

# BASE STATION ANTENNA

## BSR- VHF



**The omnidirectional antenna, vertically polarized, produced in versions cover the whole VHF band. Waterproof construction and careful material selection ensure dependable service in all environments. Vertical radiation pattern is optimized with a special consideration of mobile radiocommunications operating in urban environment. The antenna is DC-grounded, closed in fiberglass cover painting with polyurethane varnish, ensuring resistance to all climatic conditions. The antenna is produced in versions with a bandwidth of 10 MHz and covers the whole VHF band. Air version of the antenna signed as BSK-AIR is operating in the frequency range 116 – 136MHz. The length does not exceed 3m @ 150MHz. The antenna is manufactured in a full range of RAL color.**

## ELECTRICAL

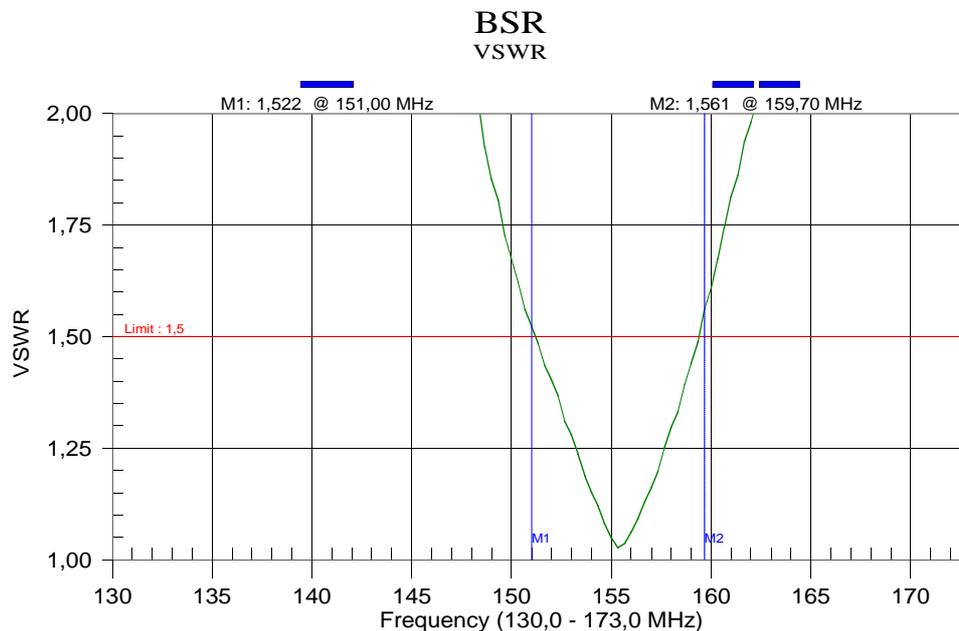
Gain	5.15 dBi
Radiation pattern	omnidirectional
Impedance	50 $\Omega$
Antenna type	colinear
VSWR	$\leq 1,5$
Maximum power	500 W
Bandwidth	10 MHz
Frequency range	150 – 160 MHz

## MECHANICAL

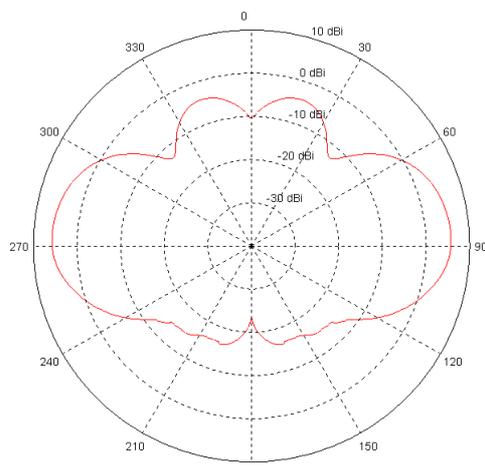
Connector	N
Material	Aluminum, fiberglass
Polarization	vertical
Weight	2 kg
Lightning protection	Galvanic, on a mounting corps
Total length	3000,00 mm @ 150MHz
Packaging	carton box
Wind speed	45 m/s

## CLIMATIC CONDITIONS

Temperature range	-40°C ÷ +70°C
Humidity	$\leq 100\%$ at +40



VSWR



Vertical radiation pattern



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