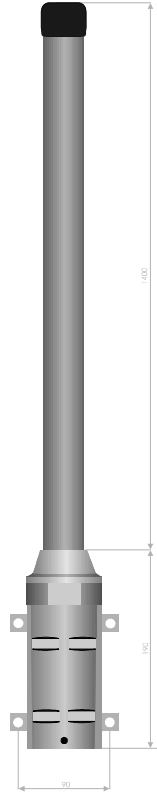


BASE STATION ANTENNA

BSL-UHF 400-475 MHz



The omnidirectional antenna, vertically polarized, produced in versions covering the whole VHF band. Waterproof construction and careful material selection ensure long dependable service in all environments. Vertical radiation pattern is optimized with a special consideration of mobile radiocommunications operating in urban environment.

The antenna is produced in two versions, with PCV cover or fiberglass cover painting with powder varnish.

ELECTRICAL

Gain (ref. to $\lambda/2$ dipole)	3,5 dB
Horizontal radiation pattern	Omnidirectional
Impedance	50 Ω
Antenna type	2x5/8 λ
VSWR	$\leq 1,2$
Maximum power	50 W
Bandwidth	4 MHz
Vertical radiation pattern	
Horizontal radiation pattern code (H-plane)	000ND00 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	025DE00 (CEPT Recommendation T/R 25-08)

MECHANICAL

Connector	N
Material	Aluminium, PCV, fiberglass (optional)
Polarization	vertical
Diameter of mounting mast	40-80mm
Weight	3 kg
Lightning protection	galvanic, additional wire
Total height	1600 mm
Total diameter	100 mm
Warranty period	2 years
Packading	Carton box
Distance between mounting handles	95 mm
Wind speed	40 m/s

CLIMATIC CONDITIONS

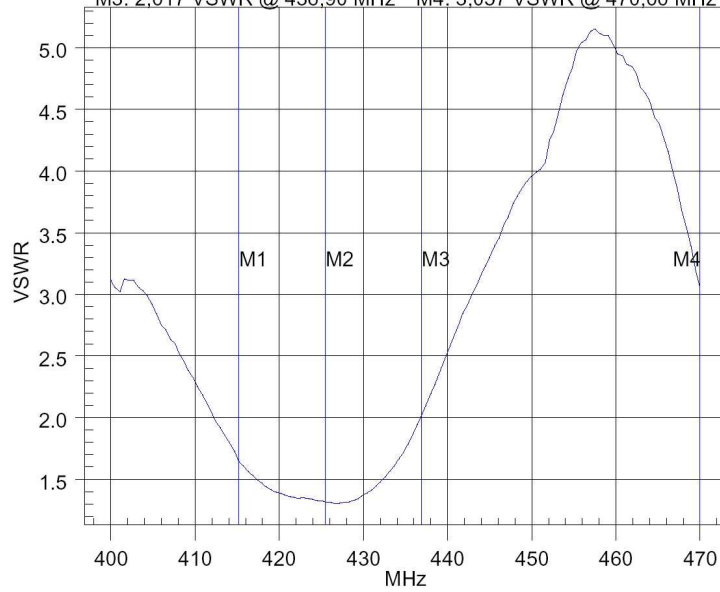
Temperature range	-40°C ÷ +70°C
Humidity	$< 100\%$ at +40°C

BSL -UHF

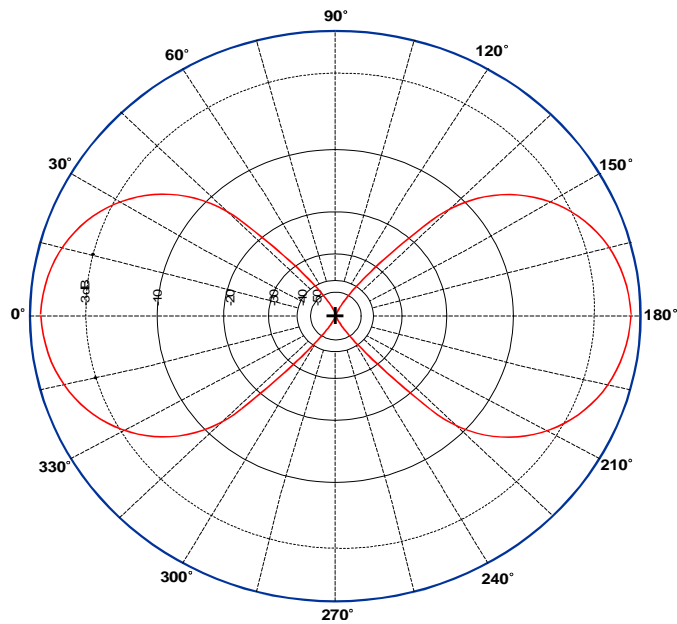
400,00 - 470,00 MHz (cal on, cw on)

M1: 1,646 VSWR @ 415,20 MHz M2: 1,317 VSWR @ 425,50 MHz

M3: 2,017 VSWR @ 436,90 MHz M4: 3,057 VSWR @ 470,00 MHz



VSWR



Vertical radiation pattern



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