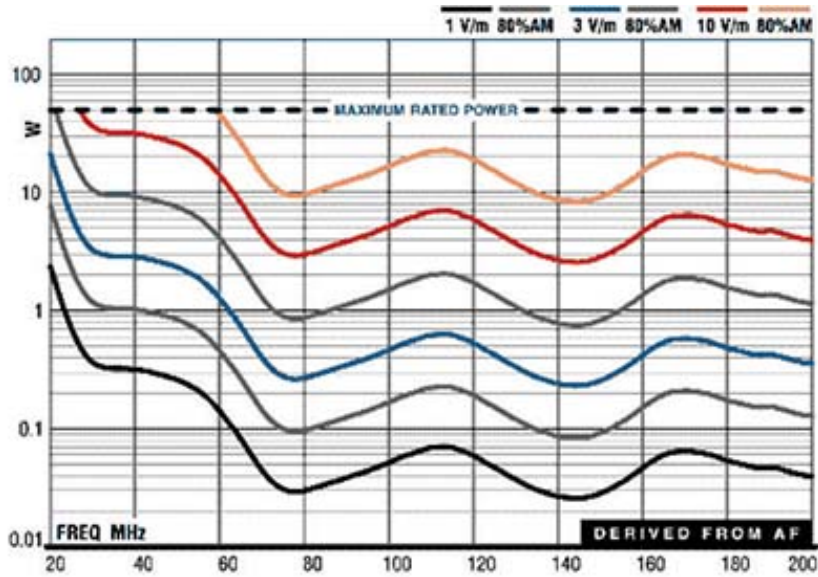
Charts

View the 3104C Biconical Antenna charts below

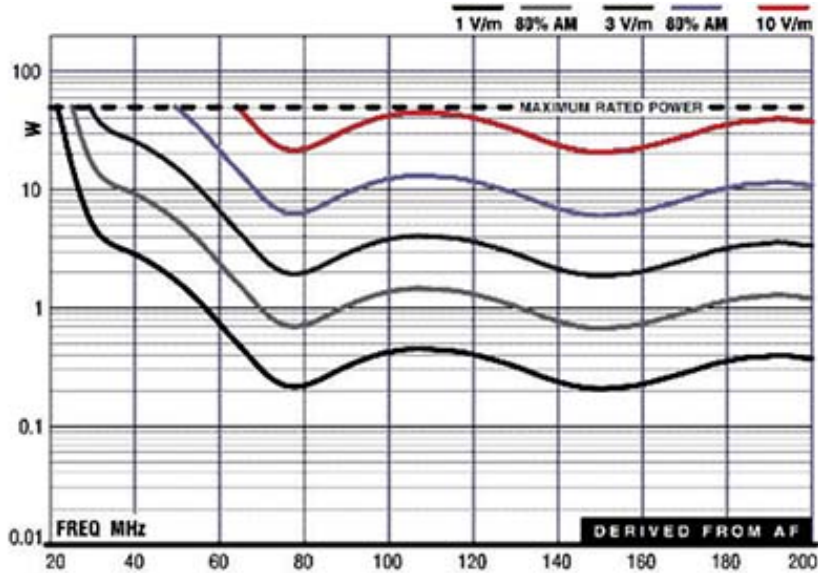
3104C Biconical Antenna Factor



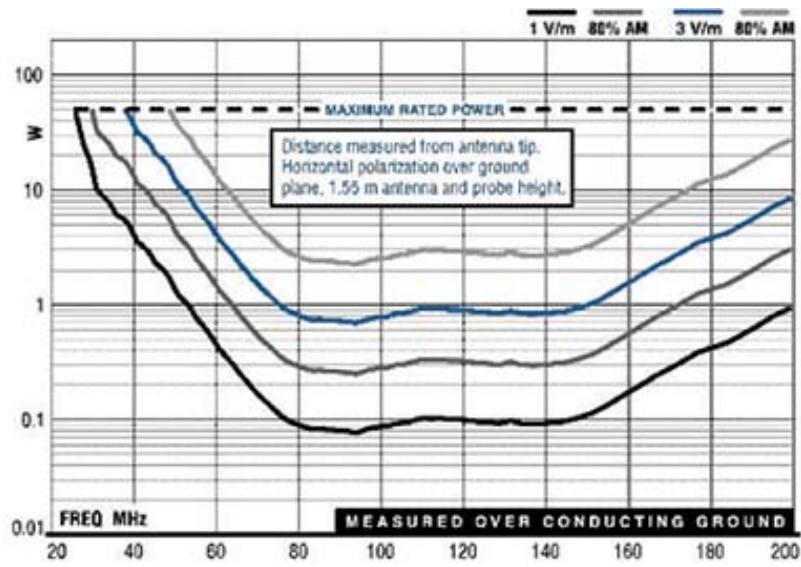
3104C Forward Power at 1 m



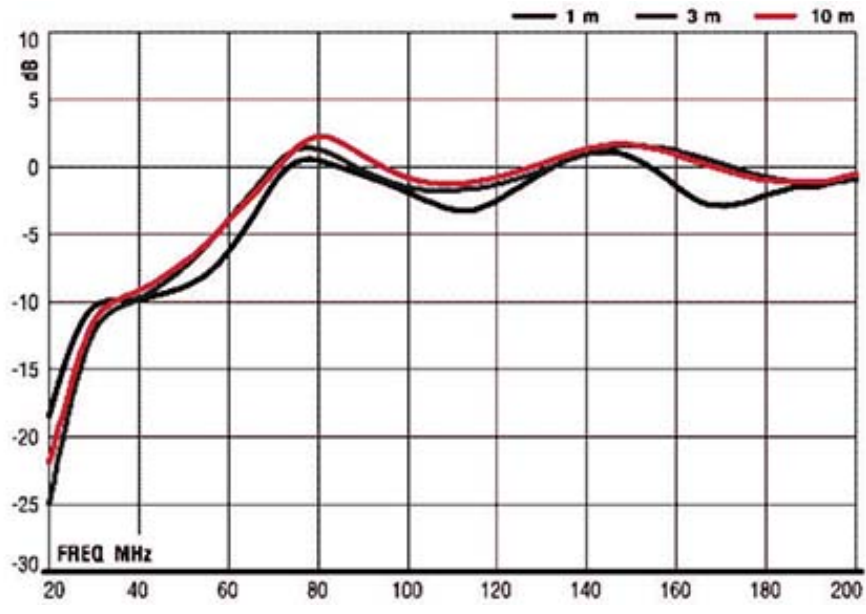
3104C Forward Power at 3 m



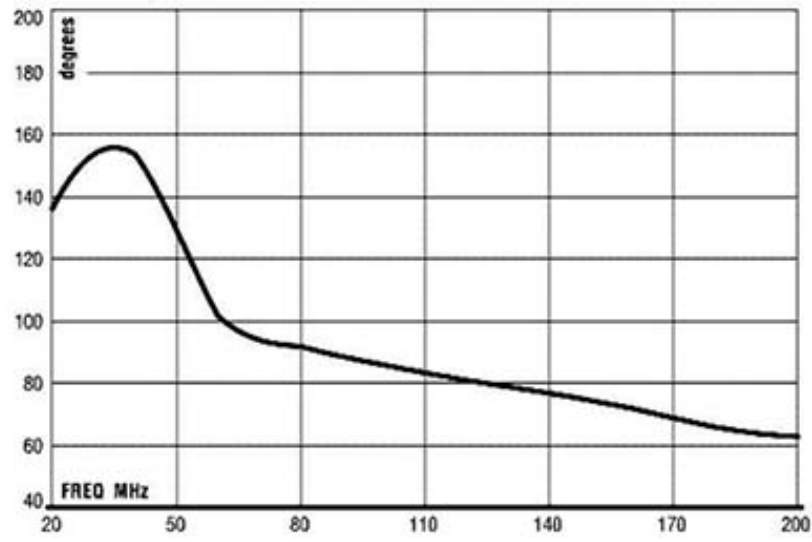
3104C Forward Power at 3 m



3104C Gain



3104C Half Power Beamwidth



3104C VSWR

