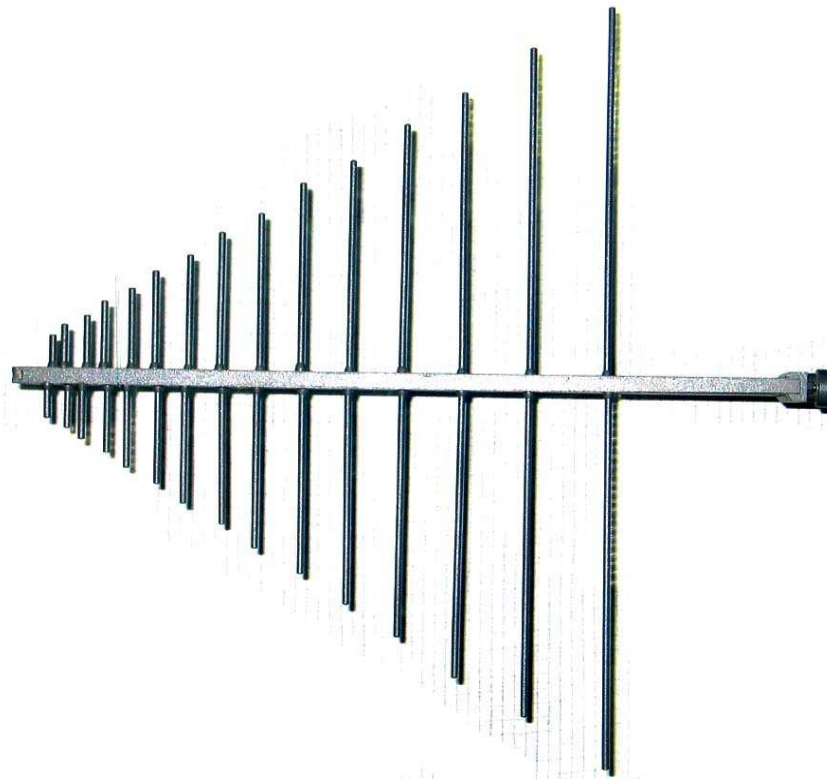


# Wideband directional antenna

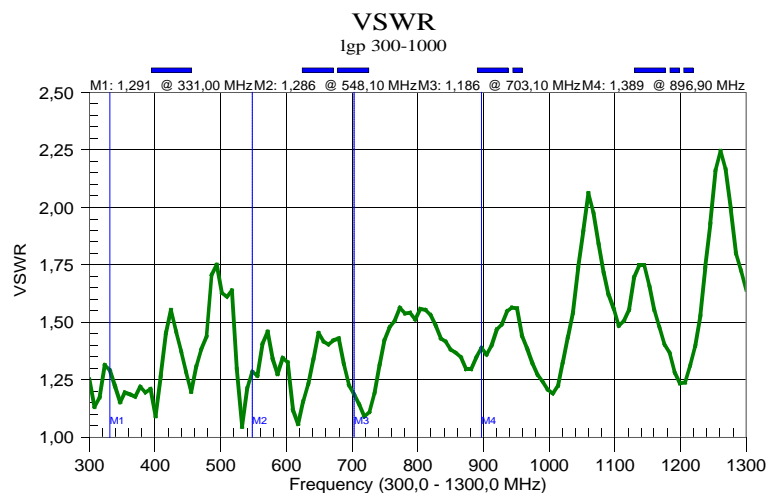
## LGP 1000



**The wideband antenna enables operating in the range 300 – 1000MHz.**

**A compact construction is optimized with a special consideration of small dimensions, what recommends the antenna to measurement applications at a laboratory and in free space. After calibration in the TEM chamber the antenna may be used as a measuring master.**

<b>ELECTRICAL</b>	
<b>Gain (ref. to <math>\lambda/2</math> dipole)</b>	9,0 dB
<b>Radiation pattern</b>	Directional
<b>Impedance</b>	50 $\Omega$
<b>Antenna type</b>	LOGPERIODIC
<b>VSWR</b>	$\leq 1,8$
<b>Maximum power</b>	50 W
<b>Front to back ratio</b>	20 dB
<b>Bandwidth</b>	300 - 1000 MHz
<b>Horizontal radiation pattern code (H-plane)</b>	038EB10 (CEPT Recommendation T/R 25-08)
<b>Vertical radiation pattern code (E-plane)</b>	038EB10 (CEPT Recommendation T/R 25-08)
<b>MECHANICAL</b>	
<b>Connector</b>	N, TNC
<b>Material</b>	Aluminium PA 38, covered with powder varnish
<b>Polarization</b>	Vertical/Horizontal
<b>Diameter of mounting pivot</b>	26.0 mm
<b>Weigth</b>	3 kg
<b>Lightning protection</b>	Galvanic at the antenna corpus
<b>Total length</b>	750.00 mm
<b>Warranty period</b>	2 years
<b>Packaging</b>	Carton box
<b>Wind speed</b>	45 m/s
<b>CLIMATIC CONDITIONS</b>	
<b>Temperature range</b>	-40°C ÷ +70°C
<b>Humidity</b>	$\leq 100\%$ at +40°C

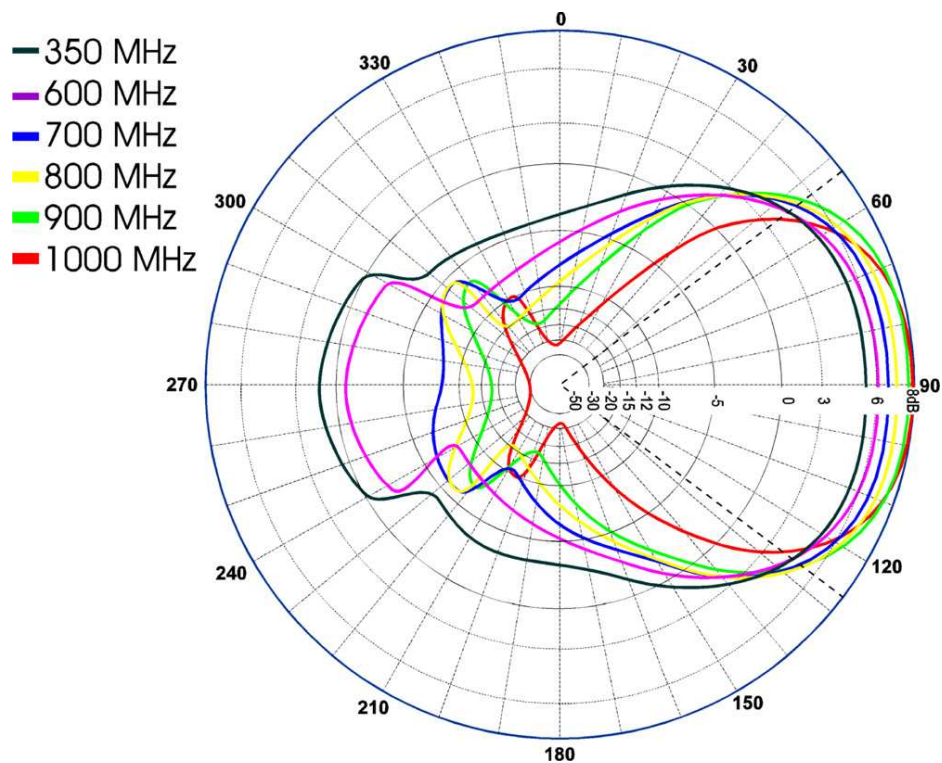


Resolution: 130  
Date:  
Model: S331A

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

CW: OFF  
Smoothing: 0

VSWR measuring in free space



Horizontal radiation pattern of the LGP 1000



**Net-Com**  
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