

Description:

The UHF710VM/HG is a tactical LTE antenna for military or highly demanding environments. Designed to deliver outstanding performance in LTE band 14 (US Public Safety), 20, 28 and other adjacent bands, the antenna fully supports battlespace digitisation.

The collinear 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.

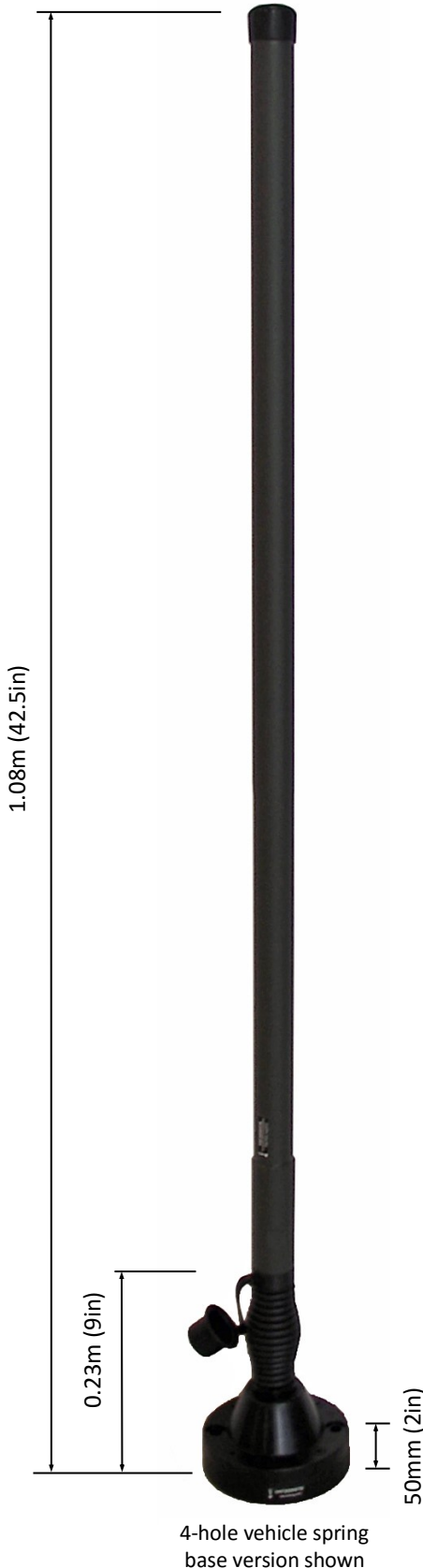
Electrical specifications:

Frequency range	700-960 MHz
VSWR	≤ 3:1 (see plot)
Nominal impedance	50 ohm
Power rating	50 W
Gain	See plot
Radiation pattern	Azimuth: Omnidirectional
Polarisation	Vertical
Connector	BNC female, others on request

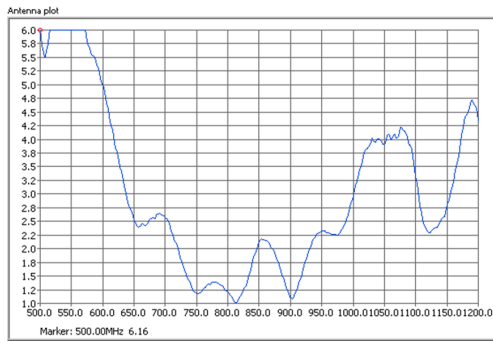
Mechanical specifications:

Design	Broadband collinear dipole array. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length [#]	Total: 1.08 m (42.5 in) Whip: 0.85 m (33.5 in) Base: 0.23 m (9 in)
Weight [#]	Total: 3.45 kg (7.6 lbs) Whip: 1.2 kg (2.6 lbs) Base: 2.25 kg (5 lbs)
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, olive drab, other colours on request.
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F
Installation	Standard 4 hole NATO base with spring

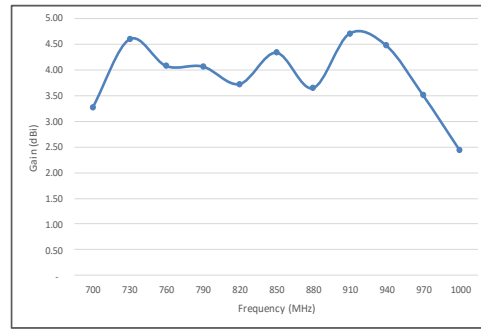
[#] Dimensions and weights for standard 4-hole vehicle mounted version



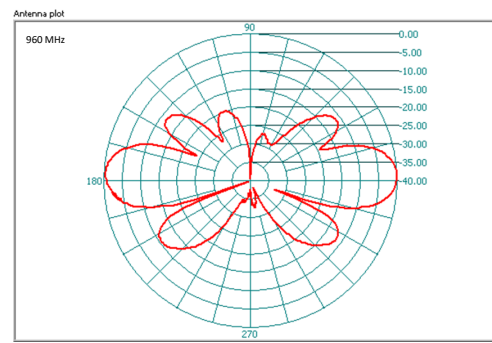
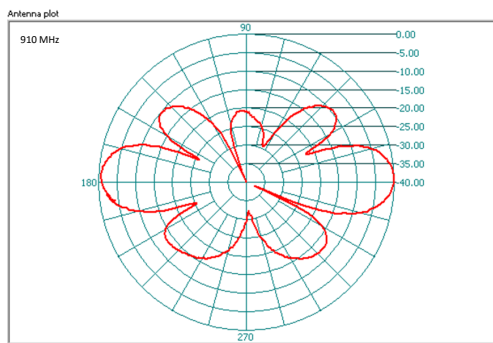
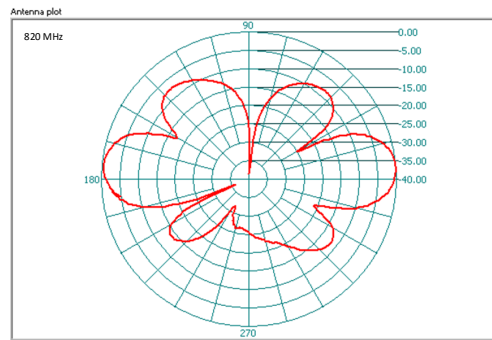
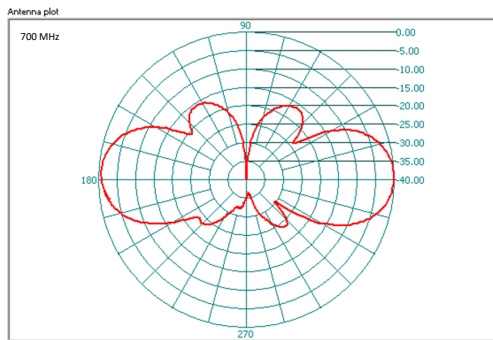
VSWR



Gain



Elevation Patterns



Base Options



A

NATO 4-hole
4 x M10 or 3/8" Bolts
on 114mm (4.5in) PCD
Base diameter 140mm (5.5in)



B

NATO 6-hole
6 x M6 or 1/4" Bolts
on 111mm (4.37in) PCD
Base diameter 140mm (5.5in)



C

NATO
50mm Thread
Base diameter 95mm (3.74in)



D

Mast Mount Bracket
Rigid (no spring)
24mm (0.95in) Spigot
50mm (1.97in) Spigot
Customer Specified



E

NATO 4-hole
Rigid (no spring)
4 x M10 or 3/8" Bolts
on 114mm (4.5in) PCD
Base diameter 140mm (5.5in)

Mast Mount Version - 24mm spigot

