

# High-Power Antenna

0.85 – 6 GHz

Product Code: MONO-A0035

VERSION: 3.4



## SPECIFICATIONS:

<b>Product codes:</b>	
<b>MONO-A0035</b>	Black version
<b>MONO-A0035-01</b>	White version
<b>Electrical:</b>	
Frequency range	0.85 - 6 GHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Connector MONO-A0035-01	N-type female
Gain (typical)	2 dBi
Power (N type connector)	100 W
Polarisation	Vertical
<b>Mechanical:</b>	
Dimensions (d x h)	100 mm x 80 mm
Mounting	NATO Flange 4 and 6 holes
Total mass	350 g
Mounting flange	140 mm
<b>Environmental: designed to meet the following expectations</b>	
Wind survival	160 km/h
Temperature (operational)	-40 °C to +65 °C
Temperature (storage)	-46 °C to +71 °C
Vibration (operational)	MIL-STD-167-1 type 1
Shock	MIL-STD-810E 516.4
Water ingress	MIL-STD-820F (506.4)
Operating altitude	15,000 ft

## PRODUCT FEATURES:

- Wide bandwidth covered in a single antenna
- Low VSWR, high gain over the band
- 100 W feed power handling
- Full-gain antenna, no lossy components used for matching

## APPLICATIONS:

- RCIED signal suppression
- Wideband monitoring
- High-power

## PRODUCT DESCRIPTION:

This wideband high-power omni-directional transmitting antenna is designed for full-coverage signal interception from 0.85 to 6 GHz. Housed in a small, rugged radome, the antenna is mounted on a vehicle roof or elevated groundplane.

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

The frequency range of this antenna includes the GSM 900 GSM 1800, 2.4 GHz and 5.6 GHz ISM bands. These are the bands in which many cellular telephones and wireless ("Wi-Fi") consumer devices that may be used as trigger mechanisms for RCIEDs.

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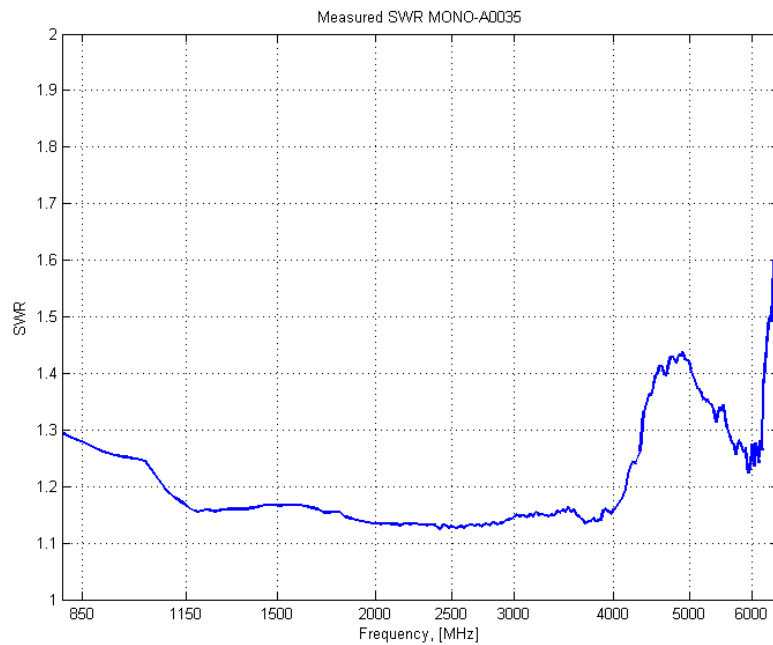
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## VSWR AND GAIN GRAPHS:

### VSWR GRAPH:



### GAIN GRAPH:

