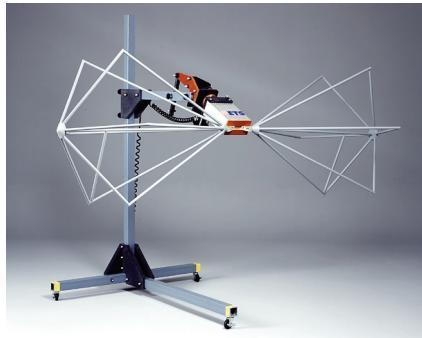


ANTENNA MODEL 3158



ETS-Lindgren's Model 3158 Biconical Antenna is a high power biconical designed for high level immunity. The Antenna can generate 100V/m over a ferrite covered ground at 2m distance per the ISO 11451-2 standard. The 3158 is a rugged version of the successful 3109 design. The 3158 has larger elements which reduce the VSWR at low frequencies. The rugged construction increases the power handling to 5 kW. It is a great antenna for generating higher fields in the 20 MHz to 120 MHz frequency band.

Technical Description

The ETS-Lindgren's Model 3158 high-power biconical antenna has a 4:1 Guanella balun for matching the impedance to the amplifier. The balun maintains a low operating temperature due to the unit's efficient radiation and high power design.

Technical Specifications

Electrical

| | |
|--------------------------|---------------------|
| Frequency Minimum | 20 MHz |
| Frequency Maximum | 120 MHz |
| Impedance (Nominal) | 50 |
| Maximum Continuous Power | 5 kW |
| Peak Power | 7 kW |
| Connectors | 7/16 DIN Receptacle |
| Pattern Type | Omnidirectional |
| Polarization | Linear |

Physical

| | |
|--------|------------------|
| Height | 1.14 m (3.74 ft) |
| Width | 3.0 m (9.84 ft) |
| Length | 1.14 m (3.74 ft) |
| Weight | 16.33 kg (36 lb) |

MODEL 3158

- **Power Handling up to 5 kW**
- **Rugged Fabrication with Powder-coated Elements**
- **Elements can be Removed for Transportation and Storage**
- **7/16 DIN Connector Standard**

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