

GENERAL DESCRIPTION

The LB 3088 D/4E antenna is a monopole antenna specially suitable for installations on vehicles that present a sufficient ground plane, like Hum-V's, Land rovers, P4, tanks, Shelters, ...

The LB 3088 D/4E can be used in two configurations:

Long antenna, using upper and intermediate whips, for optimal distance communications

Short antenna, using only the upper whip, with lower range, for discretion and road clearance problems.

The whips, made of GRP (Glass Fibre Reinforced Plastic) composite material, withstand most severe military conditions.

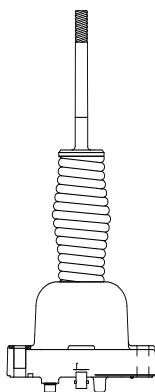
The antenna is protected against EMP-HA threat.

The LB 3088 D/4E is compatible and qualified with vehicular PR4G radio.

CODIFICATION

NATO Stock Number	5985-14-512-7248
LERC appellation	LB 3088 D/4E
LERC reference	F3435-76423
THALES appellation	ANT-209
THALES reference	56 175 40A

MECHANICAL CHARACTERISTICS



Length	
Long configuration (2 whips)	2680 mm
Short configuration (1 whip)	1500 mm
Radiating part diameters	< 20mm
Weight	2.5kg
Impact resistance	25 impacts at 40km/h
Threading resistance	225kg, 1 minute
Vibration	According to MIL-STD-810E
Mounting	NATO standard support (see sketch)
Wind	150km/h stormy wind (according to MIL-STD-810)
Colour	NATO 24x5 green army (infra red, GAM-C)

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ENVIRONMENTAL CHARACTERISTICS

Temperature

For operation

-40°C to +70°C

For storage

-55°C to +70°C

Humidity

100% RH at +30°C

Salt fog

96 hours

Immersion

1m during 2 hours

ELECTRICAL CHARACTERISTICS

Frequency Range

30 - 88 MHz

VSWR

≤ 3 in long antenna configuration

≤ 4 in short antenna configuration

Gain

See curve below – Measured by substitution with reference monopole antennas.

Impedance

50 Ohms

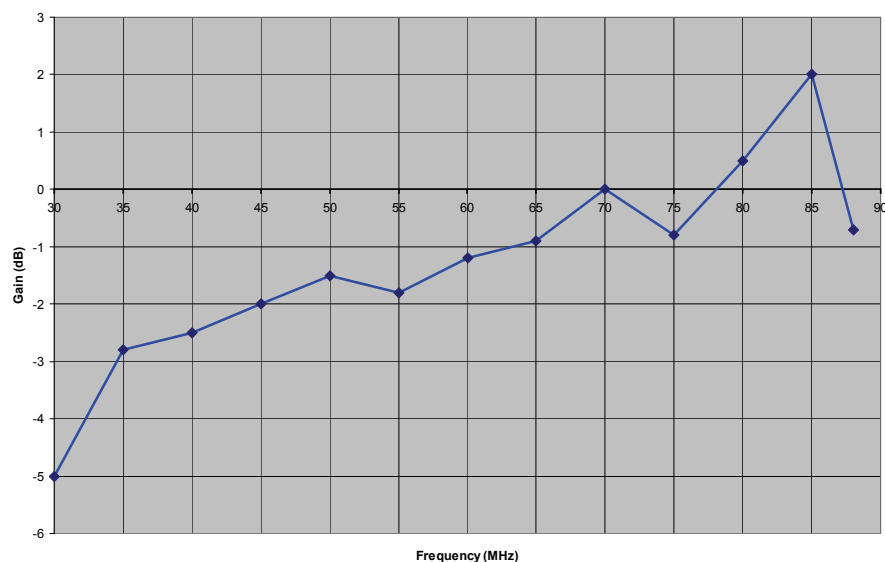
Polarisation

Vertical

Admissible power

100W RF continuous at +55°C

ANT-209 - GAIN CURVE



MOUNTING PATTERN

