

BICONICALS 3158 Biconical Antenna

ETS-Lindgren's Model 3158 Biconical Antenna is a high power biconical designed for high level immunity.



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.

Key Features

- 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

Specifications

Electrical Specifications

Frequency Minimum: 20 MHz
Frequency Maximum: 120 MHz
Connectors: 7/16 DIN (f)
Impedance (Nominal): 50 Ω
Maximum Continuous Power: 5 kW
Peak Power: 7 kW
VSWR: 5:1 Maximum; 2:1 for Most of the Range
Pattern Type: Omnidirectional
Polarization: Linear

Physical Specifications

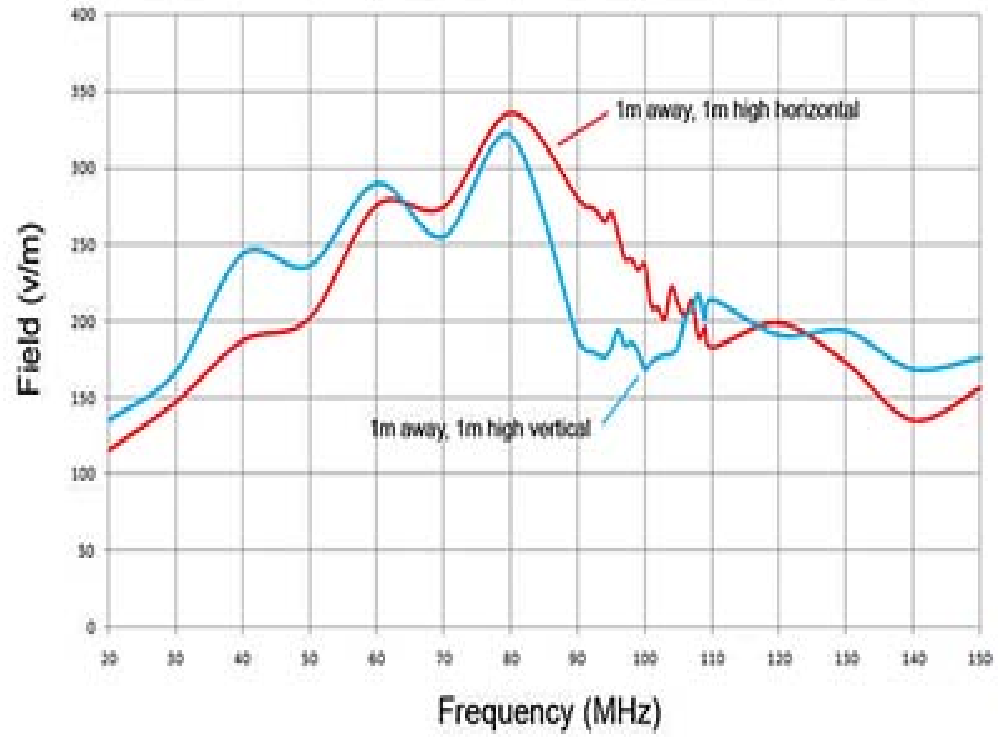
Length: 1.14 m (3.74 ft)
Width: 3.0 m (9.84 ft)
Height: 1.14 m (3.74 ft)

Other Specifications

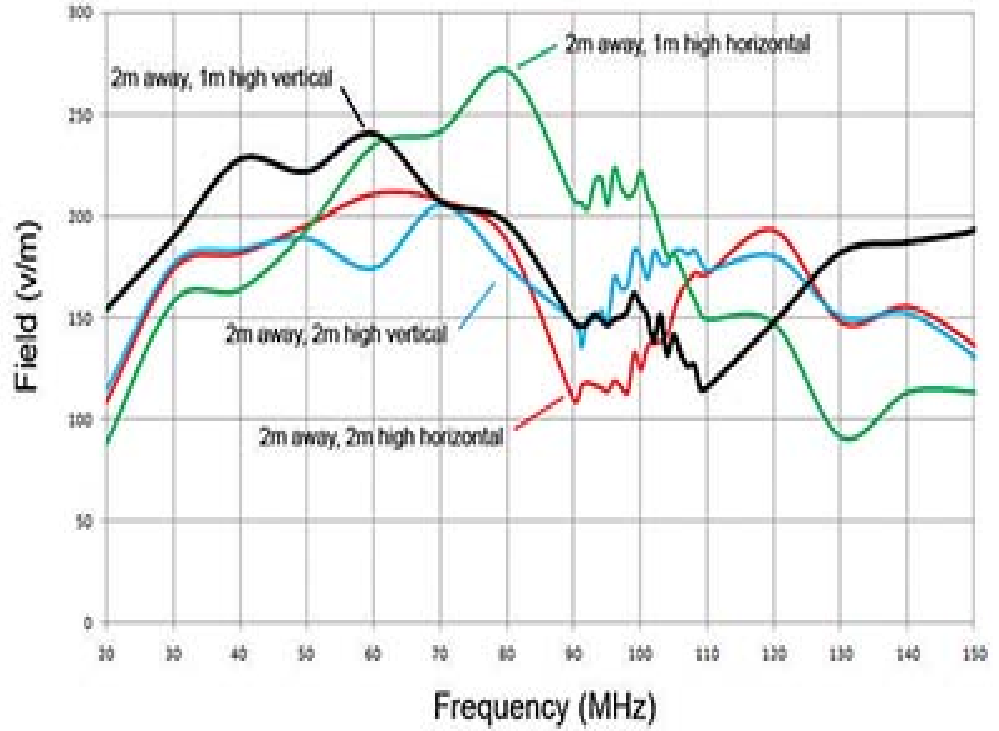
- Antenna with Elements
- Product Manual

Product Charts

3158
Biconical Antenna
Field Strength
5 kW Input
1 m



**3158
Biconical Antenna
Field Strength
5 kW Input
2 m**



**3158
Biconical Antenna
Power Input
30 V/m
2 m from Antenna
1 m over Ground**

