

Antennas  
**Field Generating  
Pyramidal Horn**  
Model 3162-01

**Features:**

- 1.1 GHz to 1.5 GHz Frequency Range
- Generates 600 V/m with <500 W
- Meets Specs for:
  - GMW 3097
  - ES-XW7T-1A278-AC



ETS-Lindgren's Model 3162-01 Field Generating Pyramidal Horn

**ETS-Lindgren's EMC Model 3162-01 Pyramidal Type High Gain Horn** was specifically developed for the GMW 3097 and ES-XW7T-1A278-AC specifications for automotive EMC components testing. These tests require that the EUT be exposed to a pulsed peak field level of 600 V/m at a distance of 100 cm from the front of the horn. Because of near field gain compression, most horns fail to meet this spec at the required test distance. The Model 3162-01 optimizes the near field behavior to overcome this problem, and

produces a field level of 600 V/m with a 500 W amplifier.

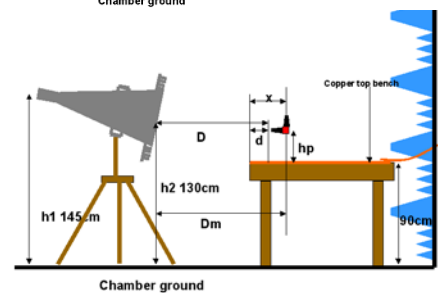
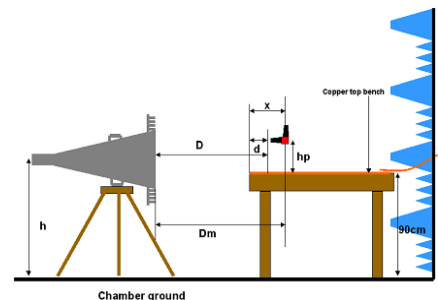
**Technical Description**

The Model 3162-01 horn aperture is 65 cm by 45 cm and has extended ground planes with chokes for better gain on each side.

**Standard Configuration**

- Pyramidal horn antenna with a coax to waveguide adapter
- Two-year warranty

**Typical Test Setup**



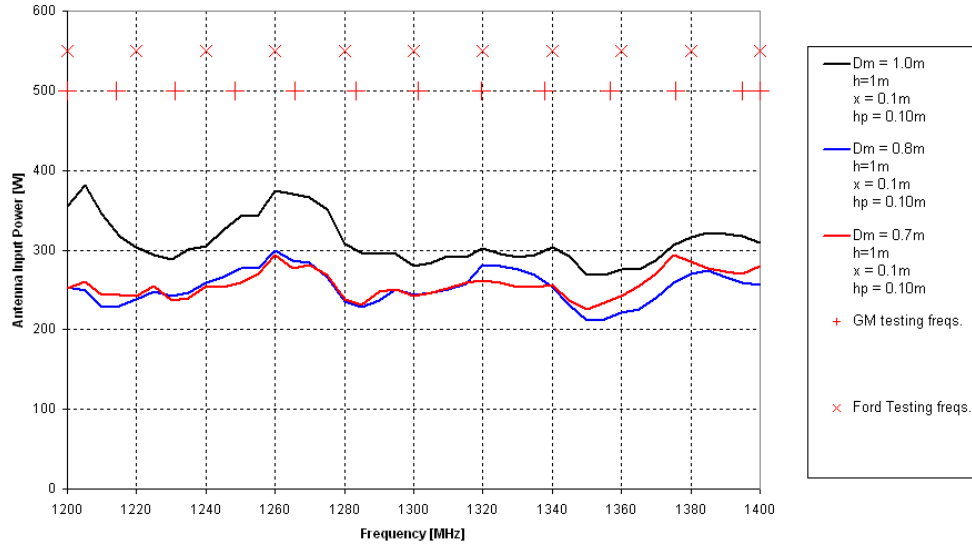
**Electrical Specifications**

MODEL	FREQUENCY RANGE	VSWR RATIO	MAXIMUM CONTINUOUS INPUT POWER	INPUT IMPEDANCE	RF CONNECTORS
3162-01	1.1 GHz - 1.5 GHz	1.5:1 Typical 2:1 Maximum	550W	50 Ω	Female Type N

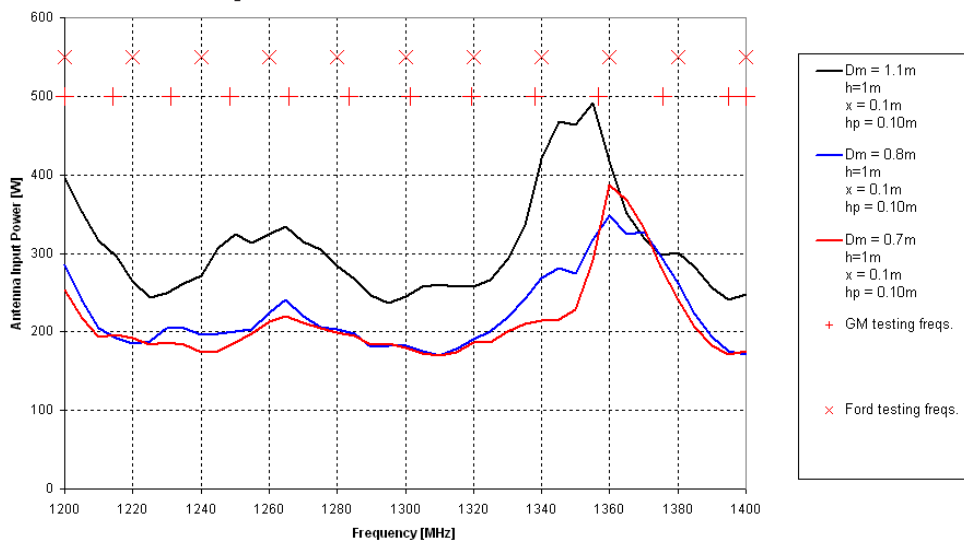
**Physical Specifications**

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT
3162-01	160.27 cm 63.1 in	64.77 cm 25.5 in	74.68 cm 29.4 in	23.6 kg 52.0 lbs

**Antenna Input Power, Horizontal Polarization, With Test Points**



**Antenna Input Power, Vertical Polarization, With Test Points**



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