


**SPECIFICATIONS:**

<b>Electrical:</b>	
Frequency range	500 – 1000 MHz
VSWR	< 2:1
Nominal input impedance	50 $\Omega$
Radiation pattern	Monopole, omni-directional
Connector	7/16 female
Feed power handling	1.5 kW at 500 MHz; 1 kW at 1000 MHz
Gain on horizon	2 dBi typical, depending on groundplane
Polarisation	Linear
<b>Mechanical:</b>	
Dimensions (d x h)	205 mm x 160 mm
Total mass	1 kg
Mounting method	Four M8 bolts on 170 mm PCD
Groundplane requirement	Flat on vehicle top, 1 m <sup>2</sup> clear area
<b>Environmental: designed to meet the following specifications</b>	
Wind survival on vehicle	160 km/h
Temperature range	-10 °C to +55 °C
Water and dust resistance	IP 67

**PRODUCT FEATURES:**

- Wide bandwidth covered in a single antenna
- Low VSWR, high gain over the band
- Passive construction
- Full-gain antenna, no lossy components used for matching

**APPLICATIONS:**

- Wideband monitoring
- High-power applications

**PRODUCT DESCRIPTION:**

The MONO-A0078 wideband high-power transmit antenna is designed for full-coverage high-power applications from 500 to 1000 MHz. Housed in a small, rugged radome, the antenna is mounted on a vehicle roof or elevated groundplane.

The antenna element inside has excellent gain and VSWR over the full-band. No lossy matching network is used, the antenna structure is designed to work over the full frequency range, giving maximum radiation, and allowing high transmitter powers to be used.

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DISTRIBUTION BY:**

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 Lexington, Massachusetts  
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 781-430-0675

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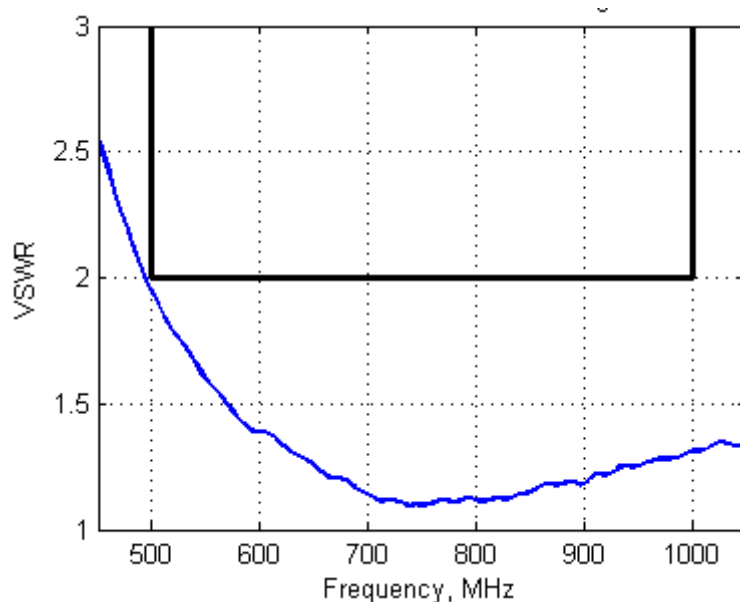
# High-Power Omni Antenna

500 – 1000 MHz

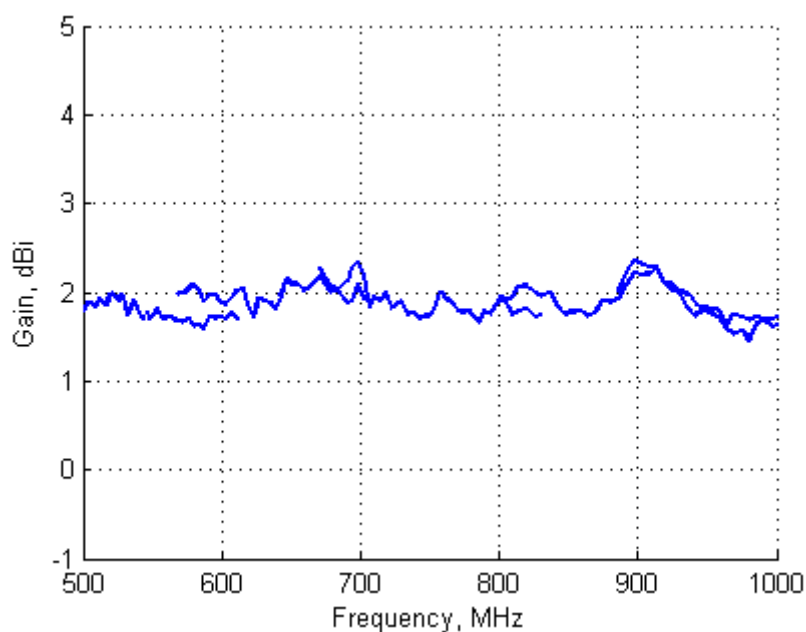
Product Code: MONO-A0078

VERSION: 1.3

Measured VSWR:



Measured gain:



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