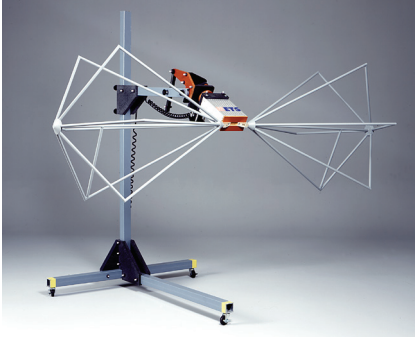


ANTENNA MODEL 3158



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

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)

ANTENNA MODEL 3158

