LB2255SF

UHF vehicle whip, dipole, 1.5 m, 225-512 MHz

Tactical Antennas: Vehicle Mount

General Description and Application

The LB2255SF2 is a high gain UHF wide-band tactical dipole whip antenna designed for use on all modern in-service military platforms, including armoured or soft skin, metal chassis or composite, wheeled or tracked. The antenna is designed to work with all UHF hopping combat radios in the range 225 to 512 MHz.

The antenna is an elevated high gain dipole which reduces distortion of the radiation patterns that could be caused by the environment of a vehicle.

The whip is made of high resistance fibreglass reinforced Epoxy resin.

An optional mast adapter is available to elevate the whip (see page 2).

Specifications

Frequency Range	225-512 MHz
Total Height	1.5 m
Weight	≤ 3 kg
Polarisation	Vertical
VSWR	≤ 3:1 (see plot)
Impedance	50 Ω
Gain (Typical)	0 to 3 dBi (see plot)
Power	50 W
Connection	N type female
Wind Speed (operational)	160 km/h
Oak Beam Resistance	25 impacts at 40 km/h
Temperature Range (operational)	- 40°C to + 70°C
Salt Fog	96 hours

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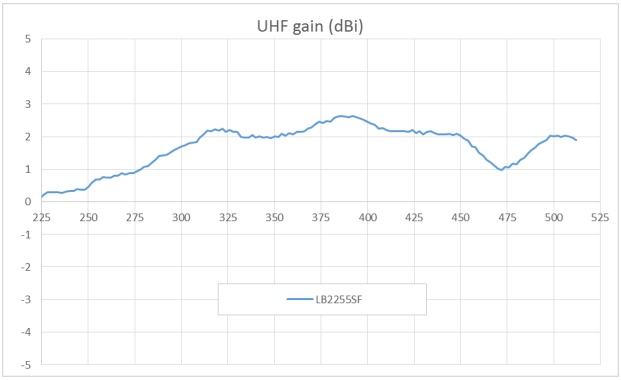
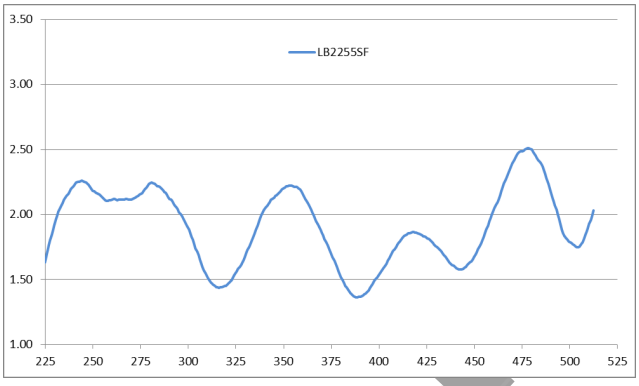
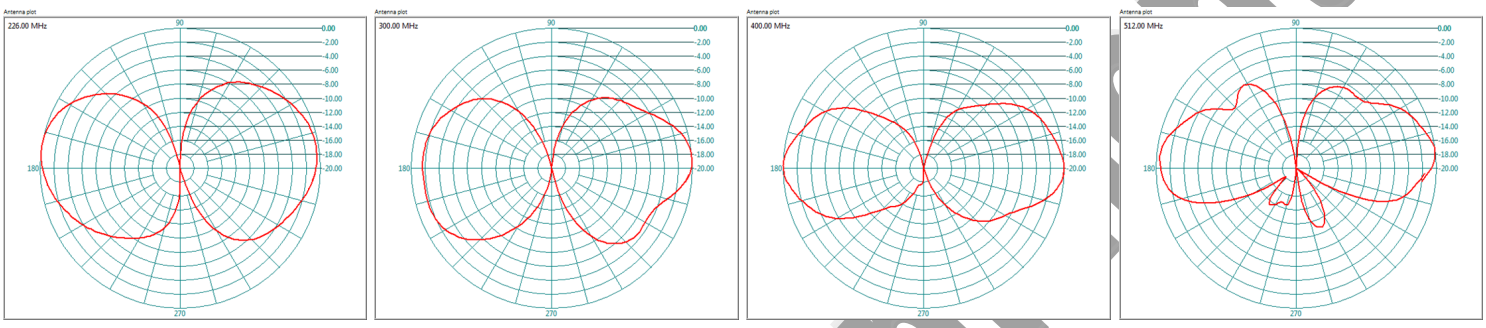
Gain



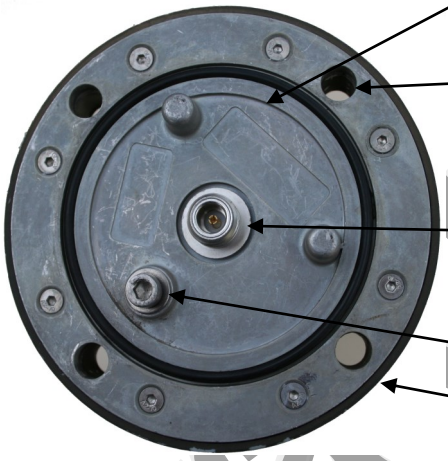
VSWR

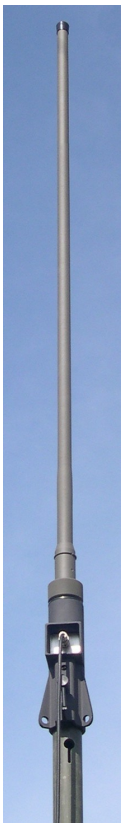


Typical Radiation Patterns



Vehicle Installation





Installation on Mast

The LB2255SF antenna may also be installed on a mast with a Ø40 mm spigot using the optional mast adaptor.

The whip may be dismounted from vehicle and used for mast installation.

Comrod can provide a range of sectional and telescopic masts to support one or two antennas.

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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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