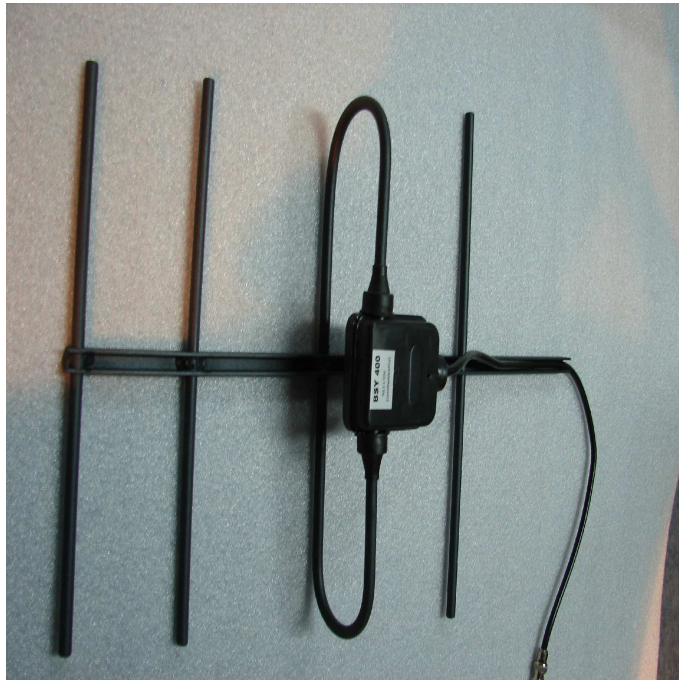


BASE STATION ANTENNA

BSY UHF



The universal transceiving antenna for the UHF band, produced in versions consist of 4 or 8 Yagi elements. A rigid and light construction is made of welded aluminium covered with powder varnish. A bandwidth over 12MHz enables use in many UHF systems without tuning necessary.

ELECTRICAL

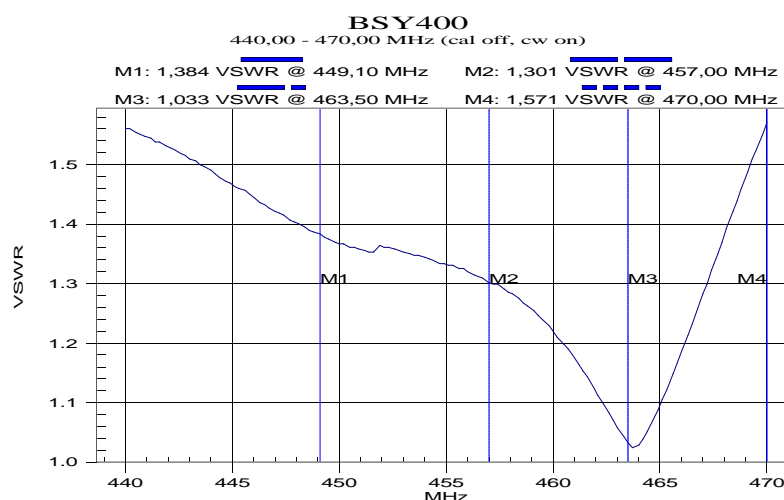
Gain (ref. to $\lambda/2$ dipole)	7,0 dB@ 4 elements, 10 dB @ 8 elements
Radiation pattern	Directional
Impedance	50 Ω
Antenna type	YAGI, 4 or 8 elements
VSWR	$\leq 1,3$
Maximum power	100 W
Bandwidth	12 MHz
Front to back ratio	16 dB
Radiation pattern	E- 50, H-80 (4 el)
Horizontal radiation pattern code (H-plane)	040EB10 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	025EB10 (CEPT Recommendation T/R 25-08)

MECHANICAL

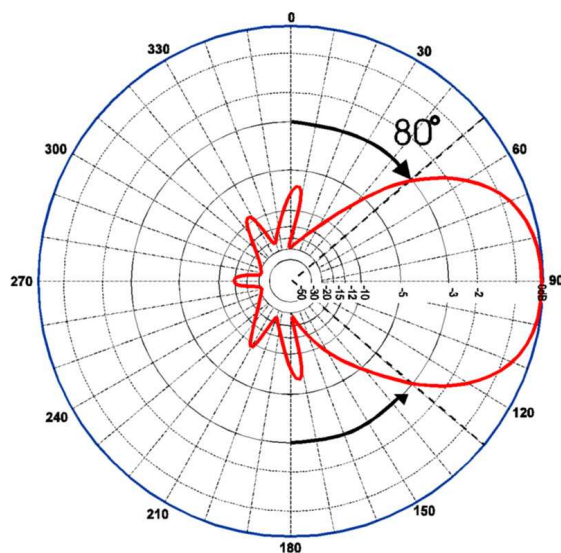
Connector	BNC, N , TNC
Material	Aluminium, welded
Polarization	vertical
Diameter of mounting mast	35,0 mm
Weight	0,4 kg
Lightning protection	DC-grounded
Total length	500mm(4 el) 1300mm (8 el)
Warranty period	12 months
Packaging	Carton box
Wind speed	40 m/s

CLIMATIC CONDITIONS

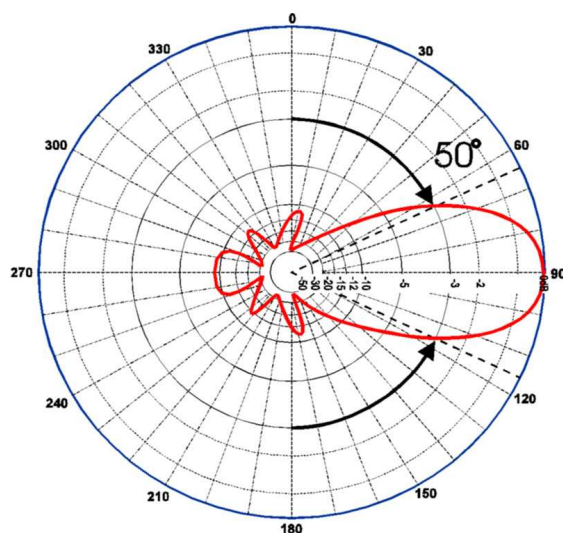
Temperature range	-40°C ÷ +70°C
Humidity	$\leq 100\%$ at +40°C



VSWR measuring in free space



Horizontal radiation pattern of 4-elements YAGI



Vertical radiation pattern of 4-elements YAGI