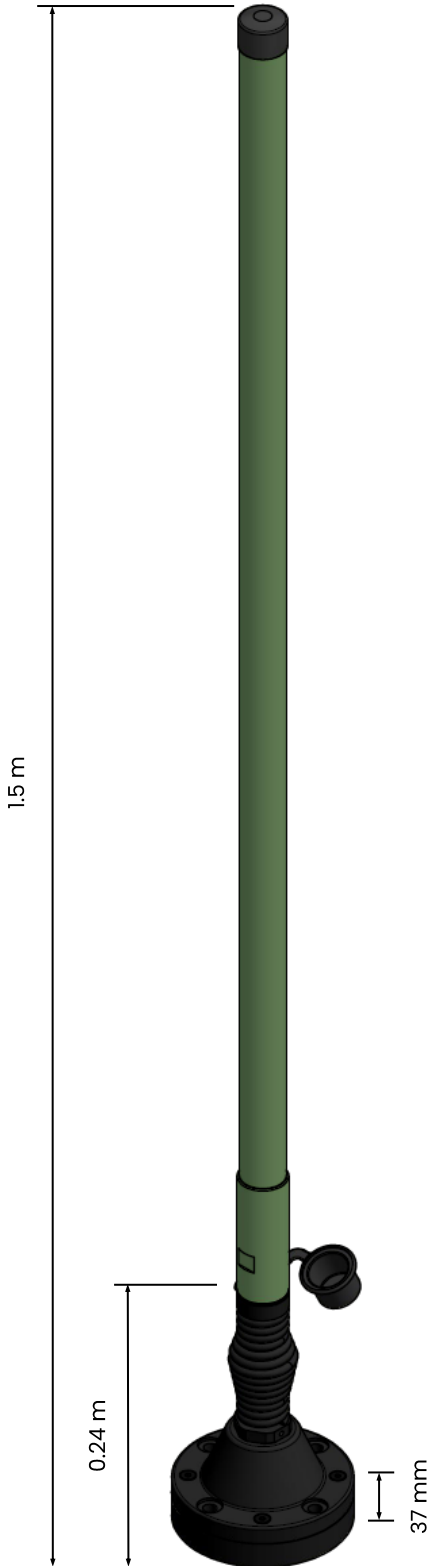


UHF727VM-DB-HG

UHF vehicle whip, dual-band, dipole/dipole, 1.5 m,
690–960 MHz, 1690–2690 MHz

Naval Antennas and Systems: Shipboard



4-hole vehicle spring base
version shown

(base options shown on page 2)

Description

The UHF727VM-DB-HG is a dual-band tactical LTE antenna for military or highly demanding environments. Designed to deliver outstanding performance across a wide range of LTE bands, this antenna fully supports battlespace digitisation.

The dipole array design ensures maximum gain, expanding network coverage in the field. The antenna is suitable for use with base stations (eNodeB) as well as with mobile terminal devices where it can be used to connect to public infrastructure or to dedicated networks.

The antenna is designed for use on all modern in-service military platforms, including armoured or soft skin, metal chassis or composite, wheeled or tracked. A full range of mounting options are also available for static mounting on shelters or deployable masts.

Electrical Specifications

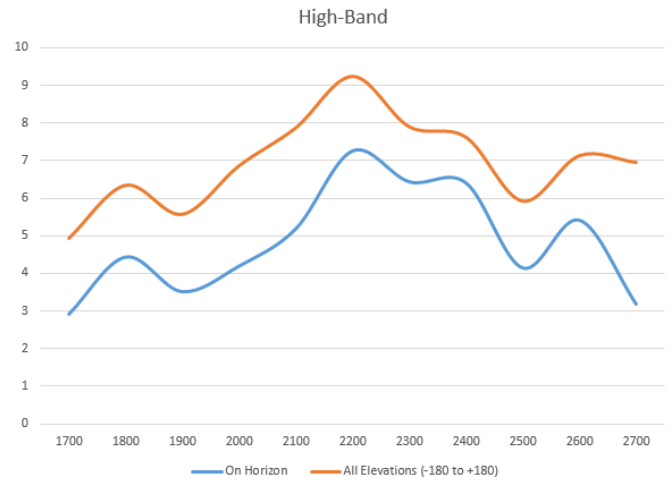
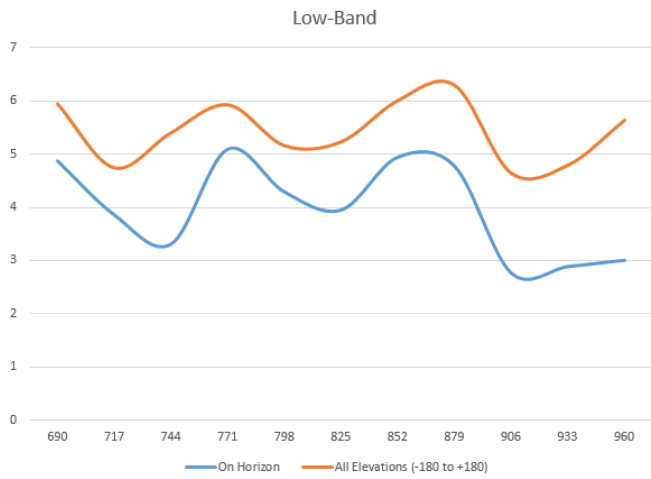
Frequency Range	690–960 MHz 1690–2690 MHz
VSWR[#]	≤ 3:1
Nominal Impedance	50 Ω
Power Rating	50 W Peak, 20 W CW
Gain	See plots
Radiation Pattern	Azimuth: Omnidirectional Elevation: See plots
Polarisation	Vertical
Connector	N female, others on request

Mechanical Specifications

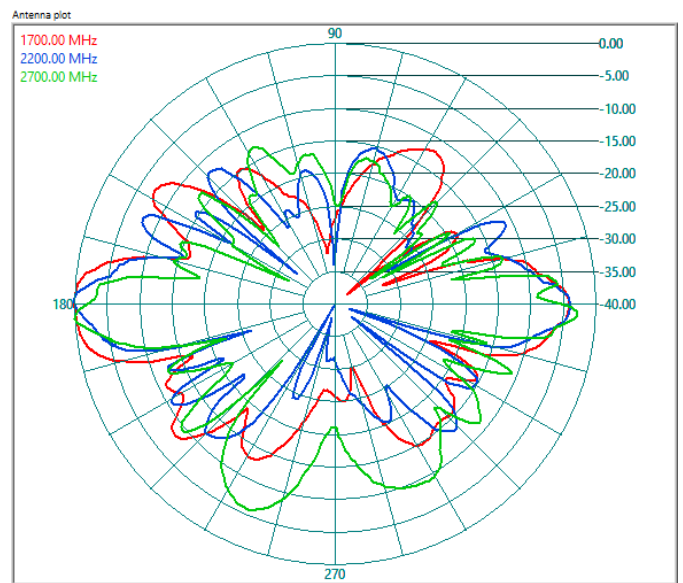
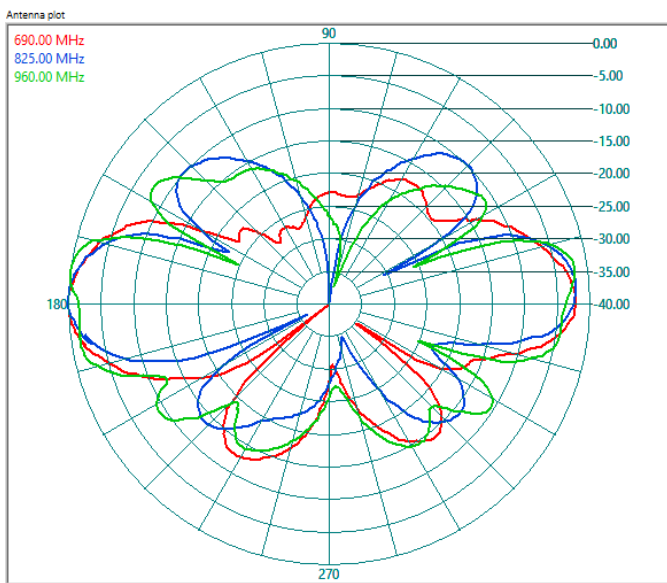
Design	Dual broadband dipole arrays. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length[#]	Total: 1.5 m Whip: 1.28 m Base: 0.24 m
Weight[#]	Total: 3.7 kg Whip: 1.2 kg Base: 2.5 kg
Wind Rating	55 m/s = 201 km/h
Finish	Polyurethane lacquer, olive drab, other colours on request
Temperature Range	- 55°C to + 71°C
Installation	Standard 4 hole NATO base with spring

[#] Standard 4-hole vehicle mounted version

Gain



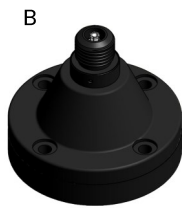
Elevation Patterns



Base Options



A
NATO 4-hole
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm



B
NATO 4-hole
Rigid (no spring)
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm



C
NATO
50mm Thread
Base diameter 95 mm



D
Mast Mount Bracket
Rigid (no spring)
24 mm Spigot
50 mm Spigot
Customer Specified



E
Tube Clamp Adaptor
Clamp area diameter 38 mm
Clamp area length 80 mm
N-type female bottom connector

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All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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