

Manpack Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265

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	< 2.5:1 or better
Power handling:	
500 – 2000 MHz	150 W CW
2000 – 4000 MHz	100 W CW
4000 – 6000 MHz	80 W CW
Connector	N-type male at base
Groundplane requirements	Groundplane independent
Mechanical:	
Dimensions (l x d)	535 mm x 83 mm
Total mass	< 1kg
Mounting	On N-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	IP67 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 N-type connector at the base of the antenna. The fibreglass tube contains the groundplane independent radiator

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

Manpack Wideband High-Power Antenna

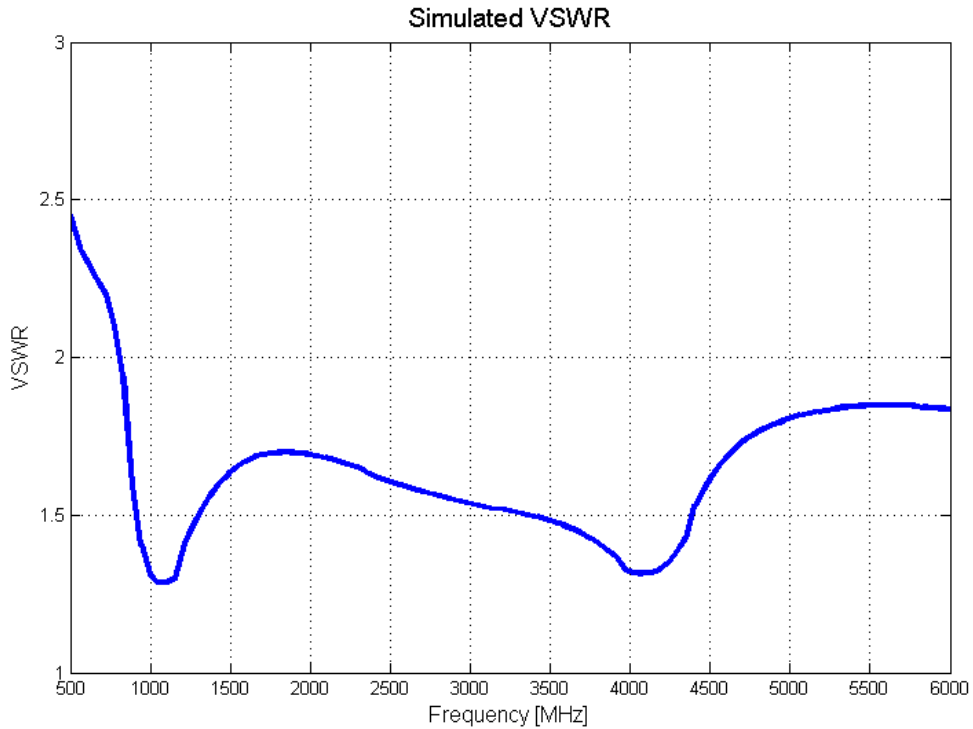
500 – 6000 MHz

Product Code: OMNI-A0265

VERSION: 1.3

Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:

