

Manpack Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265-01

VERSION: 1.2



SPECIFICATIONS:

| 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 | < 2:1 or better |
| Power handling: | See graph below |
| Connector | 7/16-type male at base |
| Groundplane requirements | Groundplane independent |
| Mechanical: | |
| Dimensions (l x d) | 527 mm x 83 mm |
| Total mass | < 1kg |
| Mounting | On 7/16-type connector at base |
| 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 connector is properly fastened) |
| 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 interception of wireless communications. It is mounted on a 7/16 connector at the base of the antenna. The fiberglass 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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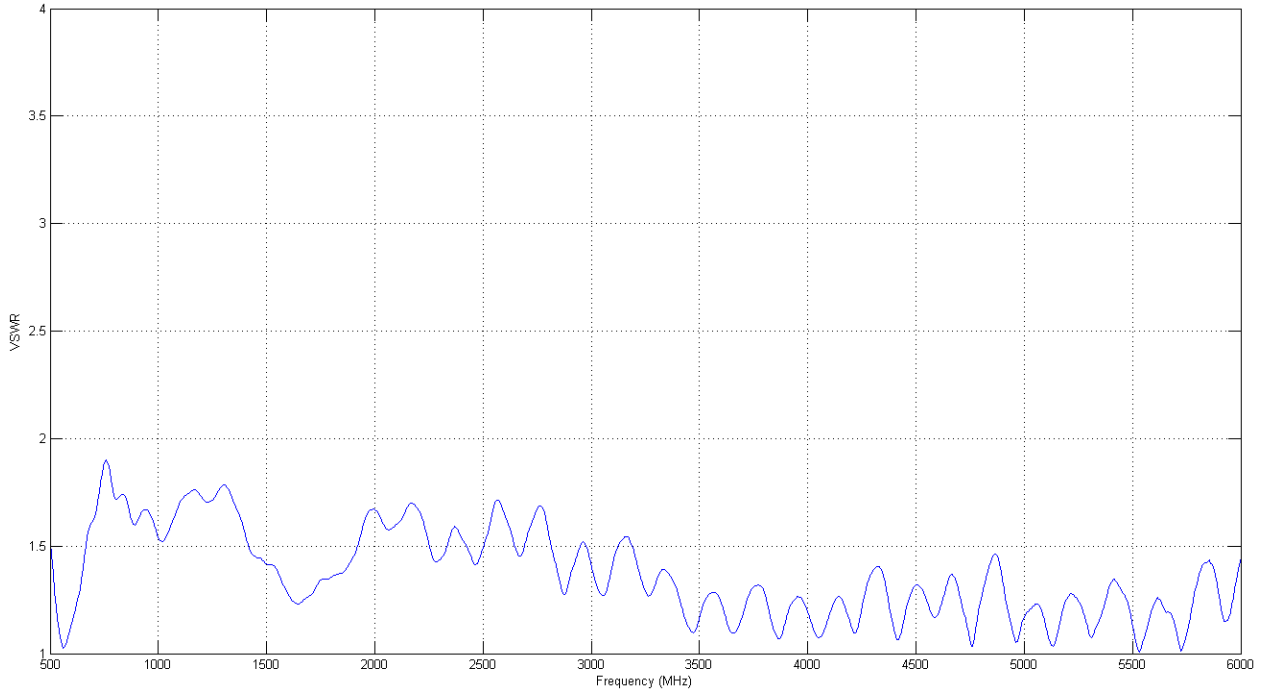
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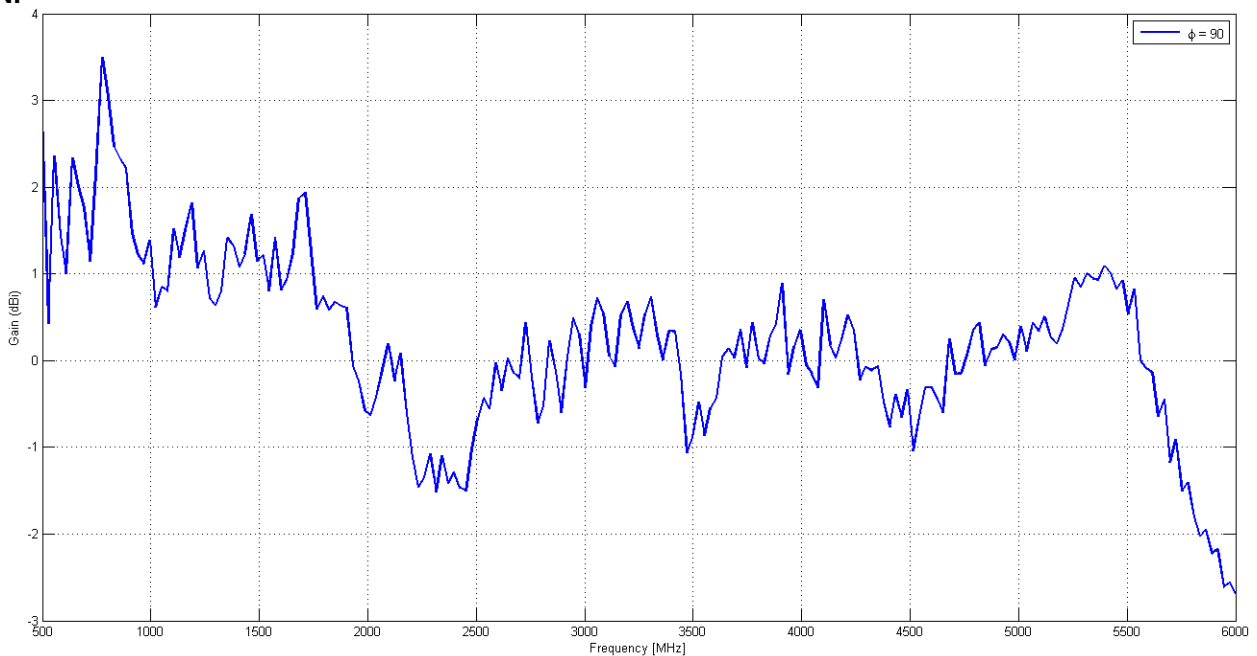
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Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:



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195 Follen Road
Lexington, Massachusetts
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781-430-0675



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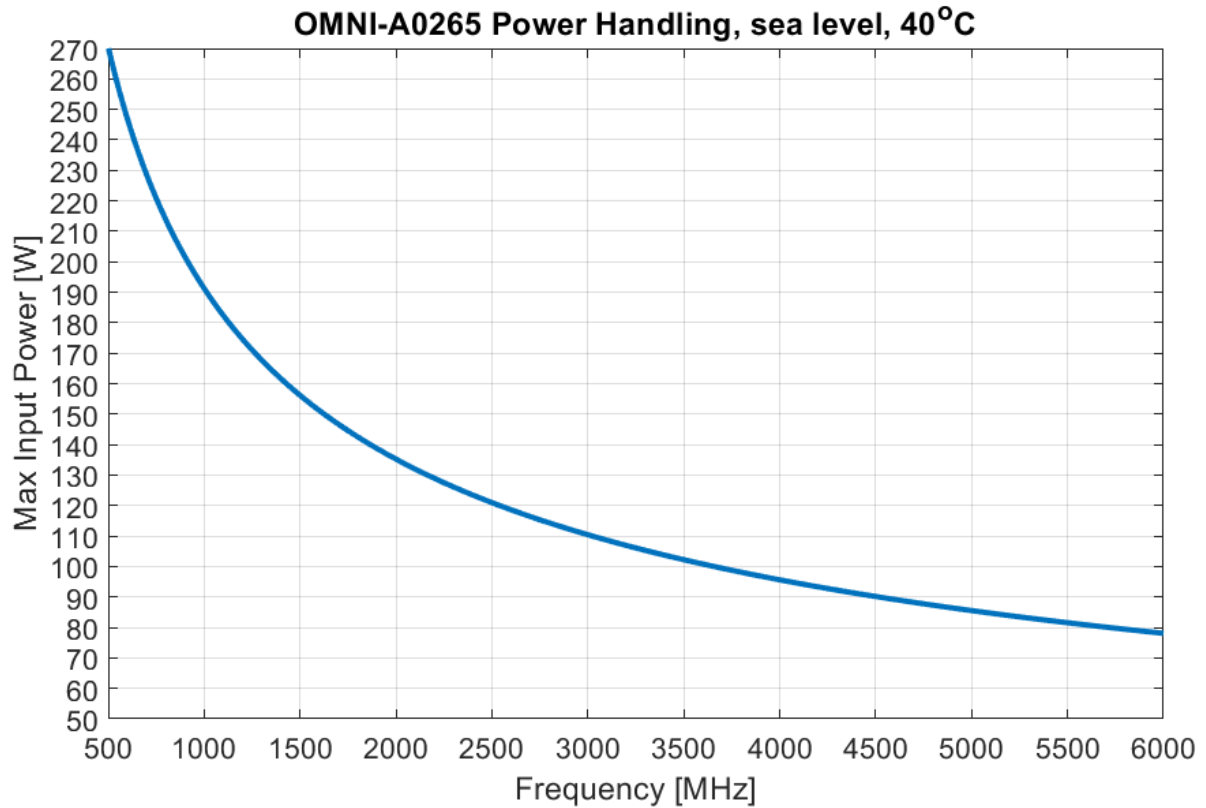
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Power Handling:



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