

# Wideband directional antenna

## LGP 500



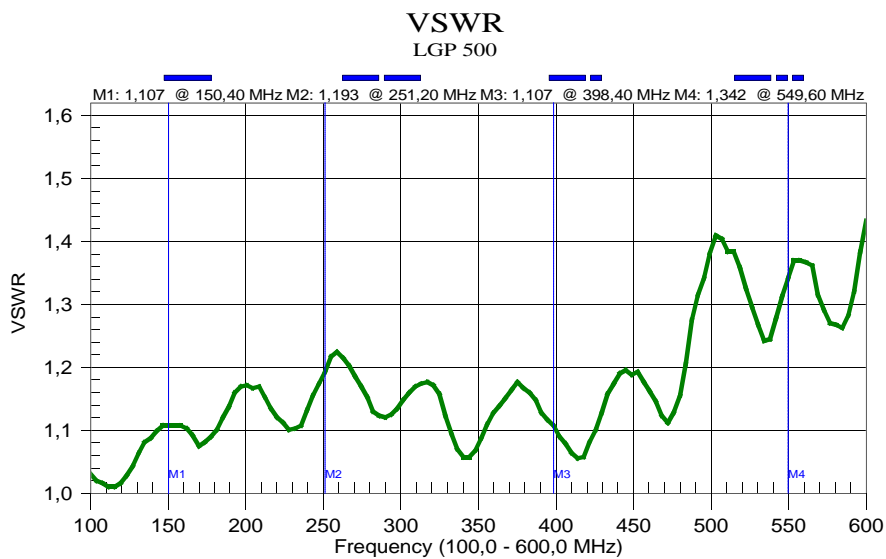
**The wideband antenna designed to cooperate with radio direction-finders, without an additional tuner amplifier the antenna may cooperate with the VHF/UHF radio stations. The antenna mounting enables instal at typical vertical rotors.**

**A small flank plane doesn't required any additional gay ropes and doesn't produce excess resistances at the rotor.**

**A demountable construction is easy to transport.**

**After calibration in the TEM chamber the antenna may be used as a measuring master.**

ELECTRICAL	
Gain (ref. to $\lambda/2$ dipole)	8 ,0 dB @ 500 MHz
Radiation pattern	Directional
Impedance	50 $\Omega$
Antenna type	LOGPERIODIC
VSWR	$\leq 1,6$
Maximum power	50 W
Front to back ratio	20 dB
Bandwidth	100- 550 MHz
Horizontal radiation pattern code (H-plane)	038EB10 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	038EB10 (CEPT Recommendation T/R 25-08)
MECHANICAL	
Connector	N, 7/16
Material	Aluminium PA 38, covered with powder
Polarization	Horizontal/Vertical
Diameter of mounting mast	40-80 mm
Weight	15 kg
Lightning protection	galvanic at the antenna corpus
Total length	3300,00 mm
Warranty period	2 years
Packaging	Carton box
Wind speed	45 m/s
CLIMATIC CONDITIONS	
Temperature range	-40°C ÷ +70°C
Humidity	$\leq 100\%$ at +40°C

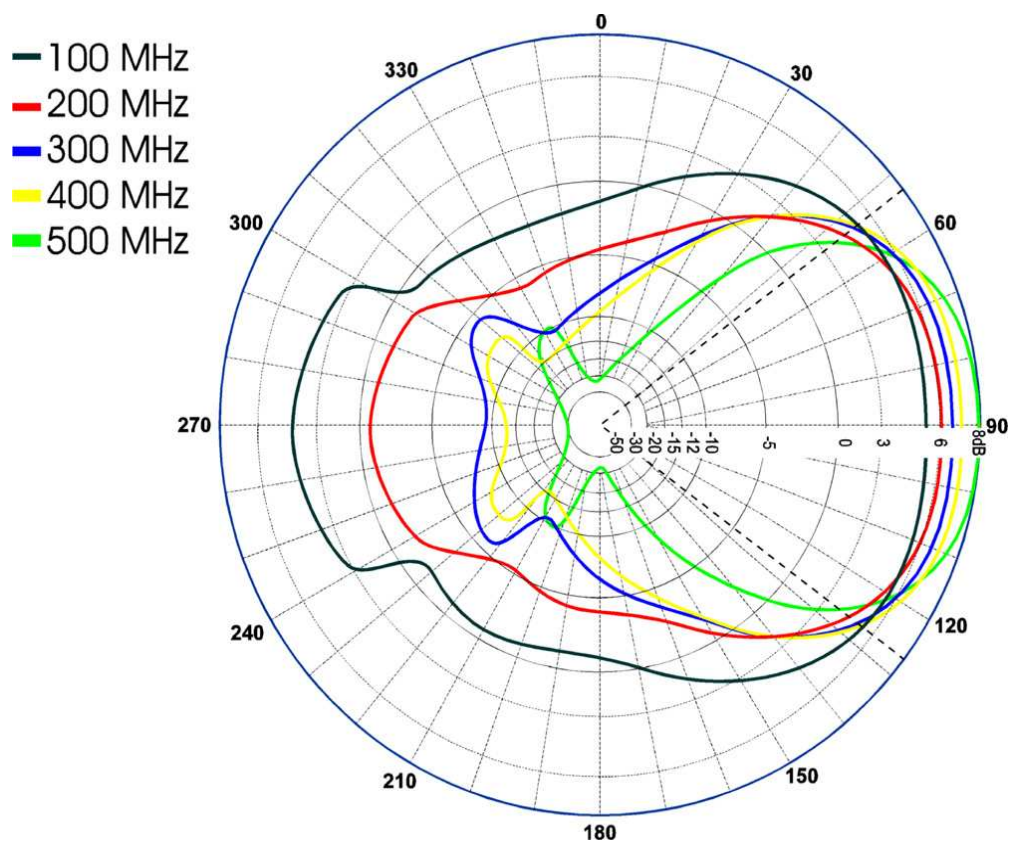


Resolution: 130  
Date:  
Model: S331A

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

CW: OFF  
Smoothing: 0

VSWR measuring in free space



Horizontal radiation pattern of the LGP 500



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