

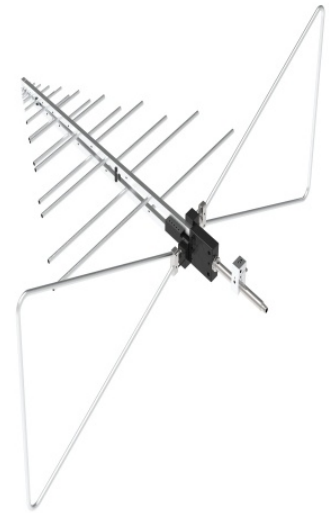
# High Gain Log-Periodic Antenna

## OLP-00330

The RFECHO Biological Antenna is one of our latest antennas, providing an inexpensive and excellent solution to wide band applications. Whether testing inside a shielded enclosure or outdoors, The RFECHO antenna will display efficient performance characteristics through the frequency range of 30 MHz to 3000 MHz.

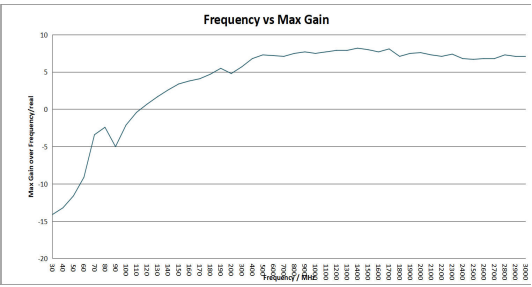
The RFECHO antenna offering a large number of dipole elements with frequency range from 30MHz to 3.0 GHz including the most common RF sources like GSM,5G, Wifi etc..

Each antenna goes through rigorous testing in our laboratories before dispatch All antennas are developed, individually produced and calibrated



### Features

- High antenna gain, i.e. low amplifier power is required
- No change of antennas needed over wide frequency range
- Uniform object irradiation due to optimized radiation patterns
- Small size
- Influence of chamber reduced
- Antenna gain approximately constant over the whole frequency range



### Electrical Specifications

Frequency Range, nominal:	30 MHz -3.0 GHz
Usable Frequency Range:	25 MHz - 3 GHz
Polarisation:	linear
Pattern Type:	directional
Material:	Aluminium
Max Power:	200 W (intermitt.) 100 W (cont.)
Connector:	N
Impedance:	50 $\Omega$ nominal
Length:	1.24 m
Width:	1.50 m
Height:	0.62 m
Weight:	3.1 kg
Mounting:	22 mm diameter tube
Isotropic Gain (LP-Section):	6.4 +/- 1.2 dBi
Antenna Factor:	7 ... 34 dB/m
Front to Back Ratio:	20 dB (f > 150 MHz)
Cross Polarisation:	>20 dB (30 MHz...1 GHz)
3 dB Beamwidth typ. (E-Plane):	45°-65° (f > 150 MHz)
3 dB Beamwidth typ. (E-Plane):	≈ 78° (f < 150 MHz)
3 dB Beamwidth typ. (H-Plane):	90°-120° (f > 150 MHz)

