

# RFECHO Log-Periodic Broadband Antenna

## OLP-370

The RFECHO Biological Antenna is one of our latest antennas, providing an inexpensive and excellent solution to Broadband applications. Whether testing inside a shielded enclosure or outdoors, The RFECHO antenna will display efficient performance characteristics through the frequency range of 300 MHz to 7000 MHz.

The RFECHO antenna offering a large number of dipole elements with frequency range from 300MHz to 7 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

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

Nominal Frequency Range	300 MHz - 7 GHz
Usable Frequency Range	250 MHz - 8 GHz
Isotropic Gain	typ. 5.8 dBi + / - 1.3 dB
Antenna Factor	14 ... 43 dB/m
Nominal Impedance	50Ω
Standing Wave Ratio SWR typical	<1.5
Front to Back Ratio	>25 dB (>500 MHz)
Cross Polarisation	>20 dB (250 MHz...2.5 GHz)
3 dB Beamwidth typ. (E-Plane)	30°-80°
3 dB Beamwidth typ. (H-Plane)	60°-140°
Max. Input Power	200 W (<500 MHz)
	80 W (5 GHz)
	50 W (7 GHz)
Connector	N-Connector female
W x L x H	550 x 430 (686) x 50 mm

