

3180D BROADBAND MINI-BICON ANTENNA

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The model 3180D is ideal for the free space NSA (FSNSA) test for fully anechoic rooms. Its small size allows for harmonic monitoring when testing per the IEC 61000-4-3.

Key Features

- Frequency Range:
 - Cage Elements: 30 MHz to 1 GHz
 - Cone Elements: 30 MHz to 3 GHz
- Omni-directional Pattern Ideal for:
 - Chamber Characterization
 - Broadband Spectrum Monitoring
 - Field Measurements
- Flexible Mounting

Features

Frequency Range

The model 3180D covers the traditional frequency range for EMC measurements. Additionally, the 3180D covers all of the VHF and UHF bands, making it ideal for spectrum monitoring of FM, TV and some cellular phones. With the small cone elements in place, the 3180D can be used up to 3 GHz.

Radiation Pattern

The model 3180D has been designed to have a radiation pattern that is omnidirectional. The elements have been optimized to avoid any splitting of the main radiation beam in the elevation cut.

Flexible Mounting System

The model 3180D antenna includes both an EMCO block mount and a rear "stinger" mount.

Specifications

Electrical Specifications

Model	VSWR Ratio (Average)	Maximum Continuous Power	Impedance (Nominal)	Connectors	Pattern Type	Polarization
3180D (Cage Elements)	~3:1	250mW	50 Ω	Type N (f)	Omnidirectional	Linear
3180D (Cone Elements)	~3:1	250mW	50 Ω	Type N (f)	Omnidirectional	Linear

Physical Specifications

Width (Element, tip-to-tip):
Length:
Diameter:
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Length:
Diameter:

Additional Specifications

Antenna Includes:

- Balun
- One Pair of Cage Elements
- One Pair of Cone Elements
- Individually Calibrated. Actual factors and a signed Certificate of Calibration Conformance included.
- Manual

Product Options

