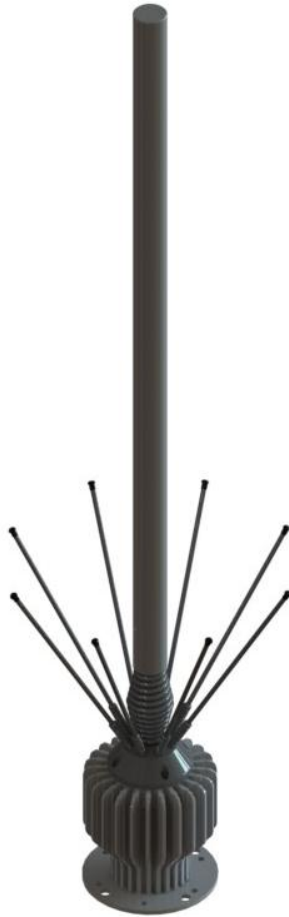


High-Power Wideband Jamming Antenna

100 – 6000 MHz

VERSION: 1

Product Code: OMNI-A0201



SPECIFICATIONS:

Electrical:	
Frequency range:	
Band A	100 – 500 MHz
Band B	800 – 1000 MHz
Band C	1800 – 2200 MHz
Band D	2000 – 6000 MHz
VSWR:	
Band A	< 2.5:1, typical
Band B	< 2:1
Band C	< 2:1
Band D	< 2.5:1
Gain	See graphs
Feed power handling:	
Band A	150 W CW
Band B	60 W
Band C	60 W
Band D	50 W
Polarisation	Vertical
Nominal input impedance	50 Ω
Connectors	4 x N-type female
Ground plane requirements:	
Band A	Ground plane dependent (1000 mm x 1000 mm recommended)
Band B + C + D	Ground plane independent
Mechanical:	
Dimensions:	
Total length	1100 mm
Base diameter	\varnothing 140 mm
Maximum diameter	\varnothing 300 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:

- 100 to 6000 MHz frequency range
- Rugged
- Suited for vehicle mount applications

APPLICATION:

- Improvised explosive device (IED) suppression
- Communications jamming

RELATED PRODUCTS:

- OMNI-A0221

PRODUCT DESCRIPTION:

The OMNI-A0201 is a high-power, wideband jamming antenna designed for vehicle mounted applications. The antenna operates from 100 to 6000 MHz separated into 4 bands; Band A covers 100 to 500 MHz, Band B covers 800 to 1000 MHz, Band C covers 1800 to 2200 MHz and Band D covers 2000 to 6000 MHz.

The stainless steel radiators as well as the fibreglass whip are equipped with spring mounting to allow whip-action and resistance to impacts and obstructions.

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

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Poynting Antennas has a policy of continuous improvement and hence specifications may change without notice

DEFENCE AND SPECIALISED

High-Power Wideband Jamming Antenna

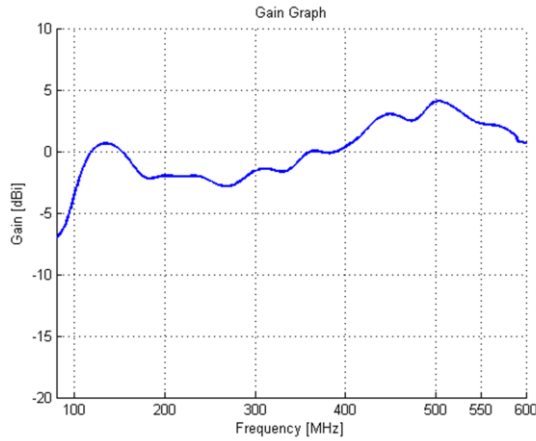
100 – 6000 MHz

Product Code: OMNI-A0201

VERSION: 1.1

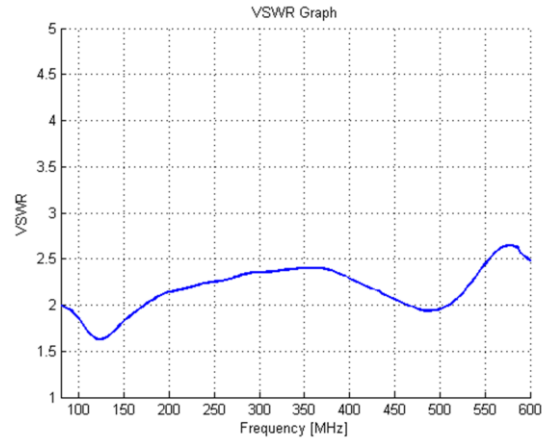
Typical gain:

Band A:

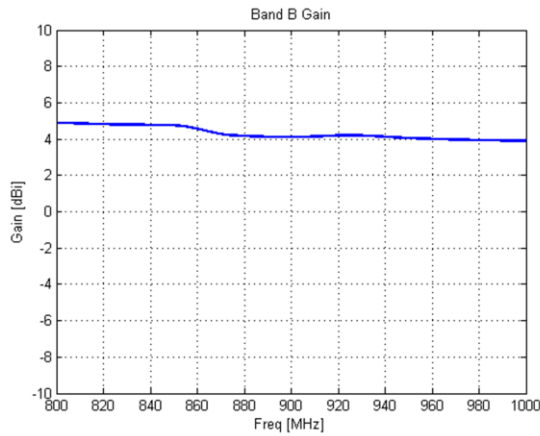


Typical VSWR:

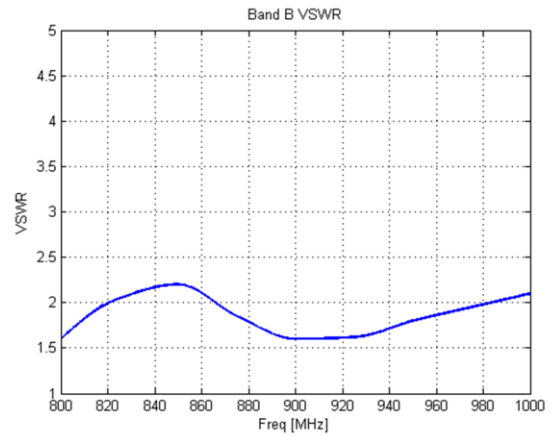
Band A:



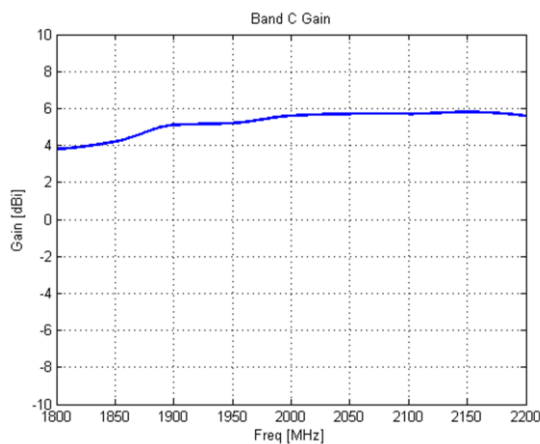
Band B:



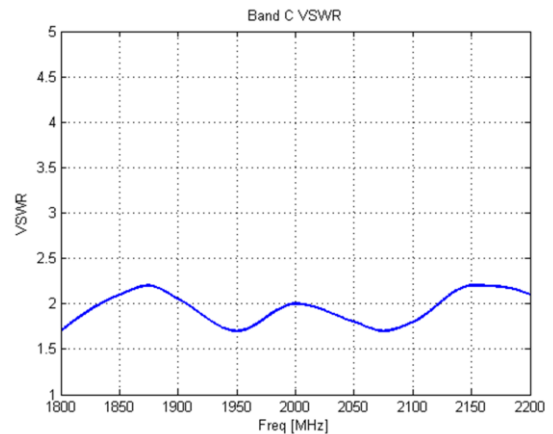
Band B:



Band C:



Band C:



High-Power Wideband Jamming Antenna

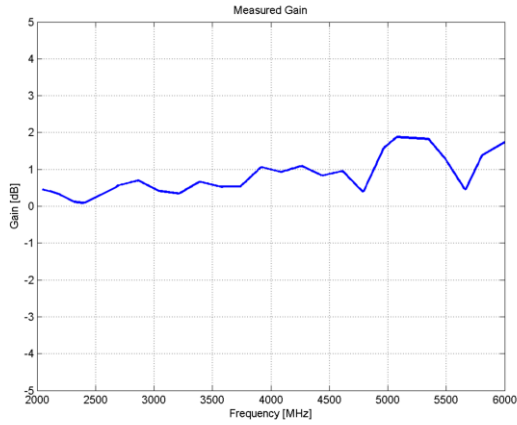
100 – 6000 MHz

Product Code: OMNI-A0201

VERSION: 1.1

Typical gain:

Band D:



Typical VSWR:

Band D:

