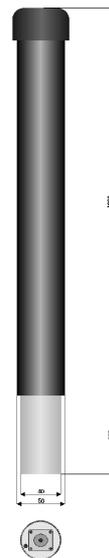
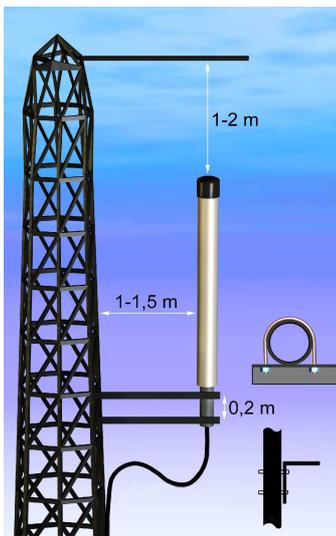


WIDEBAND BASE STATION ANTENNA

BSO-VHF/W 100-180 MHz



The wideband omnidirectional antenna, with no tuning required. The antenna covers the whole band of terrestrial mobile radiocommunication. The antenna is designed for vertical polarization, resistant to effect of walls and metal parts of mounting construction, DC-grounded. In lower locations doesn't require additional lightning protection. As opposed to standard BSO150 BSO-VHF/W version has reinforced construction with a different kind and thickness of outer PCV cover, large thickness of the bottom mounting tube and a different kind of a technology of the assembly and unite metal and PCV parts. The radiation element has a different construction in order to get a flatter course of VSWR in the whole operating range. Structural changes enable applications in more responsible radio systems . The antenna might be produced in the fiberglass version.

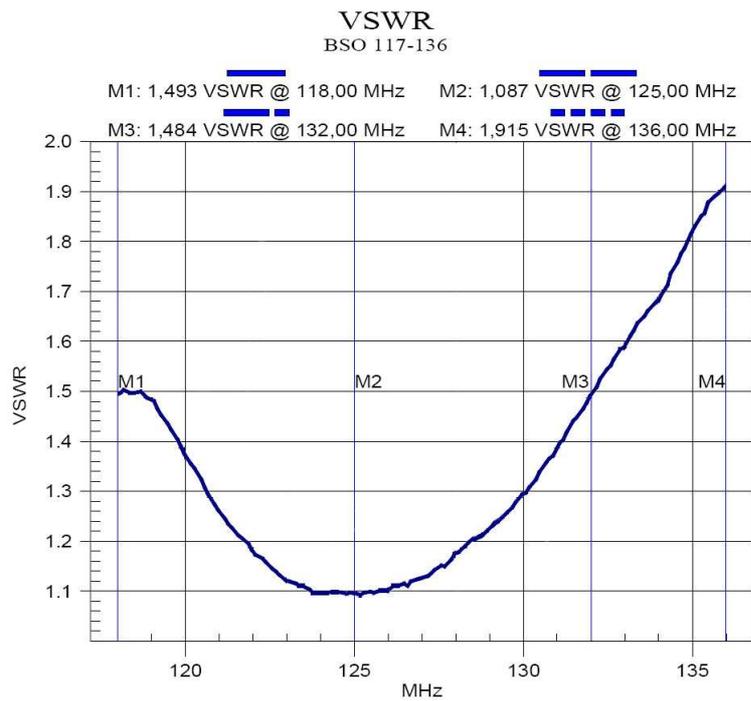
The BSA-VHF version is recommended for air applications.

ELECTRICAL

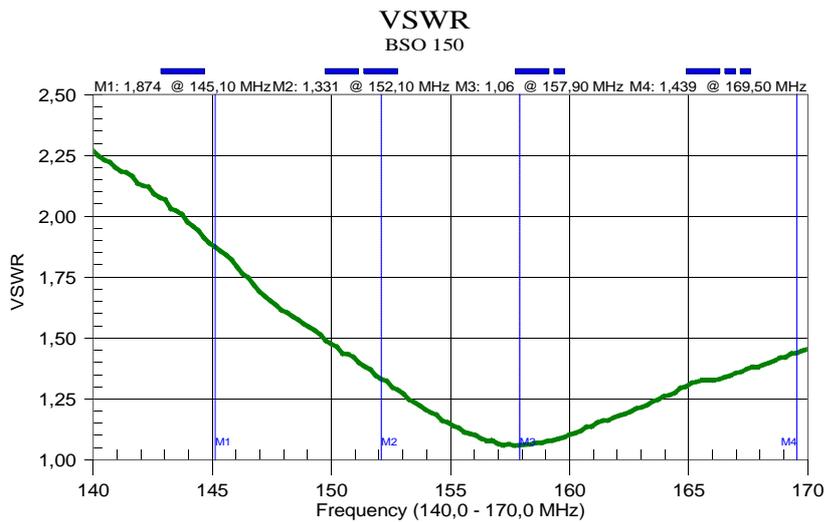
Frequency range	116-140 MHz length 2300,00 mm (BSA-VHF) 135-174 MHz length 1400,00 mm (BSO VHF/W)
Gain (ref. to $\lambda/2$ dipole)	0 dBd (2,15 dBi)
Horizontal radiation pattern	Omnidirectional
Impedance	50 Ω
Antenna type	$\lambda/2$ dipole
VSWR	$\leq 1,6$
Maximum power	100 W
Bandwidth	averagely 10 MHz
Horizontal radiation pattern code (H-plane)	000ND00 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	039DE00 (CEPT Recommendation T/R 25-08)

MECHANICAL

Connector	UC1, N
Material	Aluminium, PCV/ fiberglass
Polarization	vertical



VSWR for the range 116 – 136 MHz

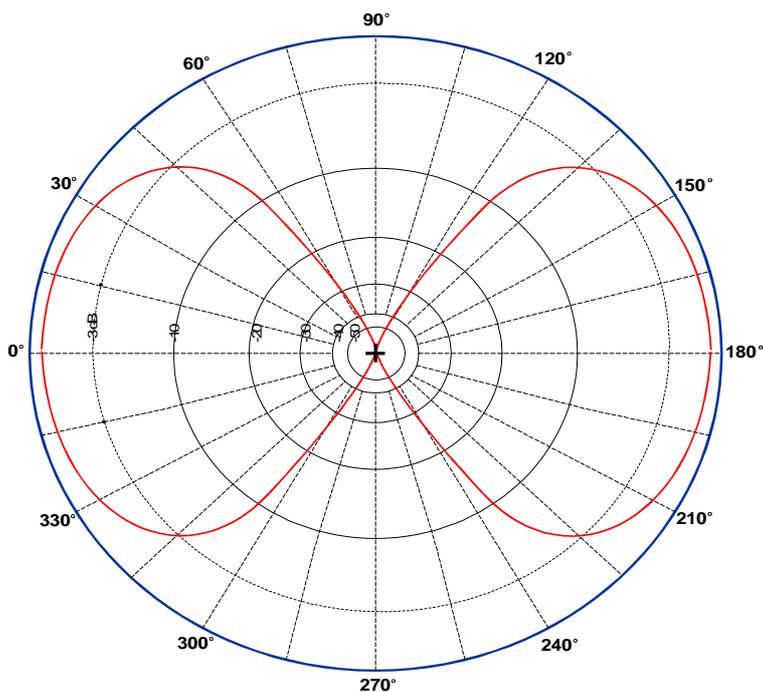


Resolution: 130
Date:
Model: S331A

CAL:ON(COAX)
Time:
Serial #: 00036029

CW: ON
Smoothing: 0

VSWR for the range 140-170 MHz



Vertical radiation pattern at 150,0 MHz



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