

Mast Mount Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265-02

VERSION: 1.3



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	N-Type male at base
Groundplane requirements	Groundplane independent
Mechanical:	
Dimensions (l x d)	527 mm x 83 mm
Total mass	< 1kg
Mounting	Mast mount with stand-off clamp, not supplied
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 OVERVIEW:

This wideband antenna can be used for interception of wireless communications. It is mounted by clamping the antenna to a mast or other fixed structure with use of a stand-off clamp. The fibreglass tube contains the groundplane independent radiator

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

RELATED PRODUCTS:

- **OMNI-A0265-01** – Manpack Wideband High-Power Antenna
- **OMNI-A0266** – Vehicle Mount Wideband High-Power Antenna

PRODUCT FEATURES:

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

Manpack Wideband High-Power Antenna

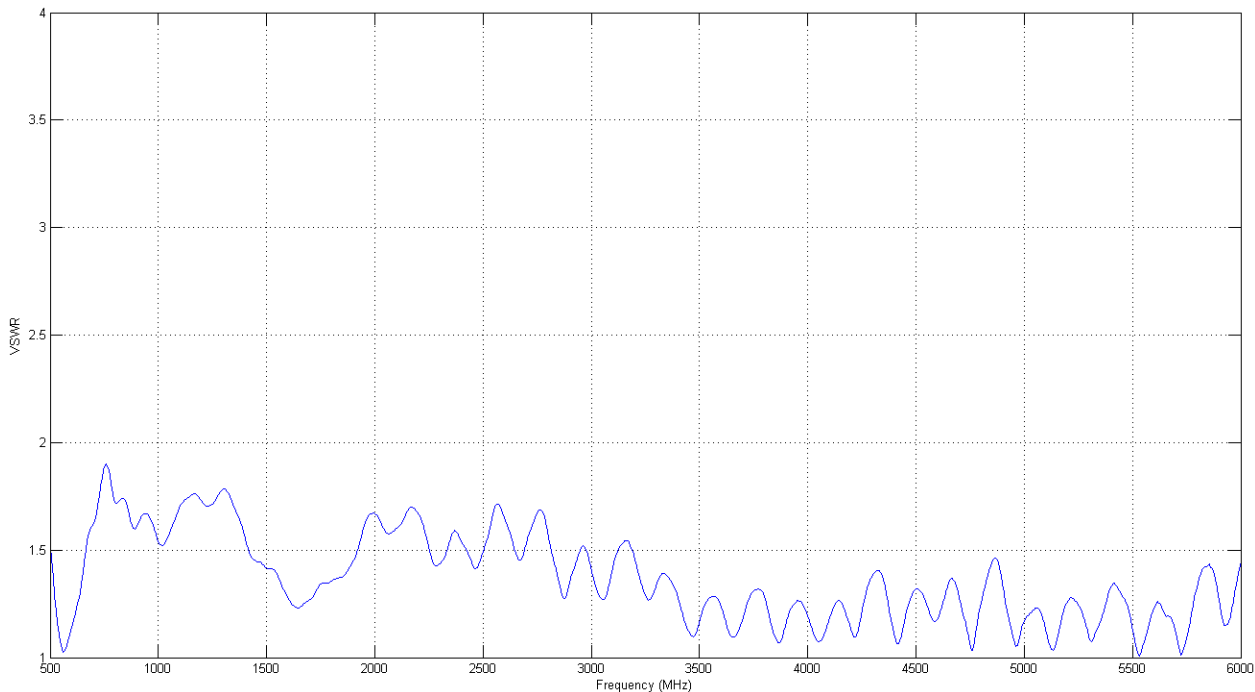
500 – 6000 MHz

Product Code: OMNI-A0265-02

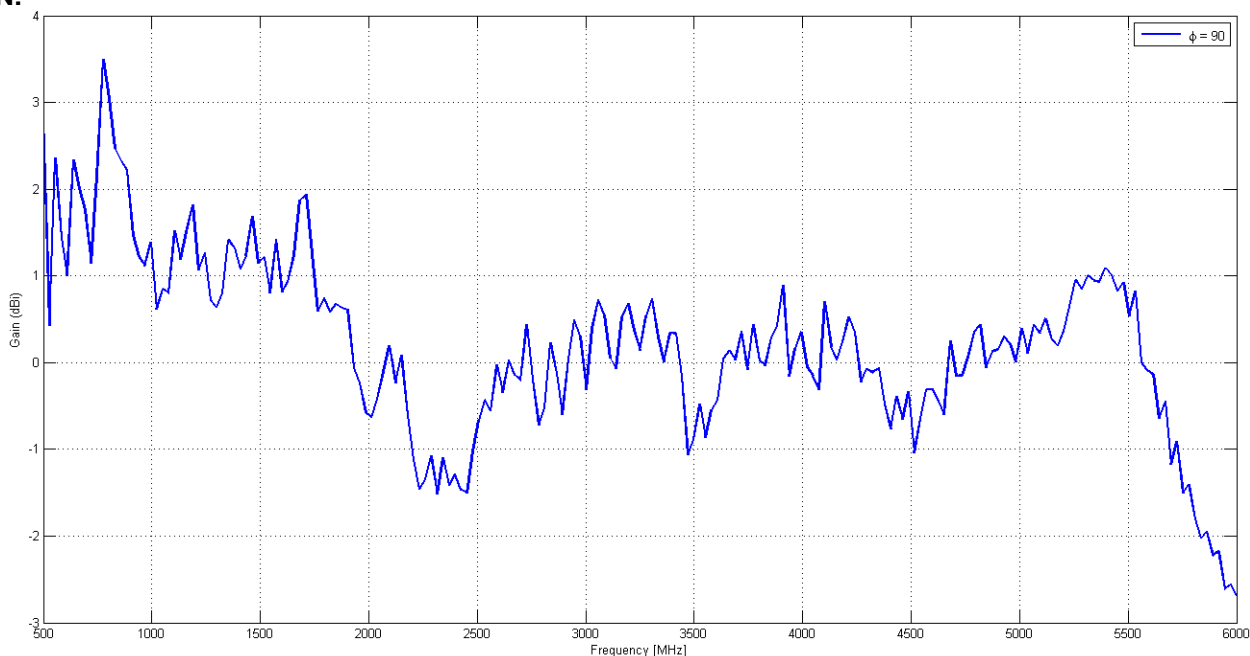
VERSION: 1.3

Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:



Manpack Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265-02

VERSION: 1.3

Power Handling:

