![Alaris Antennas logo - GAIN THE ADVANTAGE]

Wideband HF/VHF/UHF Vehicle Antenna

20 – 520 MHz
Product Code: OMNI-A0195

SPECIFICATIONS:

Product codes:	
OMNI-A0195	N-type female
OMNI-A0195-03	4.3-10 female
Electrical:	
Frequency range	20 – 520 MHz
VSWR	< 3:5:1
Nominal input impedance	50 Ω
Feed power handling	Receive only

Connector
  OMNI-A0195
  OMNI-A0195-03
	
	N-type female
	4.3-10 female

Gain:	See graph
E-plane 3 dB beamwidth	40º (± 10º)
Polarisation	Vertical
Groundplane requirement	Groundplane dependent (1000 mm x 1000 mm recommended)
Mechanical:	
Height	600 mm ± 5 mm
Diameter	Base 135 mm, radiator 35 mm
Weight	< 2 kg
Mounting base	NATO flange, 6 holes
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature (operational)	- 30 ºC to + 51 ºC
Temperature (storage)	- 30 ºC to + 71 ºC
Vibration (ground transportation)	MIL-STD-810E, Method 514.5, cat 1
Vibration (operational)	MIL-STD-810E
Water ingress rating	IP 65

PRODUCT FEATURES:

- Wide frequency coverage (20 to 520 MHz)
- Omni directional azimuth pattern
- Rugged and hard-wearing
- Suited to low-profile applications

APPLICATIONS:
- Communications monitoring

PRODUCT DESCRIPTION:

The OMNI-A0195 is a passive monitoring antenna designed to operate in the 20 to 520 MHz frequency band.

This omni directional antenna has an excellent radiation pattern, no pattern break-up, and a consistently low VSWR across the entire frequency band.

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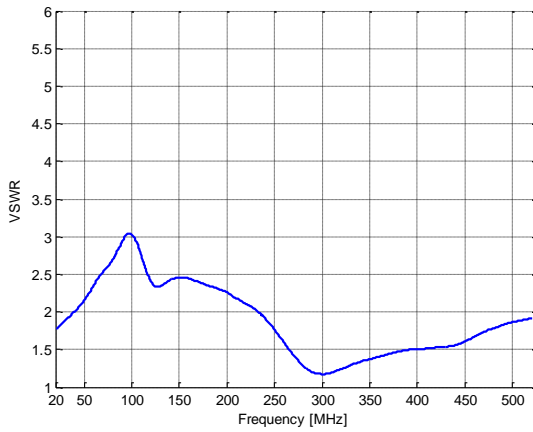# Wideband HF/VHF/UHF Vehicle Antenna

20 – 520 MHz

Product Code: OMNI-A0195

VSWR AND GAIN GRAPHS:

VSWR:

Gain:

ELEVATION PATTERNS***

Normalised elevation pattern of OMNI-A0081 (infinite ground)

- 100 MHz
- 200 MHz
- 400 MHz
- 520MHz
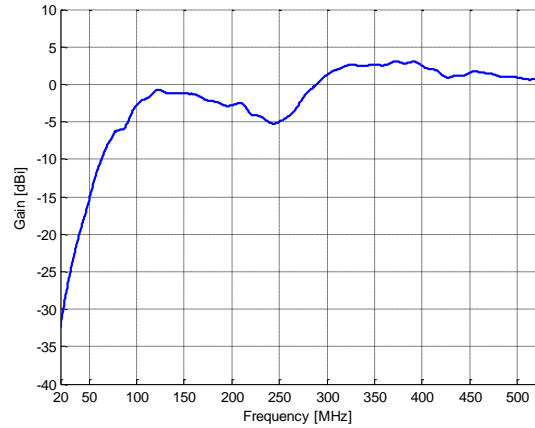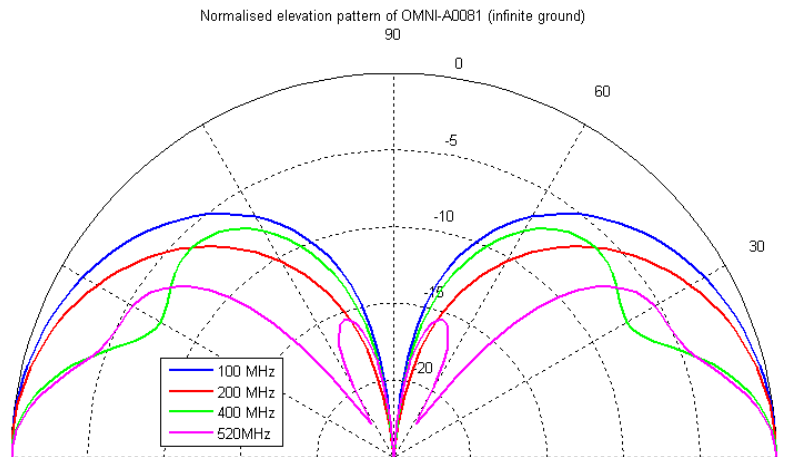
***On infinite groundplane

Updated 2022-09-21

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Alaris Antennas has a policy of continuous improvement and
hence specifications may change without notice