



SPECIFICATIONS:

Product code:	
OMNI-A0137	TNC (M) connector
OMNI-A0137-01	N-type (M) connector
Electrical:	
Frequency range	4400 – 5000 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Feed power handling	10 W
Gain (typical)	4 – 5 dBi
Polarisation	Vertical
Azimuth ripple	±1 dB
Mechanical:	
Height	180 mm
Diameter	22 mm
Total mass	100 g
Colour	Black
Mounting method	Direct to connector
Groundplane requirement	Groundplane independent
Environmental: designed to meet the following specifications	
Wind survival	100 km/h
Temperature (operational)	-31 °C to +51 °C
Temperature (storage)	-31 °C to +71 °C
Vibration	MIL-STD-167-1 type 1
Shock	20 G / 10 mS X,Y,Z axes
Water and dust resistance	MIL-STD-820F (506.4)

PRODUCT FEATURES:

- Collinear design gives better gain than dipole and monopole antennas
- Low VSWR across the band
- Rugged and lightweight

APPLICATIONS:

- Communications

PRODUCT DESCRIPTION:

The OMNI-A0137 is a wideband, high gain omni-directional antenna for use in the 4.4 to 5.0 GHz frequency range at high-power levels up to 10 W.

The OMNI-A0137 utilises a specially designed wideband collinear dipole array radiator with integrated balun, making it groundplane independent and suitable for use on any mounting platform, such as manpacks and mobile electronic devices, and providing higher gain than many competing antennas across the high frequency range in which it operates. The antenna is designed and intended for use in extreme operational conditions.

High Gain C-Band Omni

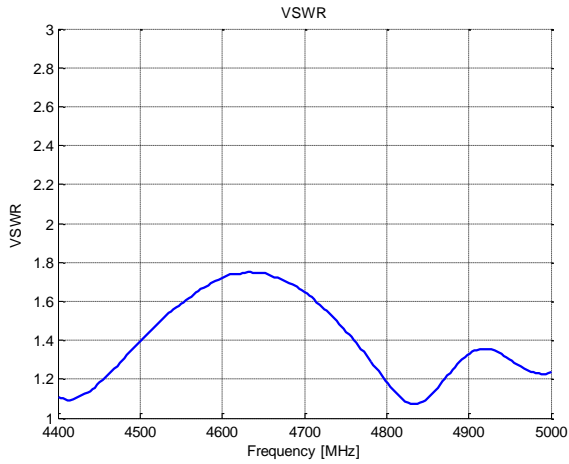
4.4 – 5.0 GHz

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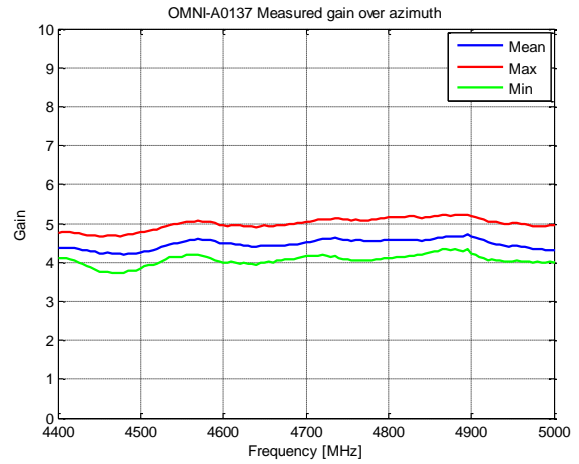
VERSION: 1.6

VSWR AND GAIN GRAPHS:

VSWR:



GAIN:



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