ALARIS ANTENNAS
INSPIRING THE NEXT RF SOLUTION

100 – 6000 MHz

VERSION: 1.4

Product Code: OMNI-A0306

SPECIFICATIONS:

Electrical:	
Frequency:	
Band A	100 – 500 MHz
Band B	500 – 1000 MHz
Band C	1000 – 2500 MHz
Band D	2500 – 6000 MHz
VSWR:	
Band A	< 2.5:1
Band B	< 2.5:1
Band C	< 2.5:1
Band D	< 2.5:1
Nominal input impedance	50 Ω
Connector	4 x N-type female
Power:	
Band A	150 W
Band B	100 W
Band C	100 W
Band D	50 W
Polarisation	Vertical
Pattern	Omni-directional
Gain	See graphs
Groundplane requirements	Required (1500mm x 1500mm recommended)

Mechanical:	
Base (d x h)	140 mm x 1100 mm
Radiator diameter	< 86 mm
Weight	< 6 kg

Environmental: designed to meet the following specifications	
Wind survival	180 km/h
Temperature range	- 30 °C to +70 °C
Water ingress rating	IP65

PRODUCT FEATURES:
- 100 to 6000 MHz frequency range
- Rugged
- Suited for vehicle-mount applications

APPLICATION:
- High-power applications

PRODUCT DESCRIPTION:

The OMNI-A0306 is a high-powered antenna designed for vehicle applications in the 100 to 6000 MHz frequency band. The antenna may be used at frequencies as low as 80 MHz if a higher VSWR and lower gain can be tolerated.

The fibre glass radome is equipped with spring mounting to allow whip-action and resistance to impacts and obstructions.

Band A is groundplane dependent and a ground strap is provided to aid with grounding. Bands B, C and D are ground plane independent.
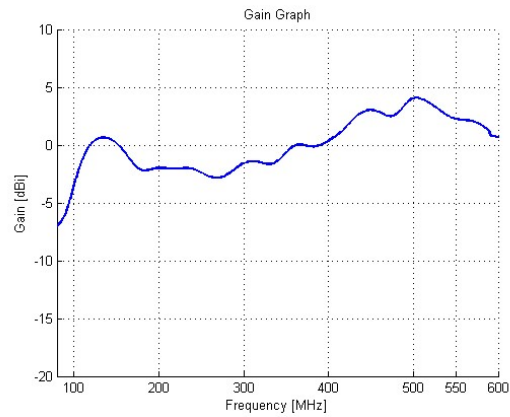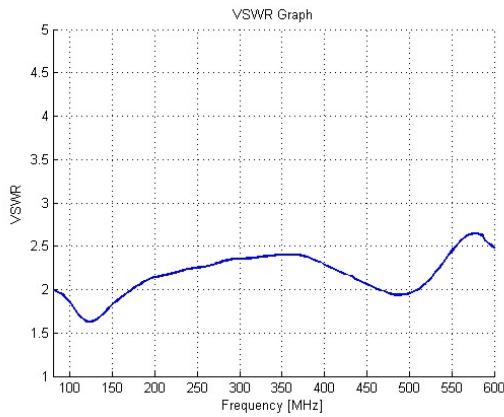
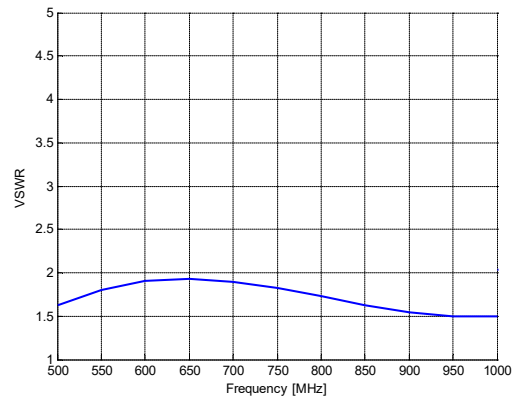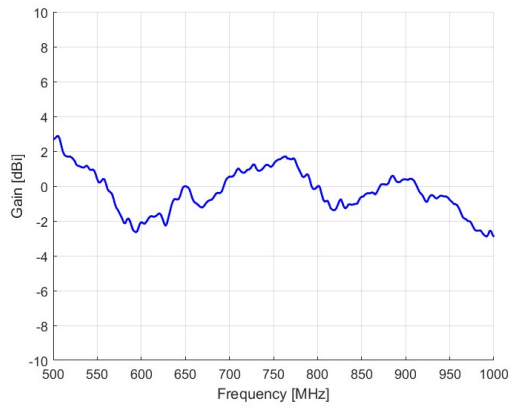# High-Powered Antenna

100 – 6000 MHz

Product Code: OMNI-A0306

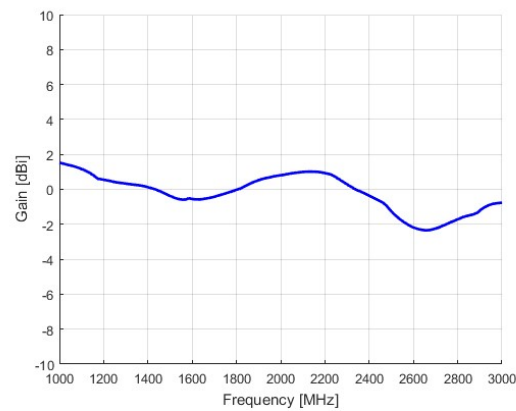**VSWR AND GAIN, BAND A:**

VSWR AND GAIN, BAND B:

VSWR AND GAIN, BAND C:

VSWR AND GAIN, BAND D: