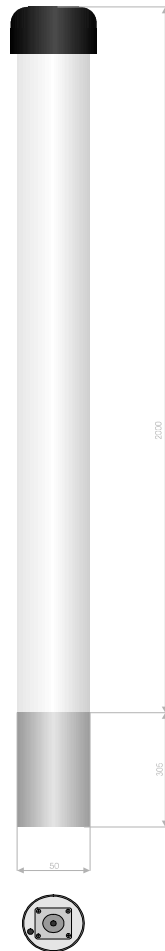


BASE STATION ANTENNA

BS- SHF 980-1100 MHz



The antenna cooperate with radar receivers operating at the frequency 1050/1090MHz. Cooperating with the receiver enables to follow routes of airplanes in the range 100 – 300 km. The active version with an external 10dB amplifier ensures receiving signal from air transponders in all mounting conditions of antenna.

ELECTRICAL

Gain (ref. to $\lambda/2$ dipole)	6,0 dB for passive version , approx. 15 dB with additional amplifier
Horizontal radiation pattern	Omnidirectional
Impedance	50 Ω
Antenna type	6 x 5/8 λ
VSWR	$\leq 1,7$
Maximum power	50 W
Bandwidth	900-1200MHz
Horizontal radiation pattern code (H-plane)	000ND00 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	010DE00 (CEPT Recommendation T/R 25-08)

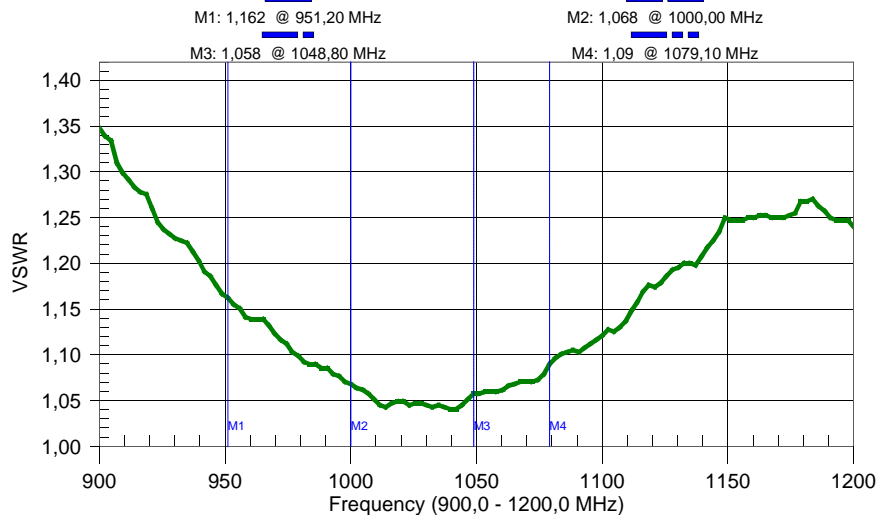
MECHANICAL

Connector	N,
Material	Aluminium, PCV,
Polarization	vertical
Diameter of mounting mast	40-80mm
Weight	1,0kg
Lightning protection	galvanic, additional wire
Height/diameter	1100/40 mm
Warranty period	2 years
Packaging	Carton box
Wind speed	40 m/s

CLIMATIC CONDITIONS

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

VSWR BS- SHF

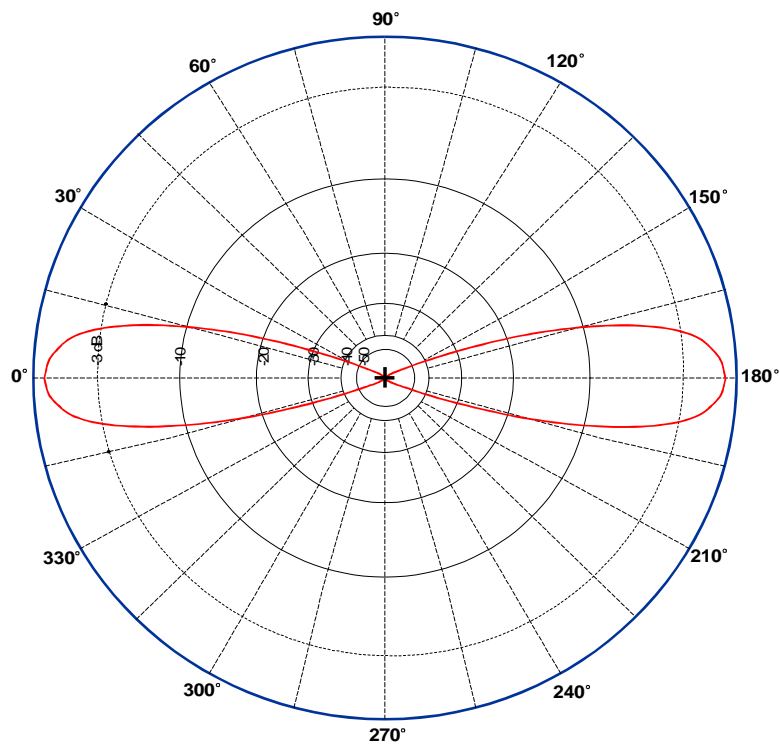


Resolution: 130
Date:
Model: S331A

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

CW: OFF
Smoothing: 0

VSWR



Vertical radiation pattern at 1090MHz, measuring in free space



P.U.P. Net-Com

41-902 Bytom, ul.Piekarska 102/7

tel./fax (32) 282-68-21, 0601-22-08-97

www.net-com.bytom.pl e-mail : biuro@net-com.bytom.pl