

# Vehicle-Mount Wideband High-Power Antenna

500 – 6000 MHz

VERSION: 1.7

Product Code: OMNI-A0266



## SPECIFICATIONS:

<b>Product versions:</b>	
OMNI-A0266	N-type female
OMNI-A0266-03	4.3-10 female
<b>Electrical:</b>	
Frequency range	500 – 6000 MHz
Gain	0 dBi typical (in band)
Azimuth pattern	Omni, 3 dB ripple
Elevation pattern	Narrow beam
Polarisation	Vertical
Nominal impedance	50 Ω
VSWR	< 2.5:1 or better
<b>Power handling:</b>	
500 – 2000 MHz	150 W CW
2000 – 4000 MHz	100 W CW
4000 – 6000 MHz	80 W CW
<b>Connector:</b>	
OMNI-A0266	N-type female at base
OMNI-A0266-03	4.3-10 female at base
Groundplane requirements	Groundplane independent
<b>Mechanical:</b>	
Dimensions (l x d)	580 mm x 80 mm
Total mass	< 1.6 kg
Mounting	NATO base flange, 4 and 6 holes
Colour	Black, others on request
<b>Environmental: designed to meet the following specifications</b>	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP65 water resistant (when flange is mounted)
Exposed materials	Painted e-glass Anodized aluminium E-coated steel

## PRODUCT FEATURES:

- Omni-directional wideband antenna
- Communications or signal interception
- Covers all handheld wireless bands

## PRODUCT OVERVIEW:

This wideband antenna is for signal interception of wireless communications. It is mounted on a 4/6 hole base with either a N-type or a 4.3-10 female connector. The fibreglass tube contains the groundplane independent radiator.

The array covers the GSM 900, PCS, UMTS/3G/LTE and Wi-Fi (both bands).

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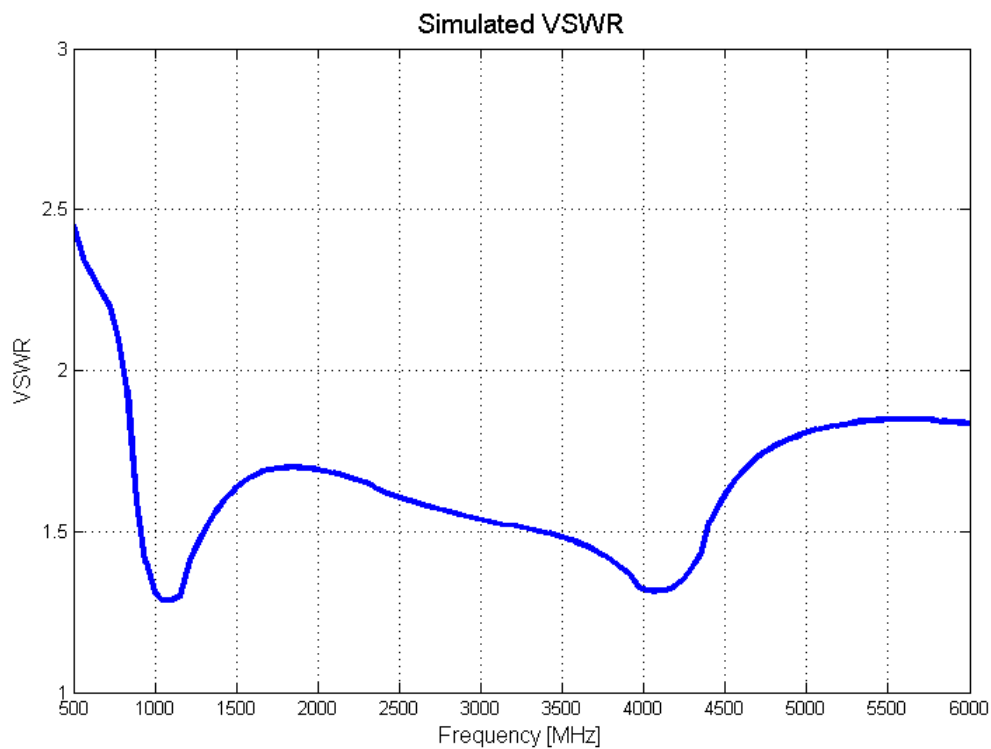
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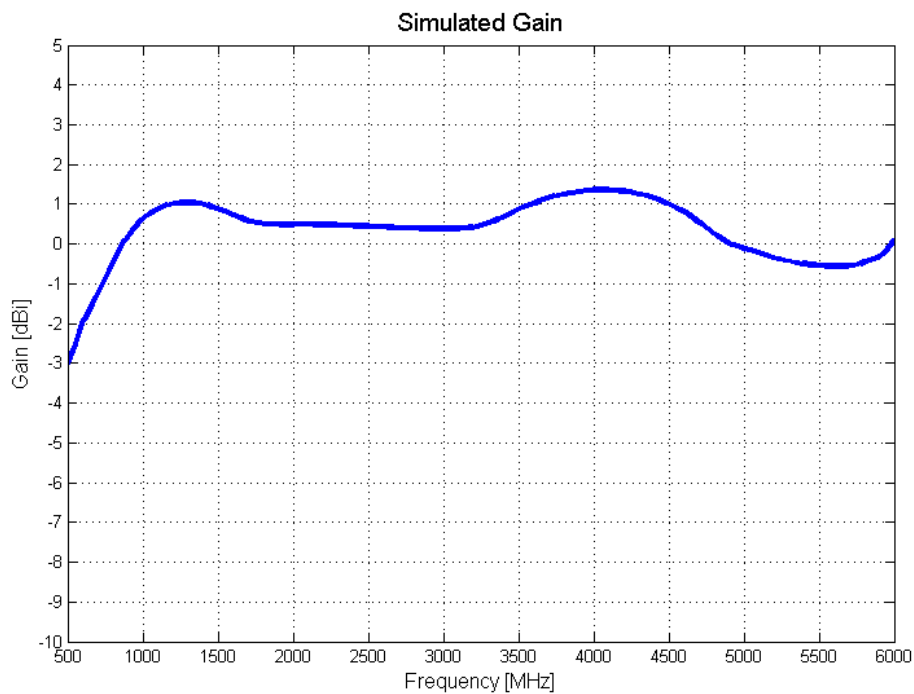
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Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:



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Radiation patterns:

