

ANTENNA MODEL 3184



MODEL 3184

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

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.

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.

Technical Specifications

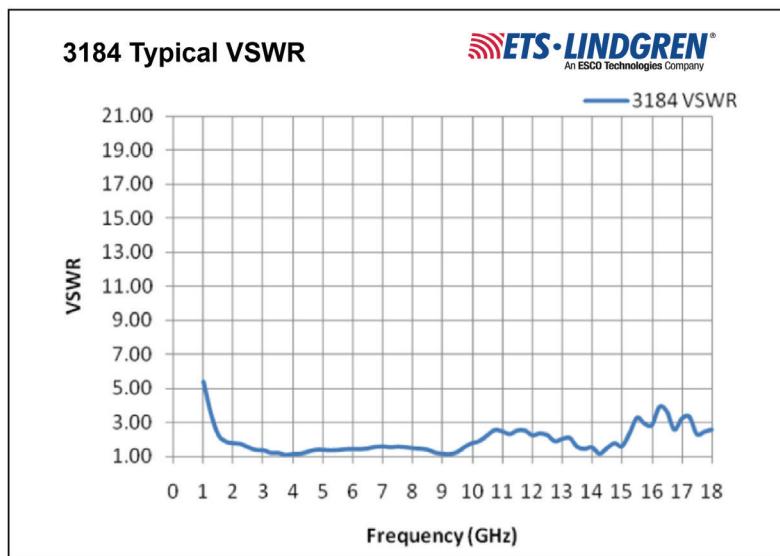
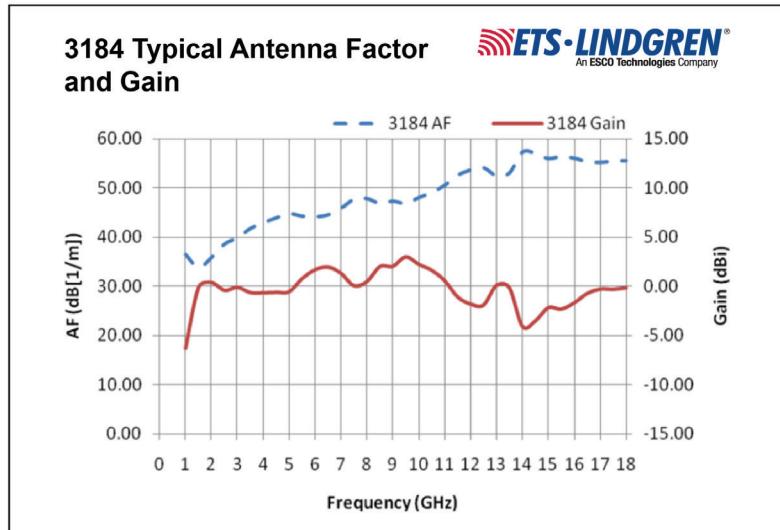
Electrical

| | |
|--------------------------|-----------------------------|
| Frequency Minimum | 1 GHz |
| Frequency Maximum | 18 GHz |
| Impedance (Nominal) | 50 |
| Maximum Continuous Power | 50 W @ 1 GHz, 25 W @ 18 GHz |
| Pattern Type | Omnidirectional |
| Polarization | Linear |
| VSWR Ratio (Average) | 2:1 |
| Connectors | SMA (F) |

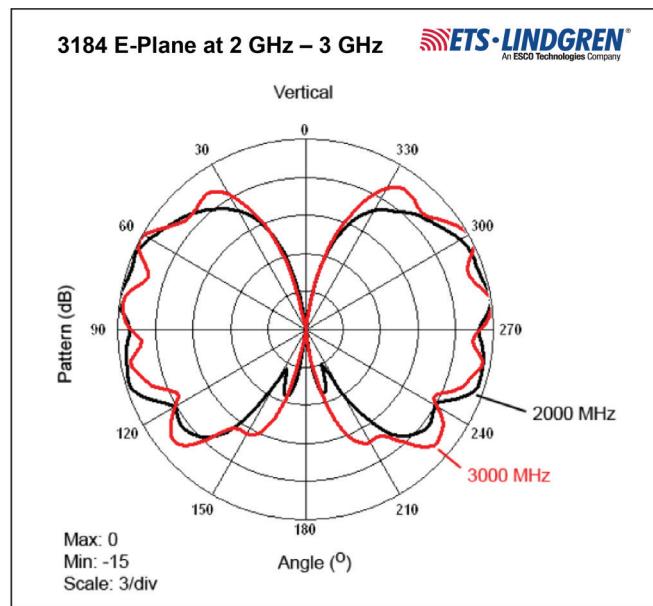
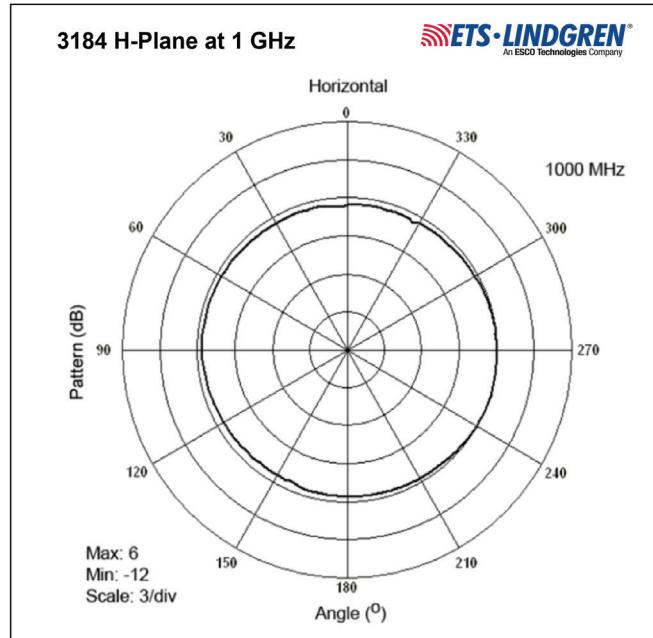
Physical

| | |
|----------------|-------------------|
| Length | 371 cm (14.6 in) |
| Width | 15.2 cm (6.00 in) |
| Stinger Length | 17.0 cm (6.7 in) |
| Weight | 0.65 kg (1.43 lb) |

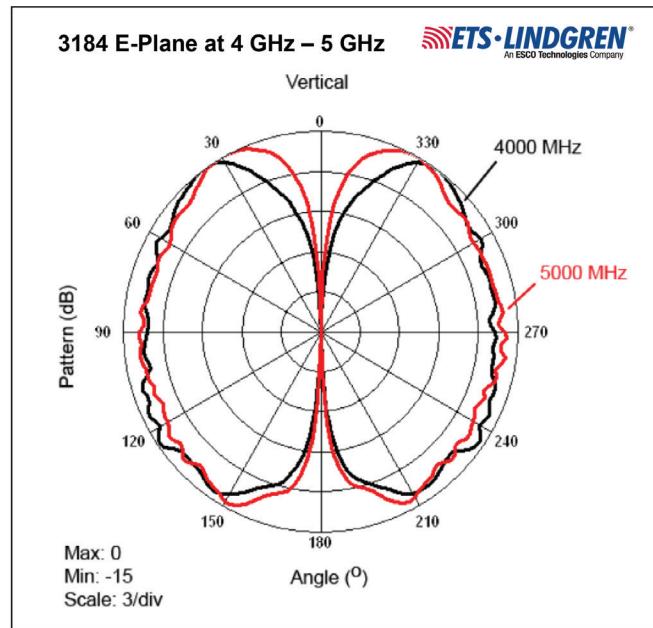
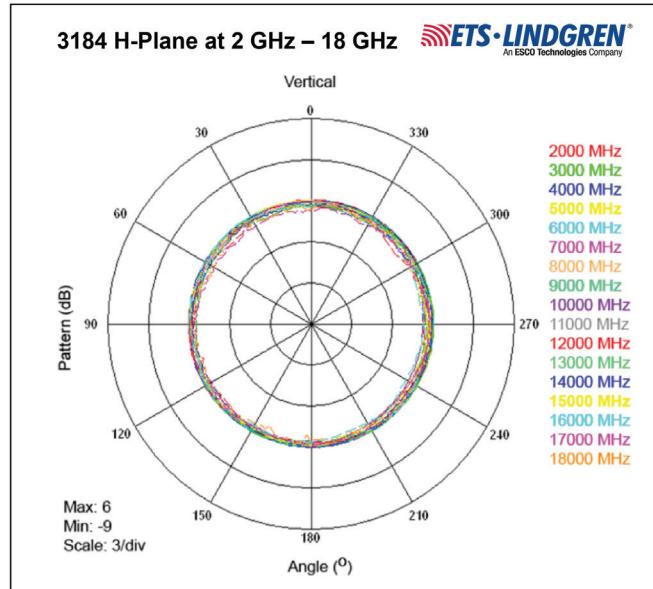
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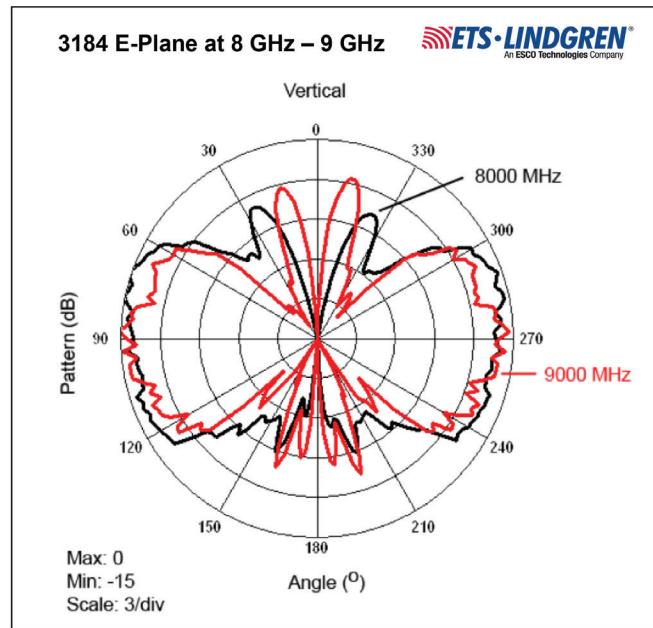
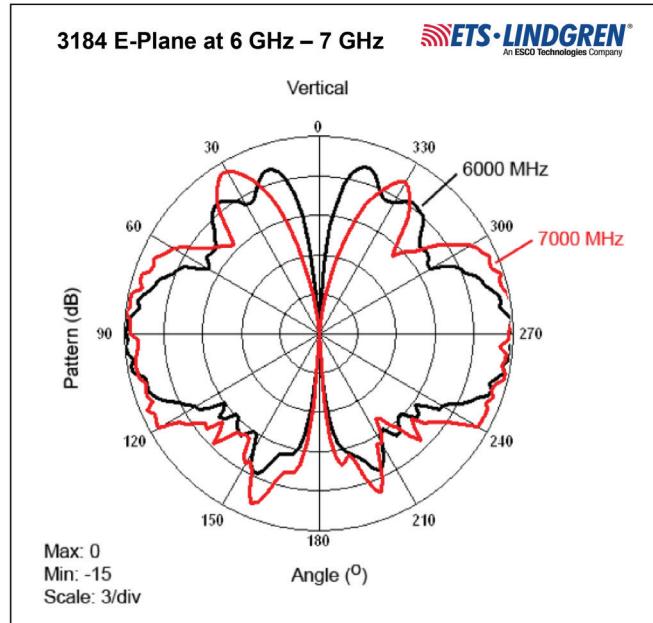
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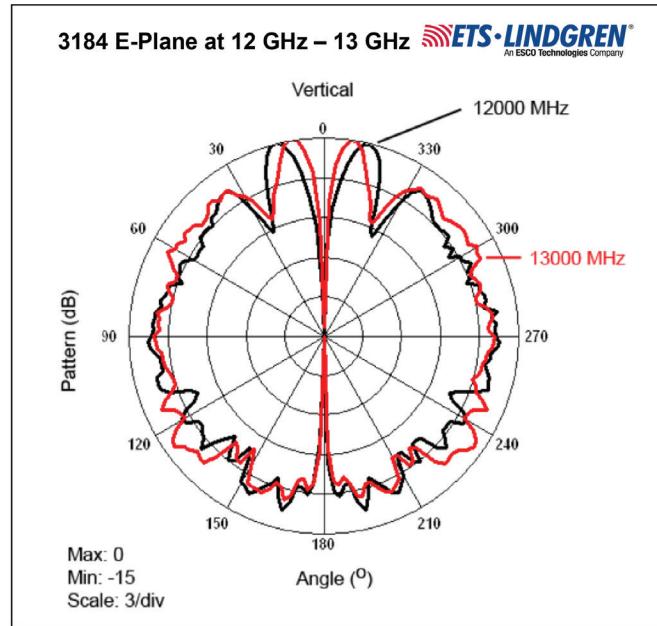
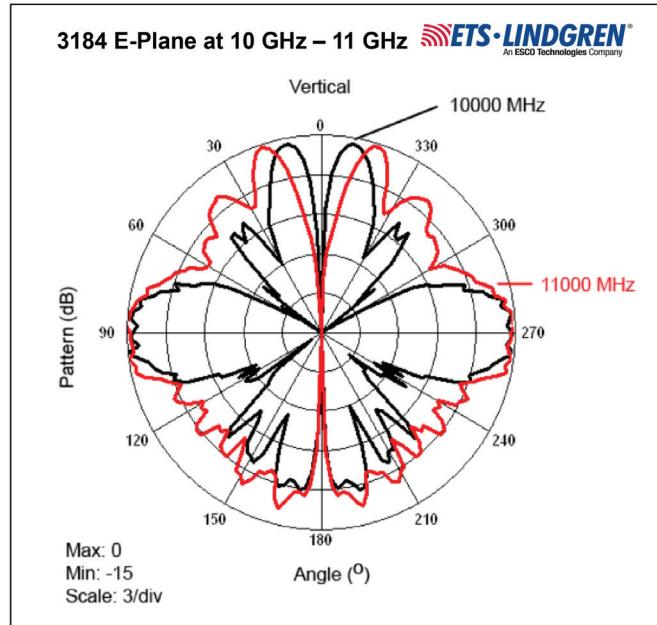
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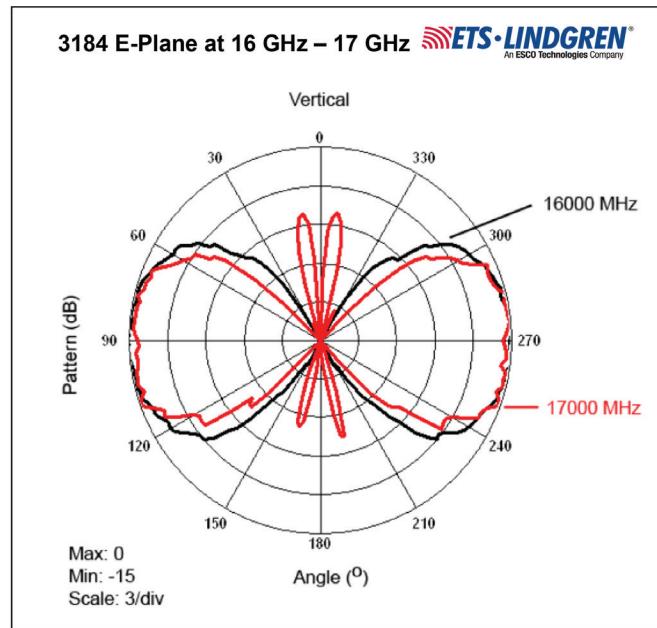
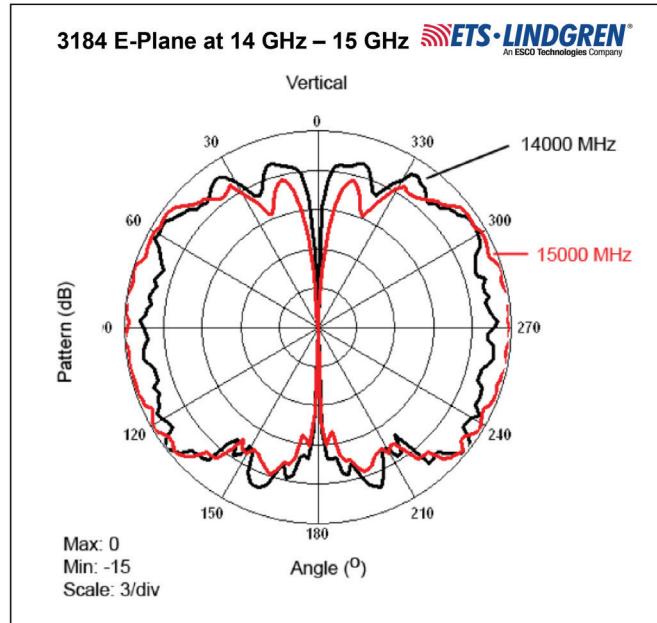
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