

High-Power Wideband Jamming Antenna

20 – 3000 MHz

VERSION: 1.0

Product Code: OMNI-A0221



SPECIFICATIONS:

Electrical:	
Frequency range:	
Band A	20 – 180 MHz
Band B	500 – 3000 MHz
VSWR:	
Band A	< 3:1, typical
Band B	< 2.5:1
Gain	See graphs
Feed power handling:	
Band A	120 W CW
Band B	100 W
Polarisation	Vertical
Nominal input impedance	50 Ω
Connectors	2 x N-type female
Ground plane requirements:	
Band A	Ground plane dependent (1000 mm x 1000 mm recommended)
Band B	Ground plane independent
Mechanical:	
Dimensions:	
Total length	2100 mm
Base diameter	Ø140 mm
Maximum diameter	Ø200 mm
Total mass	< 9 kg
Mounting method	NATO flange 4 and 6 holes
Environmental:	
Wind survival	160 km/h
Temperature range	-30 °C to +70 °C
Shock and vibration	MIL-STD-810E 516.4: vibration category 8, shock 40 g
Water ingress rating	IP65

PRODUCT FEATURES:

- 20 to 3000 MHz frequency range
- Rugged and hard wearing
- Suited for vehicle mount applications

APPLICATION:

- Improvised explosive device (IED) suppression
- Communications jamming

RELATED PRODUCTS:

- OMNI-A0201

PRODUCT DESCRIPTION:

The OMNI-A0221 is a high-power, wideband jamming antenna designed for vehicle mounted applications. The antenna operates from 20 to 3000 MHz separated into 2 bands; Band A covers 20 to 180 MHz and Band B covers 500 to 3000 MHz.

Band A can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications. The insulated radiator is robust, hard-wearing and impervious to fuel, oil and hydraulic fluid.

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

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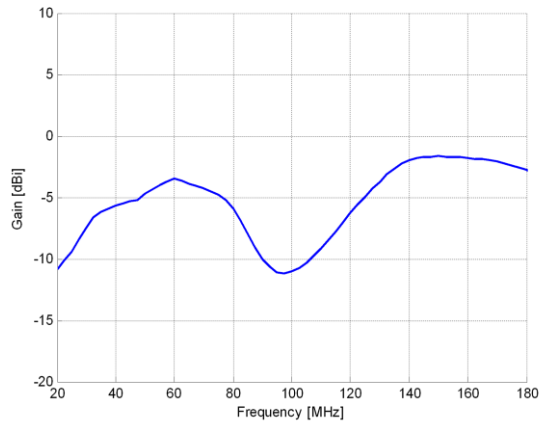
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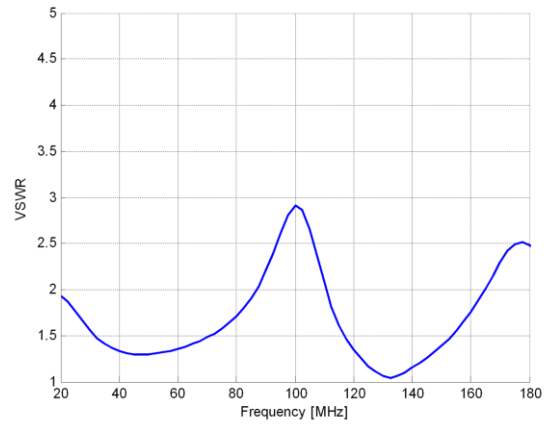
Typical gain:

Band A:

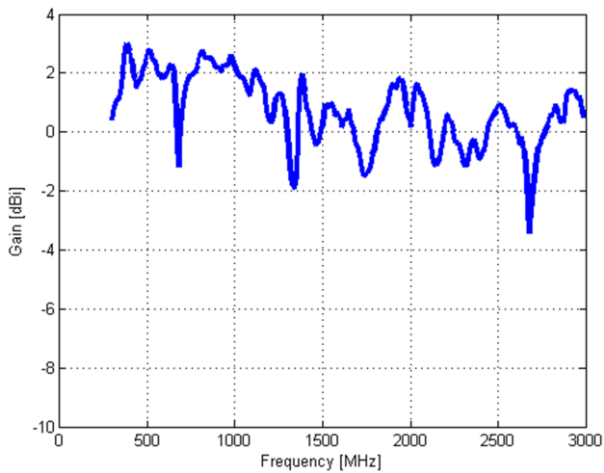


Typical VSWR:

Band A:



Band B:



Band B:

