

DESCRIPTION

Inverted conical antenna, self-supported, with vertical polarisation, covering the HF bandwidth from 1.6 to 30MHz. Power: 1kW.

The LB1630G antenna is designed for tactical stations and for very long distance communications.

INSTALLATION

The LB1630G shall be installed on a special tactical mast (for instance, a COMROD LMT mast) or on a Shelter with metallic structure.

CONSTRUCTION

The antenna consists of three 12m whips mounted on a base with wideband passive matching circuits.

The three whips are forming a 10° cone, and are dismantlable in 3 parts.

The whips are made of glass and graphite reinforced plastics.

Comrod A/S - Norway

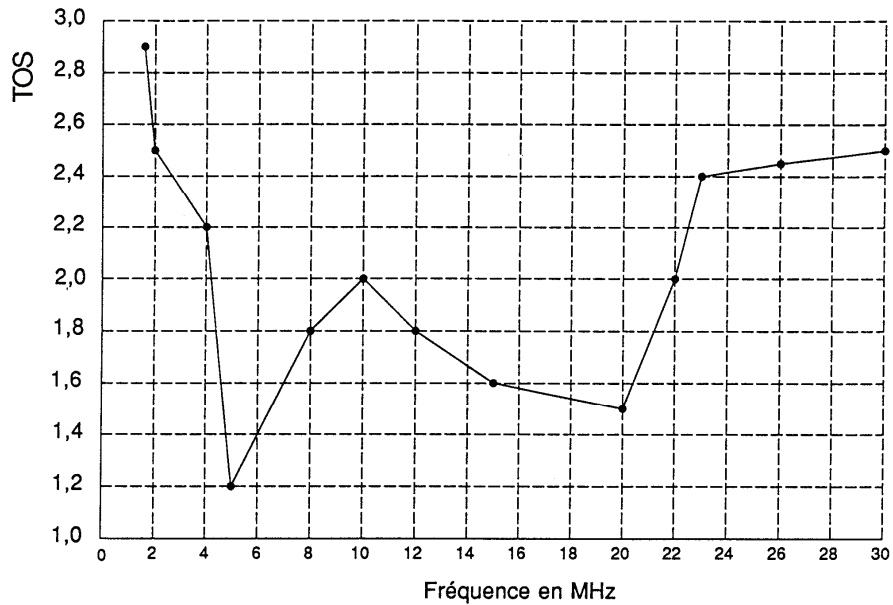
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Electrical Specifications

Frequency Range	1.6-30MHz
Impedance	50 ohm
VSWR	≥ 3:1
Max. Power (RMS)	1 kW (+1db)
Connector	HN connector
Polarisation	Vertical

Efficiency (compared to a 1/4 wave whip)

Frequency	Efficiency
1.6MHz	≥ 1.3%
2MHz	≥ 5.0%
4MHz	≥ 7.0%
> 7MHz	20%

Mechanical Specifications

Whip Height	12m
Max. Whip Length	2.2m
Base Diameter	300mm
Wind Load (200km/h to DIN)	50daN
Wind Side Area	0.9m ²
Total Weight	40kg
Colour	NATO green army 24x5

Environmental Specifications

Temperature Range	-40°C to +70°C
Relative Humidity	RH 95%
Salt Fog	96 Hours
Wind Speed (Operational)	120 km/h
Wind Speed	200 km/h