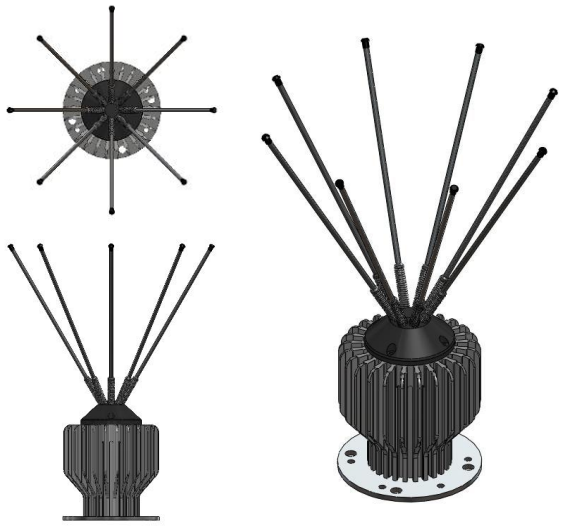
Wideband VHF/UHF Vehicle Antenna

100 – 600 MHz

Product Code: MONO-A0066

VERSION: 2.0



SPECIFICATIONS:

Electrical:	
Frequency range	100 – 600 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Feed power handling	120 W
Connector	N-type female
Gain: (on horizon over large ground plane):	0 dBi (±2 dB) typical See graph
E-plane 3 dB beamwidth	40º (± 10º)
Polarisation	Vertical
Mechanical:	
Height	500 mm
Diameter	Base 135 mm, radiator 250 mm
Weight	2 kg
Mounting base	NATO 4 and 6 hole flange
Environmental:	
Wind survival	160 km/h
Temperature (operational)	- 30 ºC to + 51 ºC
Temperature (storage)	- 30 ºC to + 71 ºC
Vibration (ground transportation)	MIL-STD-810E, Method 514.5, cat 1
Vibration (operational)	MIL-STD-617-1, type 1
Water ingress rating	MIL-STD-820F (506.4) IP 65

PRODUCT FEATURES:

- Wide frequency coverage (100 to 600 MHz)
- High-power, 120 W at 100% duty cycle
- Excellent VSWR
- Omni-directional azimuth pattern
- Rugged and hard-wearing
- Suited to low-profile applications

APPLICATIONS:

- RCIED suppression (force protection)
- Communications jamming

PRODUCT DESCRIPTION:

The MONO-A0066 is a high-power wideband antenna designed for jamming applications in the 100 to 600 MHz frequency band and recently upgraded for high-power handling and improved gain.

This omni-directional antenna has an excellent radiation pattern, no pattern break-up, and a consistently low VSWR across the entire frequency band. It can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications. The stainless steel radiators are equipped with spring mountings to allow whip-action and resistance to impacts and obstructions.

The antenna may be used at frequencies as low as 80 MHz if a higher VSWR and lower gain can be tolerated.

The antenna is designed for direct mounting to ground platform with aid of grounding strap provided.

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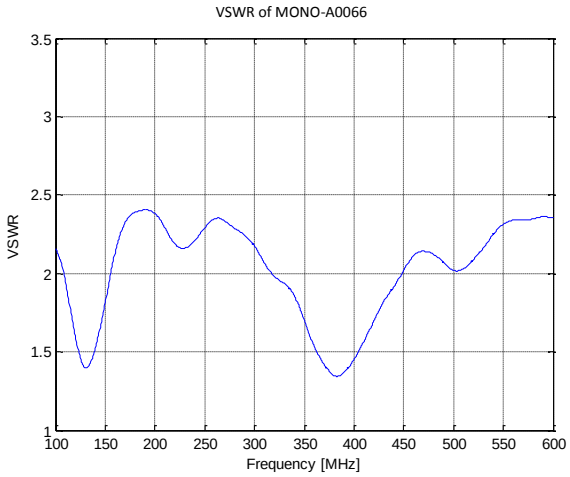
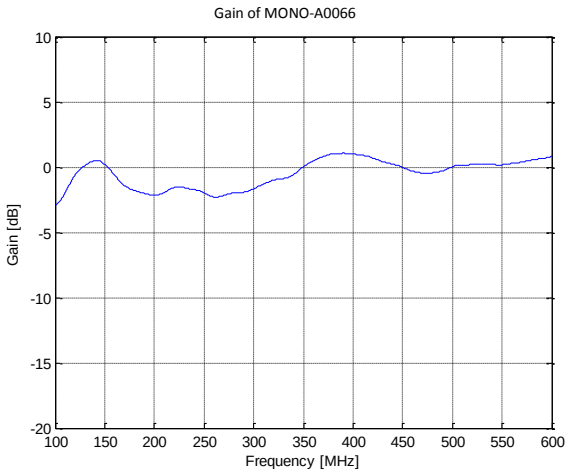
VSWR AND GAIN GRAPHS:

VSWR*



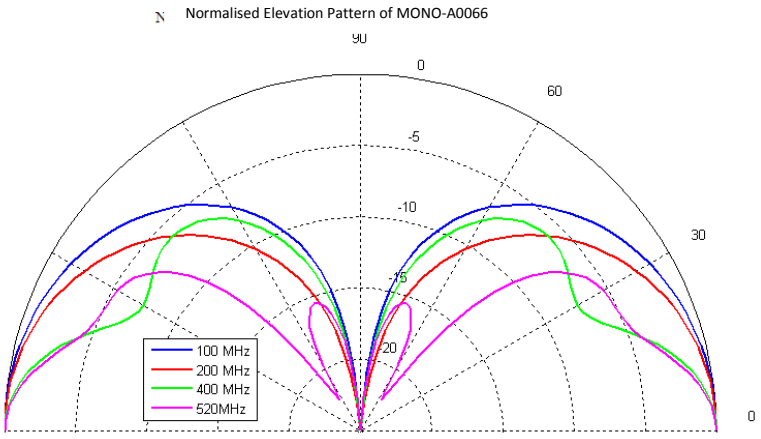
***Measured on ground plane 5000 mm x 2500 mm**

Gain**



****On horizon, on a typical vehicular ground plane**

ELEVATION PATTERNS***



****On infinite ground plane**

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DEFENCE AND SPECIALISED