

EMC Antennas
**Broadband Biconical
Antenna**

Model 3182

FEATURES:

- **30 MHz - 1 GHz Frequency Range**
- **Omnidirectional Pattern**
- **Broadband Spectrum Monitoring**
- **Flexible Mounting Systems**



ETS-Lindgren's Model 3182 Broadband Biconical Antenna

The ETS-Lindgren Model 3182 Broadband Biconical Antenna has been designed for optimal performance across the frequency range of 30 MHz - 1 GHz. The Model 3182's uniquely designed elements provide a omni-directional pattern, without the main radiation beam splitting into two lobes in the elevation cut.

FEATURES

Frequency Range

The Model 3182 covers the traditional frequency range EMC measurements. Additionally, the Model

3182 covers all of the VHF and part of the UHF bands, making it ideal for spectrum monitoring of FM, TV and some cellular phones.

Radiation Pattern

The Model 3182 has been designed to have a radiation pattern that is dipole-like across the range. The elements have been optimized to avoid any splitting of the main radiation beam in the elevation cut.

Flexible Mounting System

The Model 3182 antenna includes both an EMCO classic mount and a rear "stinger" mount.

APPLICATIONS

The Model 3182 is ideal for surveillance and spectrum monitoring. Its omnidirectional patterns can receive signal from every direction in the azimuth

STANDARD CONFIGURATION

- Balun Assembly
- Set of Frequency Optimized Elements
- Manual
- Individually Calibrated

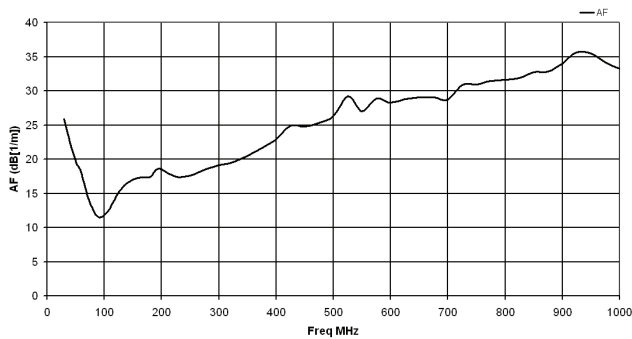
Electrical Specifications

MODEL	FREQUENCY RANGE	VSWR RATIO (AVG)	MAXIMUM CONTINUOUS POWER	IMPEDANCE (NOMINAL)	CONNECTORS
3182	30 MHz - 1 GHz	< 2.5:1	200 watts	50 Ω	Type N (F)

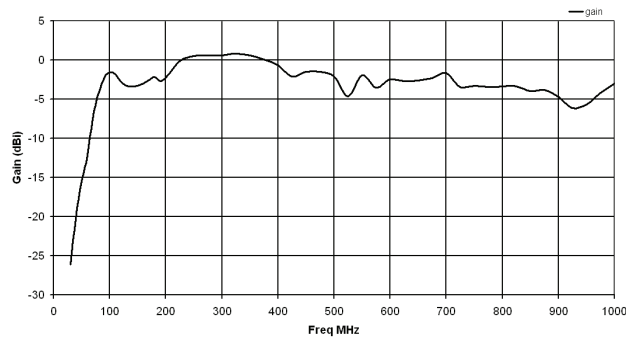
Physical Specifications

MODEL	LENGTH	WIDTH/DIAMETER	HEIGHT
3182	53.34 cm 22.0 in	41.30 cm 16.2 in	62.7 cm 24.0 in

Model 3182 Antenna Factor Typical Performance



Model 3182 Gain Typical Performance



Model 3182 VSWR Typical Performance

