

# BASE STATION ANTENNA

## BSG VHF 130/MG



The wideband dipole type antenna with reflector forming radiation pattern. In common-phase antenna arrays the BSG 130/MG enables form horizontal radiation pattern. An aluminium welded construction is covered with a powder varnish ensuring resistance to climatic conditions. A small active surface ensures resistance to ice and wind in all environments. A handle on a back side of antenna enables easy mounting direct at mast as a single antenna or in antenna arrays using toehold. Considering a high emission power the antenna is recommended to application in broadcasting centers.

The BSG 130/MG is designed to work in arrays of 2 or 4 antennas that ensure omni-directional radiation pattern. Folded-out construction optimize costs of transport and storing.

## ELECTRICAL

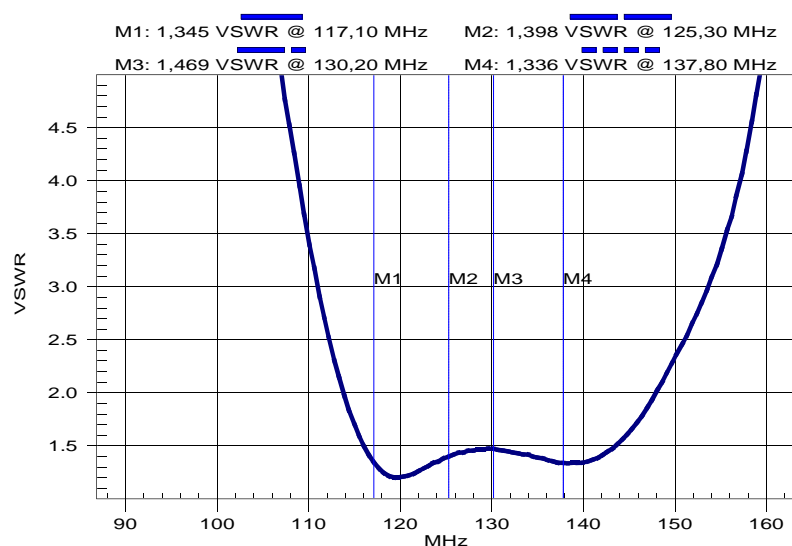
Gain	6,0 dBi
Radiation pattern	Directional
Impedance	50 $\Omega$
Antenna type	panel
Maximum power	500 W
VSWR	<1,5
Frequency range	116 – 145 MHz
Bandwidth	29 MHz @ SWR <1,5

## MECHANICAL

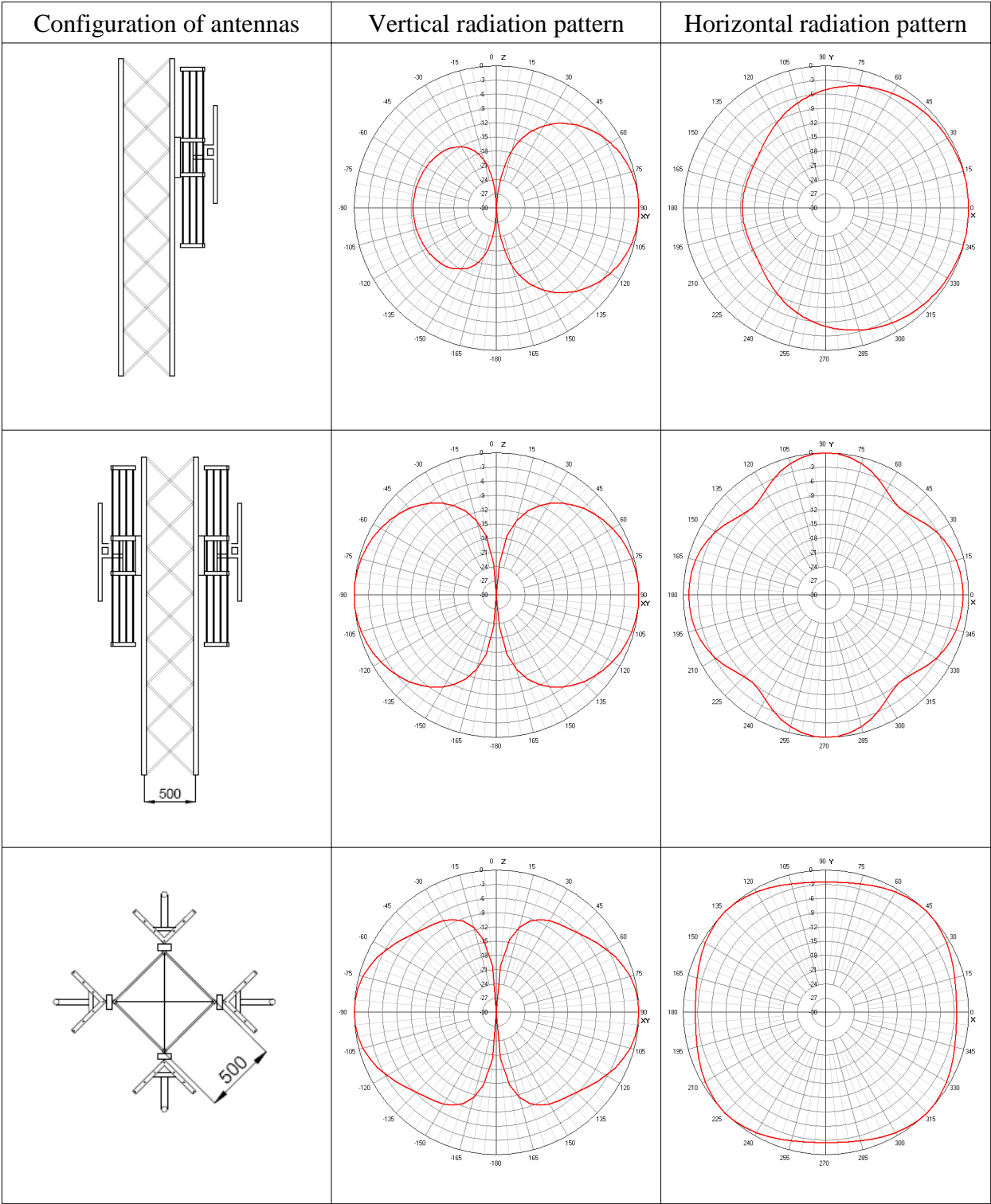
Connector	N, 7/16
Material	Aluminium, welded
Polarization	Horizontal, vertical
Diameter of mounting mast	FI 150 - 480 mm
Weight	9 ,5 kg
Lightning protection	DC-grounded
Radiator dimensions	1800x 435mm
Warranty period	48 months
Packaging	Carton box, wrap
Wind speed	180 km/h

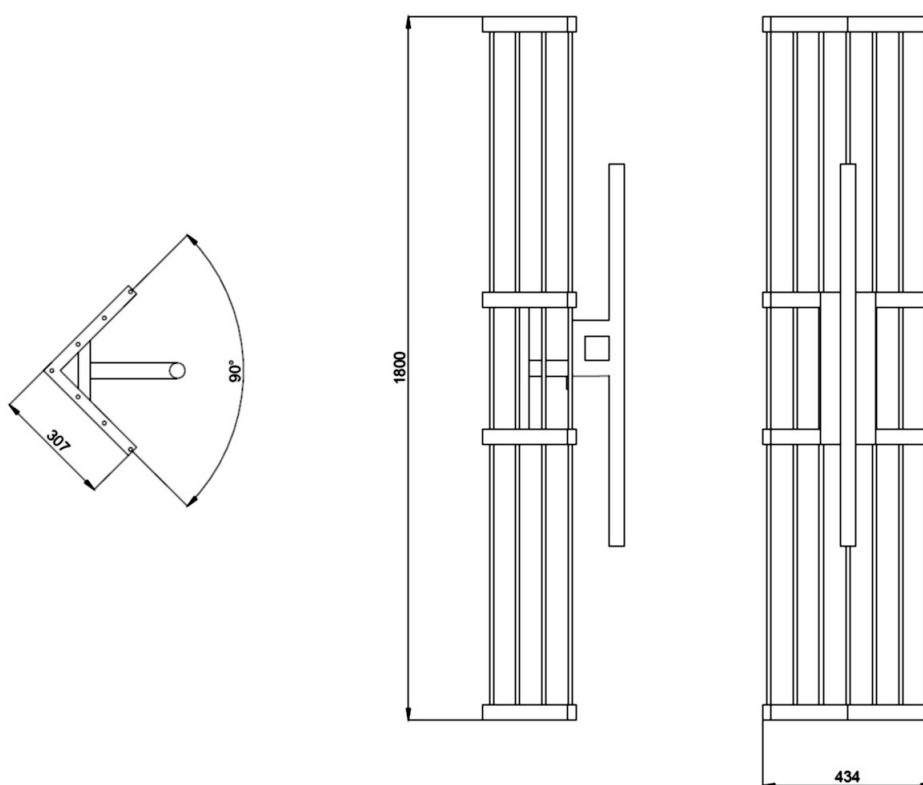
## CLIMATIC CONDITIONS

Temperature range	-40°C ÷ +85°C
Humidity	≤ 100% at +40°C



VSWR of the BSG VHF 130/MG





Total dimensions of the BSG VHF 130/MG



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