

Vehicle Mount VHF Monitoring Antenna

20 – 500 MHz

Product Code: OMNI-A0346

VERSION: 1.0



SPECIFICATIONS:

Electrical:	
Frequency range	20 – 500 MHz
Gain	See graph
Nominal impedance	50 Ω
Power handling	Receive only
Groundplane requirements	Groundplane dependent; Minimum 400 mm x 200 mm x 500 mm manpack recommended
Mechanical:	
Dimensions of whip (l x d)	1500 mm x 135 mm max
Total mass	< 1.6 kg
Mounting	NATO base flange, 4 and 6 holes
Colour	Black, others on request
Environmental: designed to meet the following specifications	
Temperature range	Storage: -30 °C to +70 °C
Weatherproofing	IP66 rain resistant (when mounted on a connector)
Shock and vibration	MIL-STD-810E 516.4: vibration category 8, shock 40 g
Exposed materials	Painted aluminium and stainless steel. Fibreglass

PRODUCT FEATURES:

- High efficiency VHF antenna
- Full-band coverage, takes the place of two regular monitoring antennas
- Proven flexible base spring protects the antenna

APPLICATION AREAS:

- Vehicle monitoring systems
- Wideband monitoring

PRODUCT DESCRIPTION:

This wideband vehicle mount antenna covers the full VHF band with some extension to 20 MHz and 500 MHz. It is mounted on a NATO 4/6 hole flange base and is spring loaded for flexibility.

By covering the full VHF band in one antenna, it replaces two conventional monitoring antennas, reducing clutter and visual signature on the vehicle installation.

Manpack VHF Monitoring Antenna

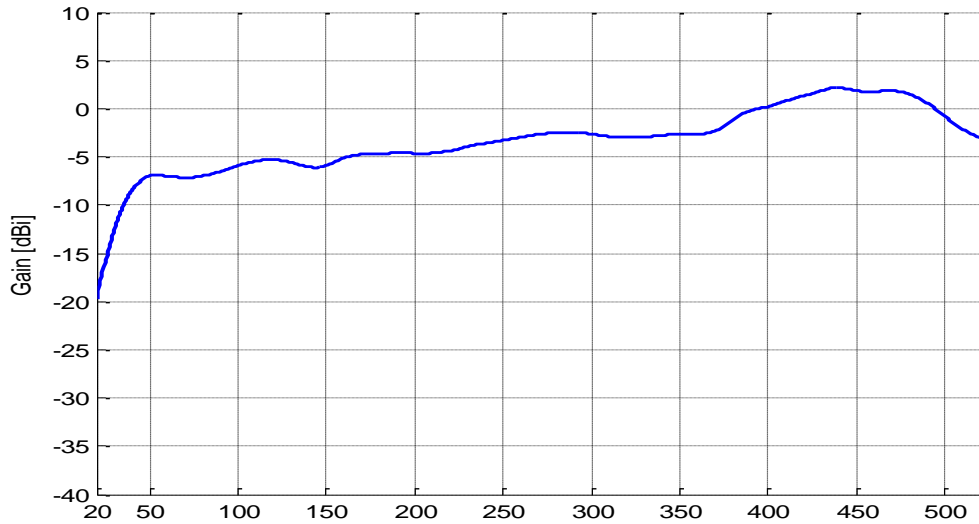
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GAIN AND VSWR GRAPHS:

GAIN:



Radiation patterns:

E-PLANE PATTERN:

Radiation Patterns for OMNI-A0217 (Elevation)

