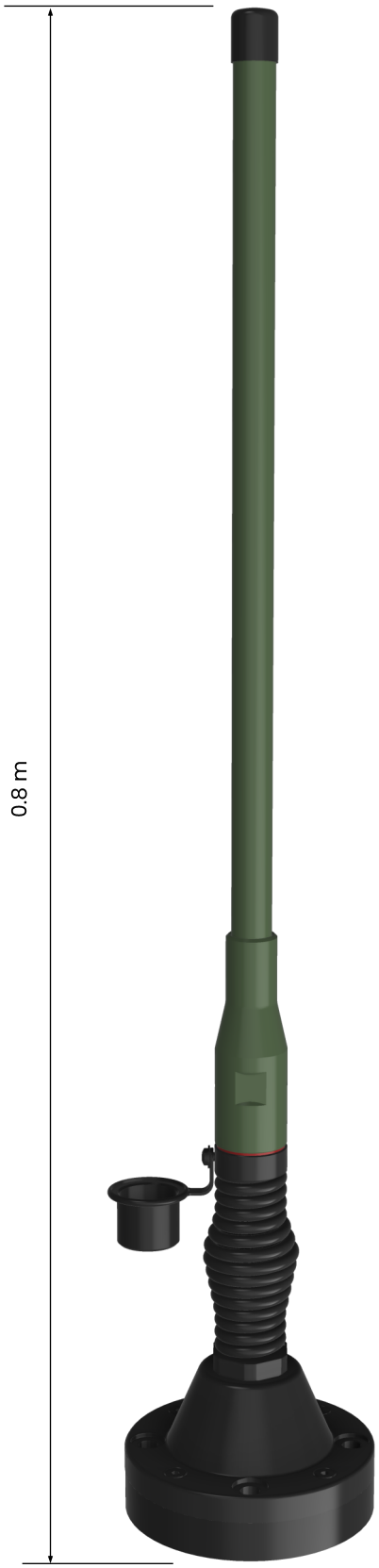
UHF2450VM-8

WLAN vehicle whip, dipole, 0.8 m, 2400-2500 MHz

Tactical Antennas: Vehicle Mount



Technical Description

- High gain antenna for the Wireless LAN
- 2400-2500 MHz, IEEE 802.11g
- Stacked dipole design
- Designed for operation on all kinds of vehicles including Jeeps, Trucks and other armoured vehicles
- Suitable for operation on shelters, mounted on masts or on other permanent installations
- NATO 4-hole flange base with spring
- Antenna base with L1 or L1/L2 GPS option

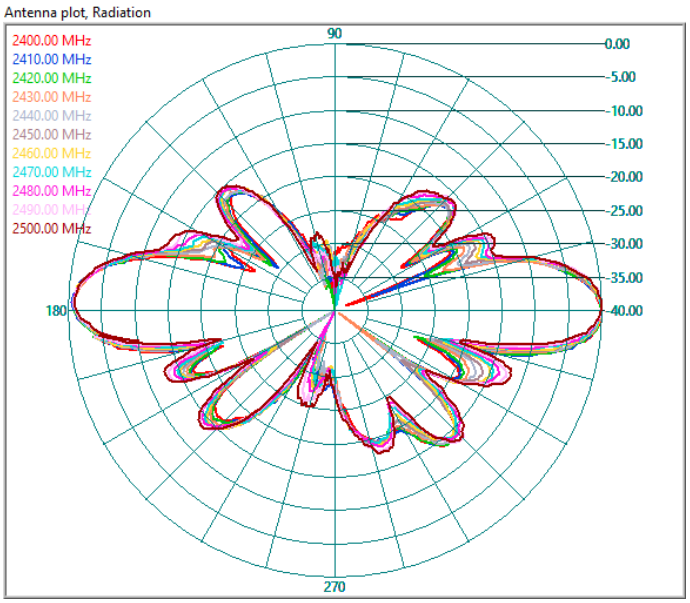
Electrical Specifications

Frequency Range	2400-2500 MHz
VSWR	< 2
Nominal Impedance	50 ohm
Power Rating	5 W CW
Gain	8dBi nominal
Radiation Pattern	Omnidirectional
Polarisation	Vertical
Connector	N female, others on request

Mechanical Specifications

Design	Phased λ/2 elements in a collinear array. Radiating element completely enclosed in epoxy fibreglass laminate. Metal parts are brass and stainless steel.
Length	0.8 m (standard spring base)
Weight	3.25 kg (standard spring base)
Wind Rating	55 m/s = 201 kph
Finish	Polyurethane lacquer, olive drab.
Temperature Range	- 55°C to + 71°C

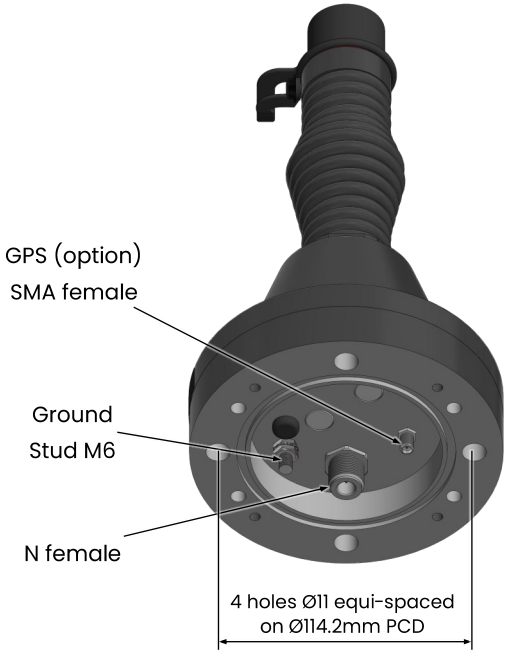
Radiation Pattern (typical)



Base Details & Connections

Base height 244mm (standard)
Base height 262mm (with GPS option)

CEF connection
on top of the base



Mounting flange Ø139mm, thickness 37mm

GPS Electrical Specifications

	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	1227.60 ± 10 MHz 1575.42 ± 10 MHz
Power Supply	2.7-5.5 V @ <60mA, + centre	2.7-5.5 V @ <60mA, + centre
Amplifier Gain	25 dB, GPS	25 dB, GPS
Pre-amplifier	26.5 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Polarisation	RHCP	RHCP

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