

## 3301C ACTIVE MONOPOLE

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The model 3301C antenna consists of an stainless steel rod, a counterpoise 61 cm x 61 cm (24 in x 24 in), a broadband high input impedance amplifier built into the base, and an AC power adapter for battery charging (nominal 90 to 265 VAC, 50/60 Hz). The front panel contains controls and indicators include a power switch and power-on indicator, a receptacle and indicator for the battery charger, a grounded female BNC output connector and a signal saturation indicator. Power is supplied by internal AA size rechargeable nickel-metal hydride batteries.

## Key Features

- 30 Hz to 50 MHz Frequency Range
- Two Year Warranty
- Individually Calibrated
- MIL-STD 461G Compliant
- 30 Hours of Continuous Operation in a Single Charge
- Compliant with **CISPR 16-1-6: 2017** and **ANSI 63.5: 2017** with 3301Cal-B option

## Specifications

## Electrical Specifications

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**Frequency Minimum:** 30 Hz  
**Frequency Maximum:** 50 MHz  
**Connectors:** BNC (f)  
**Impedance (Nominal):** 50  $\Omega$   
**Pattern Type:** Omnidirectional  
**Polarization:** Linear

## Physical Specifications

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**Base Depth:** 19.05 cm (7.50 in)  
**Base Height:** 8.9 cm (3.50 in)  
**Base Width:** 19.05 cm (7.50 in)  
**Rod Height (Low Range):** 100 cm (39.4 in)  
**Rod Height (Upper Range):** 104 cm (41.0 in)  
**Weight:** 1.4 kg (3.09 lb)

## Other Specifications

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- **Antenna Base with a Built-in Preamplifier and a Female BNC Connector**
- **Counterpoise**
- **MIL-STD 461G RF Cable and Grounding Kit**
- **Antenna Base Mount with 1/4-20 UNC Internal Thread**
- **Stainless Steel Monopole Element**
- **AA NiMH Batteries and AC/DC Adapter**
- **Certificate of Calibration Conformance per ANSI C63.5 and SAE, ARP-958**
- **User Manual**
- **Product Options of 3301Cal-A and 3301Cal-B (for testing to CISPR 16-1-6: 2017 and ANSI 63.5: 2017)**

## Product Charts

Model 3301C  
Monopole Antenna  
Typical Antenna Factors  
at Default Switch Positions  
(All Off)

