

BROADBAND MIN-BICON ANTENNAS 3184 Broadband Mini-Bicon Antenna

ETS-Lindgren's Model 3184 Broadband Mini-Bicon Antenna is a radome-protected, broadband antenna.



ETS-Lindgren's Model 3184 Broadband Mini-Bicon Antenna is a radome-protected, broadband antenna with a frequency range of 1 GHz to 18 GHz. Its omnidirectional pattern and broadband frequency range make it ideal for surveying or spectrum monitoring, when used with a portable spectrum analyzer.

A weatherizing kit is standard on the model 3184 for prolonged outdoor monitoring.

Key Features

- 1 GHz to 18 GHz Frequency Range
- Omnidirectional Radiation Pattern
- Ideal for:
 - Broadband Spectrum Monitoring
 - Harmonics Level Measurement IEC 61000-4-3 Weatherizing Kit

Features

Frequency Range

The model 3184 is designed to have the lowest possible VSWR across its range of operation. The antenna exhibits an average 2:1 VSWR.

Radiation Pattern

The radiation pattern of the model 3184 is omnidirectional in the H-plane. This means the antenna can receive signals from every direction around its axis.

Spectrum Monitoring

The model 3184 can be used for EM Field surveying and spectrum monitoring. The low weight design allows use as a field surveying tool, in conjunction with a portable spectrum analyzer. IEC-61000-4-3 Because of its small size, the antenna can also be used for amplifier harmonic measurements per the IEC 61000-4-3 Radiated Immunity Test.

Specifications

Electrical Specifications

Frequency Minimum: 1 GHz

Frequency Maximum: 18 GHz

VSWR Ratio (Average): 2:1

Maximum Continuous Power: 50 watts @ 1 GHz; 25 watts @ 18 GHz

Impedance (Nominal): 50 Ω

Connectors: SMA (F)

Pattern Type: Omnidirectional

Polarization: Linear

Physical Specifications

Length: 36.2 cm (14.25 in)

Width: 15.25 cm (6.00 in)

Stinger Length: 17.8 cm (7.01 in)

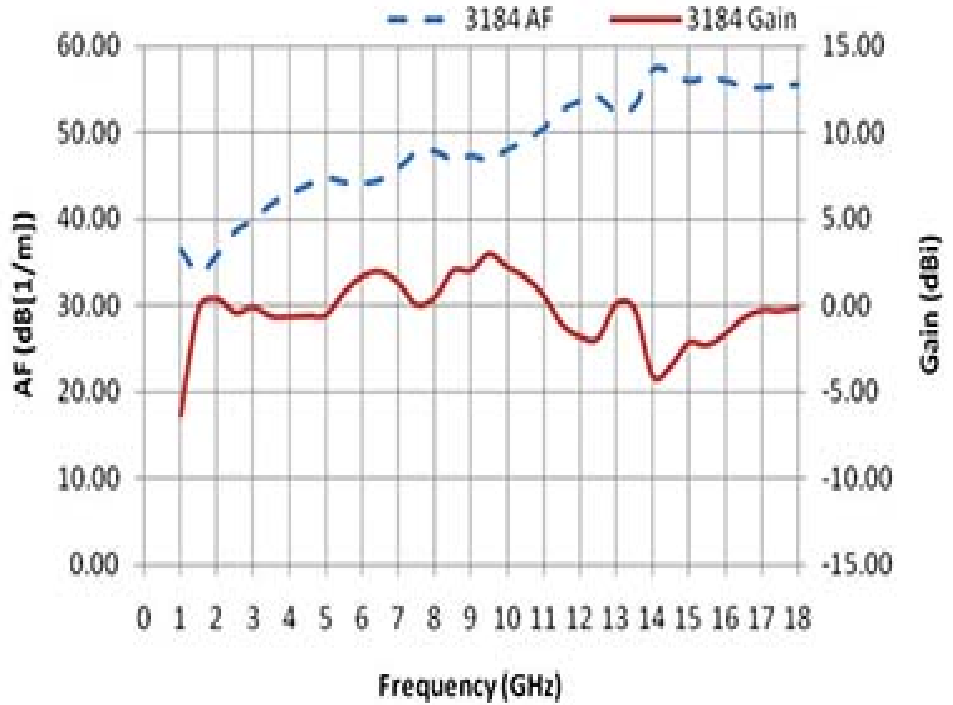
Weight: .7 kg (1.54 lb)

Other Specifications

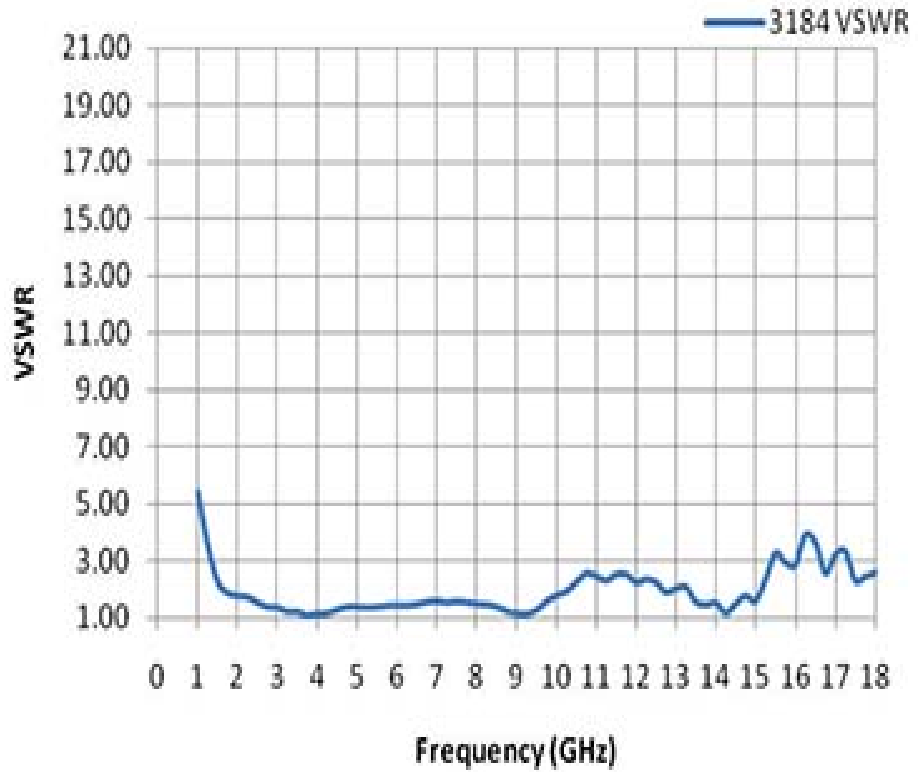
- Antenna
- Antenna Mount for Tripod Mounting
- Weatherized
- Individually Calibrated at 1 m per SAE ARP 958 at our A2LA Accredited Lab
- Actual Antenna Factors and a Signed Certificate of Calibration Conformance
Included with Manual
- Manual

Product Charts

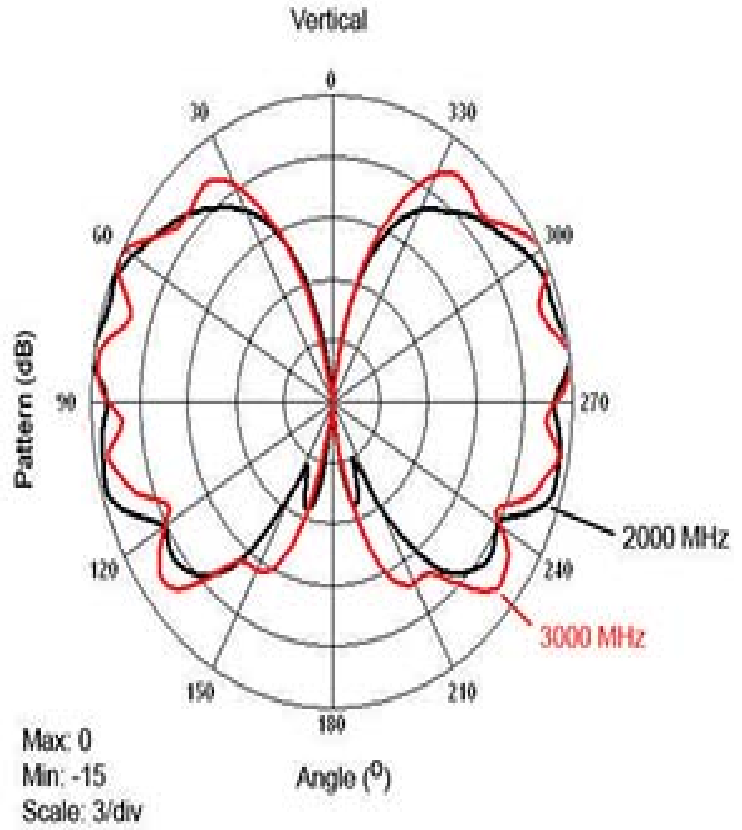
Model 3184
Broadband Mini-Bicon Antenna
Antenna Factor/Gain



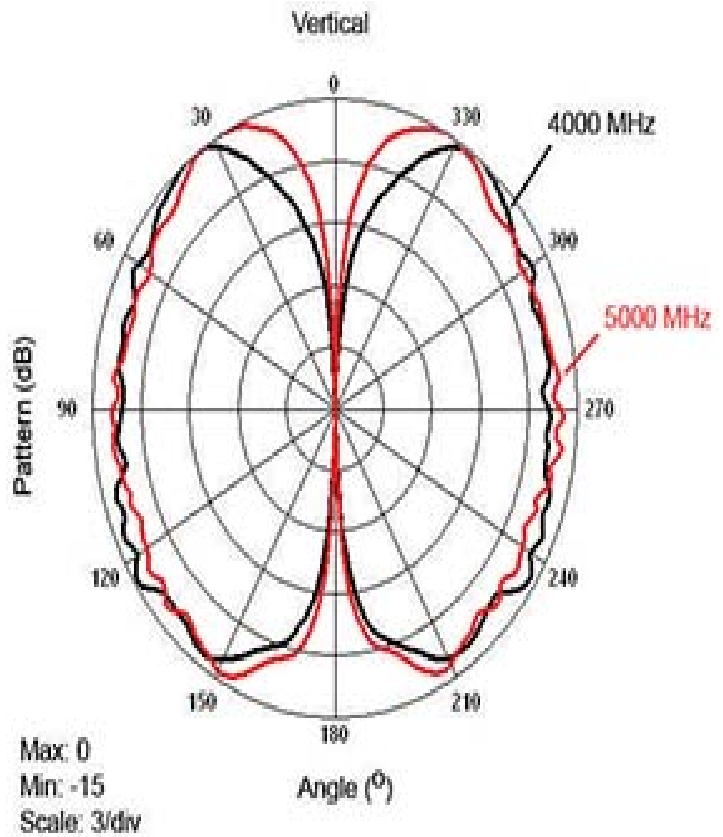
Model 3184
Broadband Mini-Bicon Antenna
VSWR



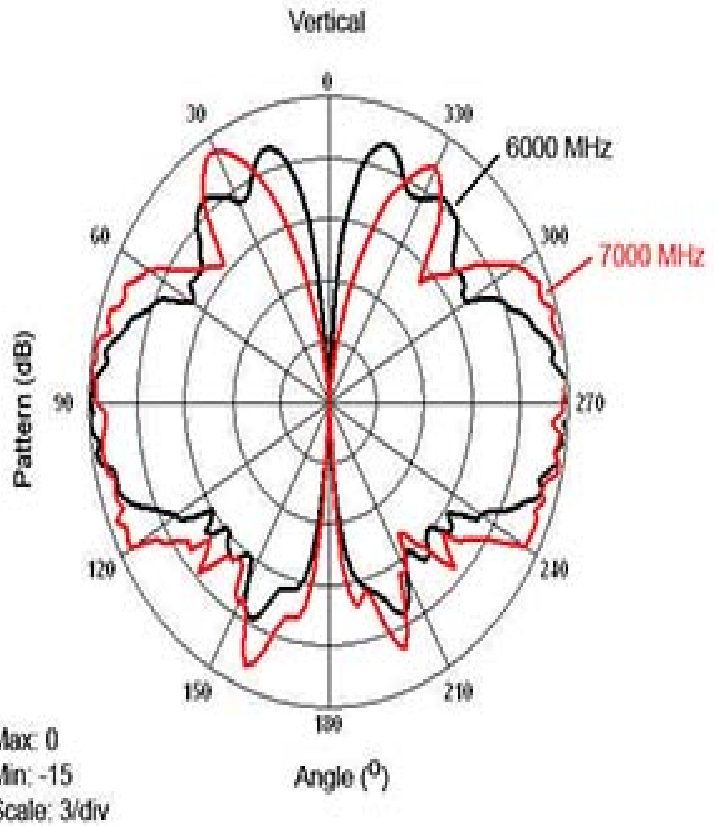
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
2 GHz to 3 GHz



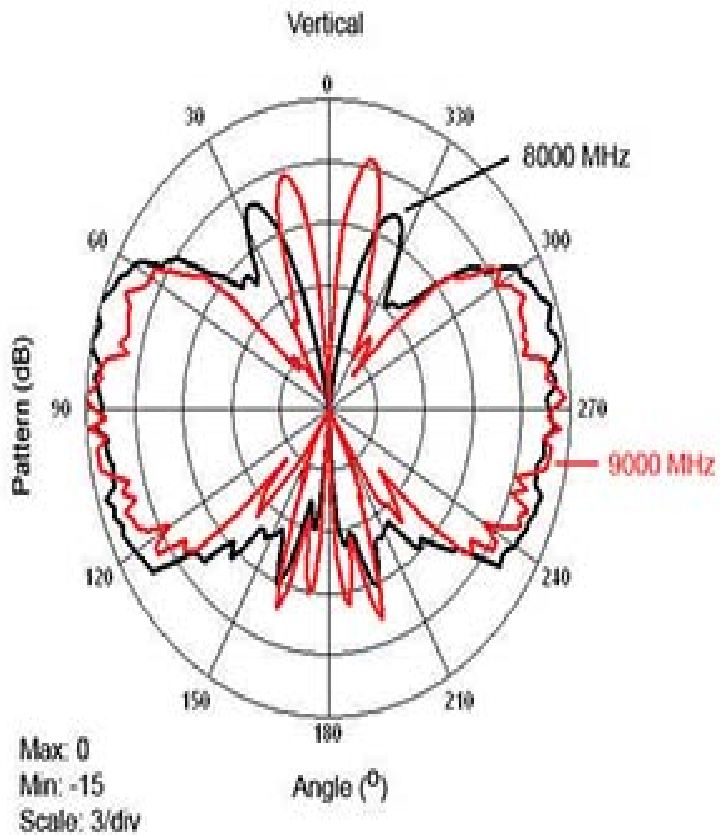
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
4 GHz to 5 GHz



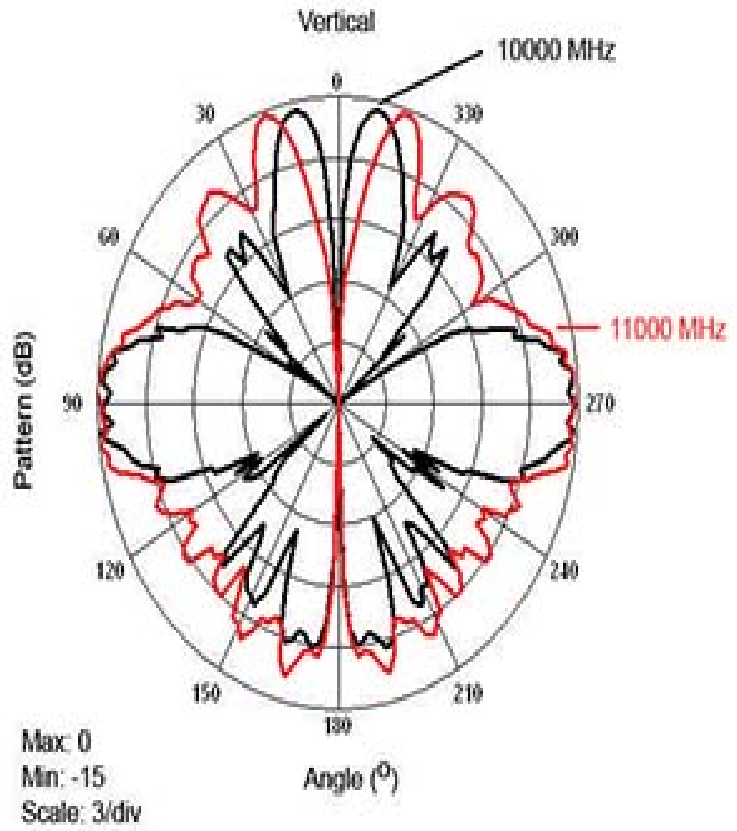
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
6 GHz to 7 GHz



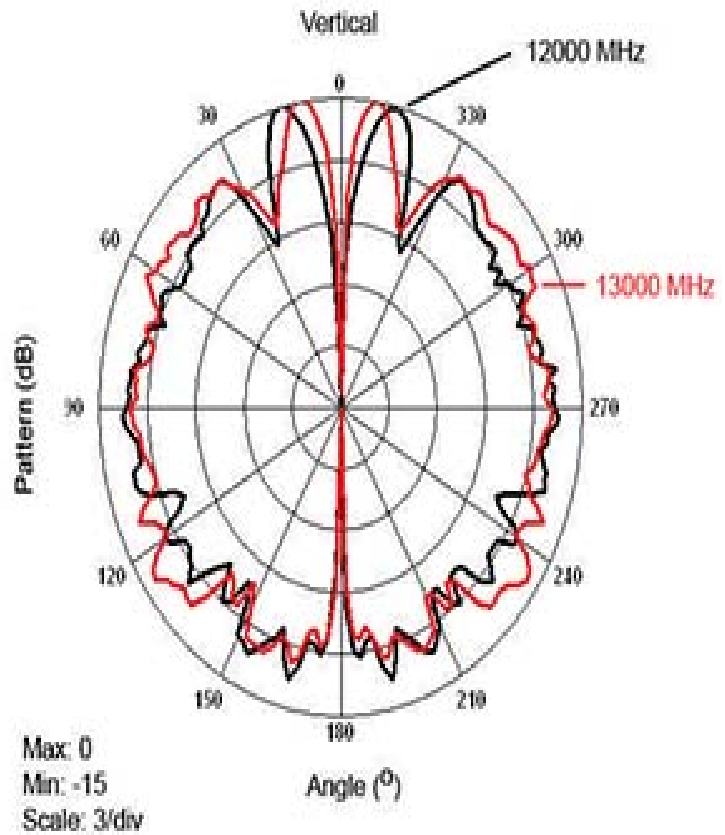
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
8 GHz to 9 GHz



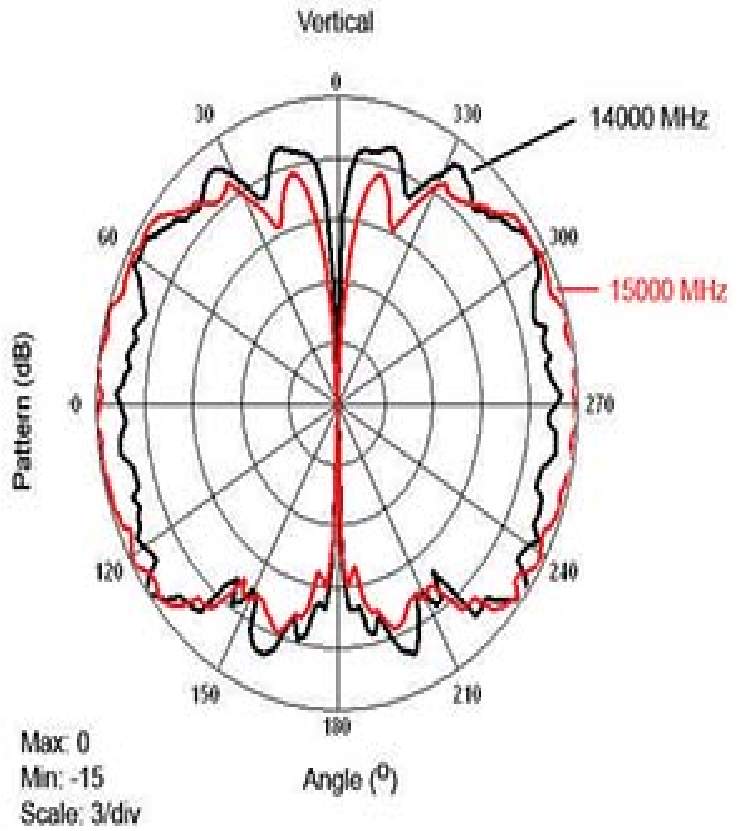
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
10 GHz to 11 GHz



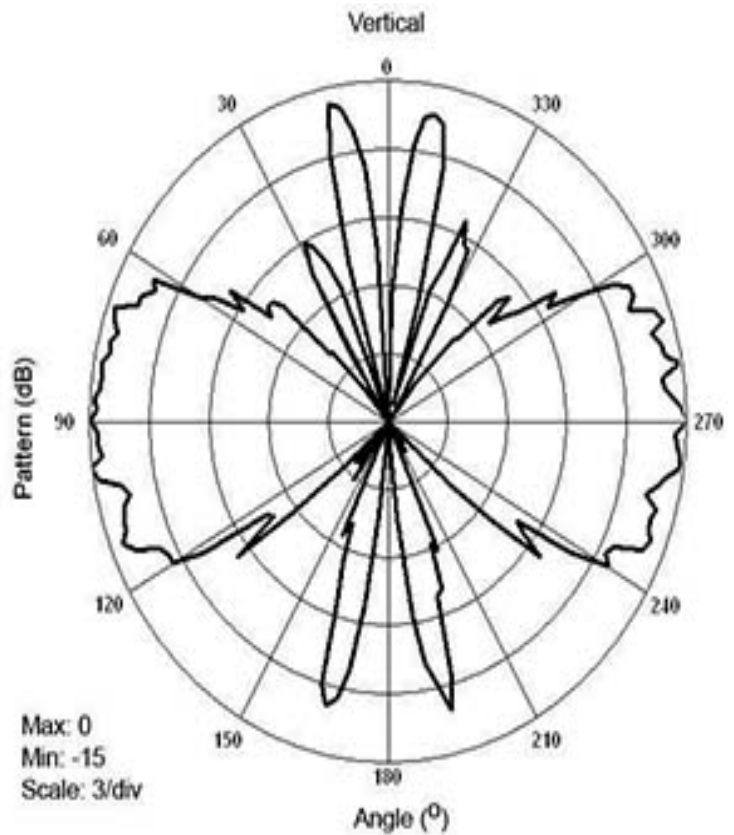
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
12 GHz to 13 GHz



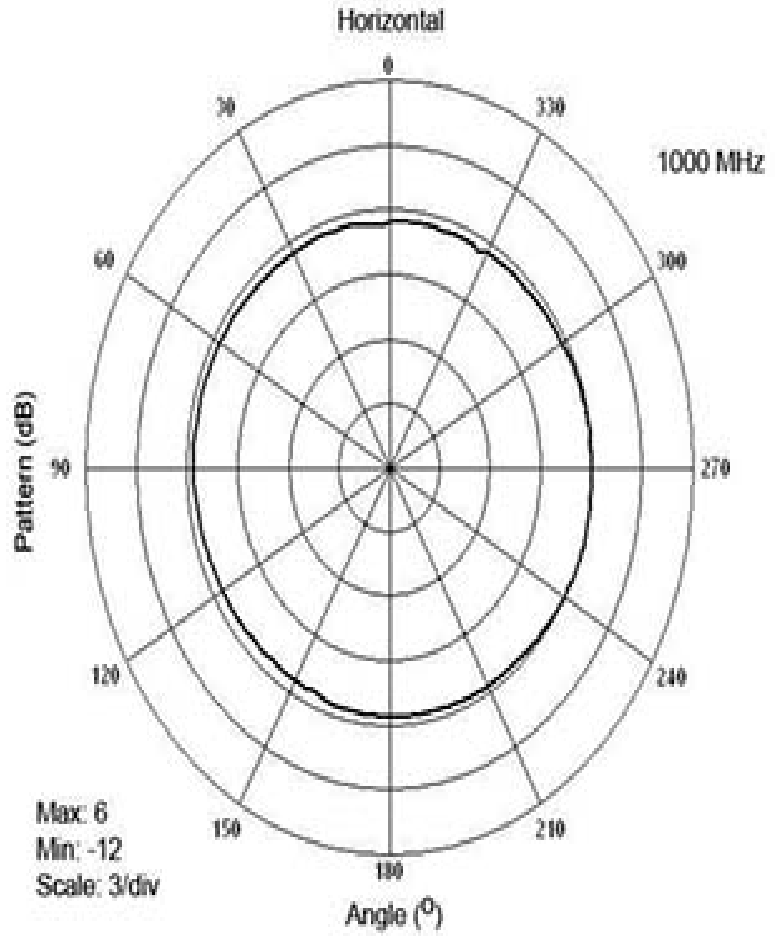
Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
14 GHz to 15 GHz



Model 3184
Broadband Mini-Bicon Antenna
Typical E-Plane Pattern
18 GHz



Model 3184
Broadband Mini-Bicon Antenna
Typical H-Plane Pattern
1 GHz



Model 3184
Broadband Mini-Bicon Antenna
Typical H-Plane Pattern
2 GHz to 18 GHz

