

Vehicle-Mount Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0266

VERSION: 1.5



SPECIFICATIONS:

| Product versions: | |
|---|--|
| OMNI-A0266 | N-type female |
| OMNI-A0266-03 | 4.3-10 female |
| Electrical: | |
| 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 |
| Power handling: | |
| 500 – 2000 MHz | 150 W CW |
| 2000 – 4000 MHz | 100 W CW |
| 4000 – 6000 MHz | 80 W CW |
| Connector: | |
| OMNI-A0266 | N-type female at base |
| OMNI-A0266-03 | 4.3-10 female at base |
| Groundplane requirements | Groundplane independent |
| Mechanical: | |
| 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 |
| Environmental: designed to meet the following specifications | |
| 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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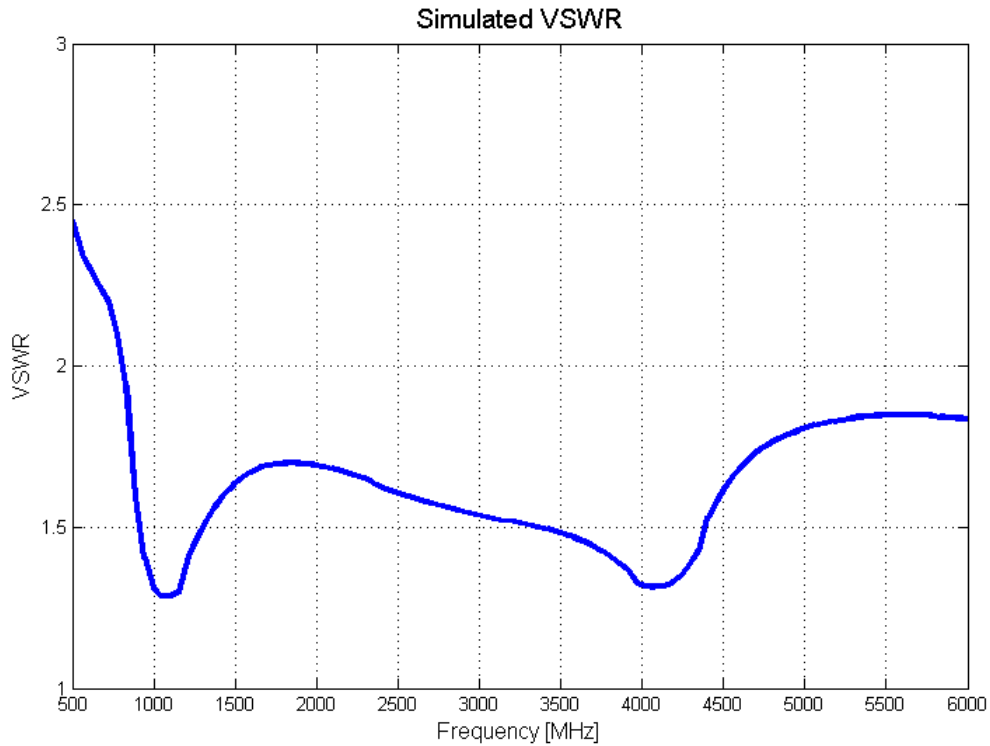
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Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:

