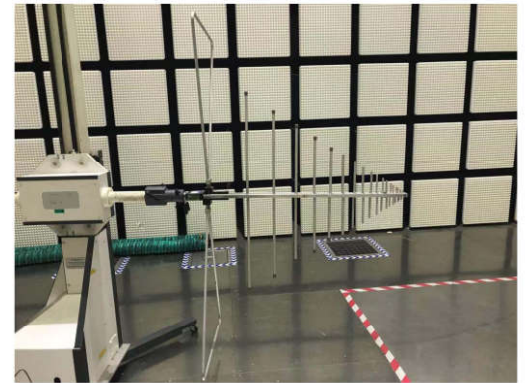


RFECHO High Gain Log-Periodic Antenna OLP-0330

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 GHz including the most common RF sources like GSM,5G, Wifietc..

Each antenna goes through rigorous testing in our laboratories before dispatch, Allantennas 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 GHz
Usable Frequency Range:	25 MHz - 4 GHz
Polarisation:	linear
Pattern Type:	directional
Material:	Aluminium
Max Power:	200 W (intermitt.) 100 W (cont.)
Connector:	N
Impedance:	50 Ω nominal
Length:	1.24 m
Width:	1.50 m
Height:	0.62 m
Weight:	3.1 kg
Mounting:	22 mm diameter tube
Recommended Adapter:	AA 9202, AA 9203, RA 9215
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)

