

RFECHO Log-Periodic Broadband Antenna

OLP-0830

The RFECHO Log-Periodic Broadband 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 80 MHz to 3000 MHz.

The RFECHO antenna offering a large number of dipole elements with frequency range from 80MHz to 3 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 | 80 MHz - 3 GHz |
| Usable Frequency Range | 75 MHz - 4 GHz |
| Isotropic Gain | typ. 6.3 dBi + / - 1.3 dB |
| Antenna Factor | 4 ... 35 dB/m |
| Nominal Impedance | 50 Ω |
| Standing Wave Ratio SWR typical | <1.5 |
| Front to Back Ratio | typ. 20 dB |
| Cross Polarisation | >20 dB (80 MHz..3 GHz) |
| 3 dB Beamwidth typ. (E-Plane) | 45°-65° |
| 3 dB Beamwidth typ. (H-Plane) | 90°-120° |
| Max. Input Power | 1000 W (<300 MHz) 300 W (1 GHz) |
| Connector | N-Connector female |
| Wi x L x H (m) | 1.34 x 1.53 x 0.11 |

