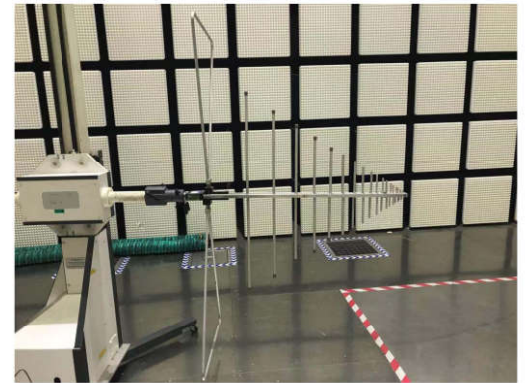


RFecho High Gain Log-Periodic Antenna OLP-0330

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)

