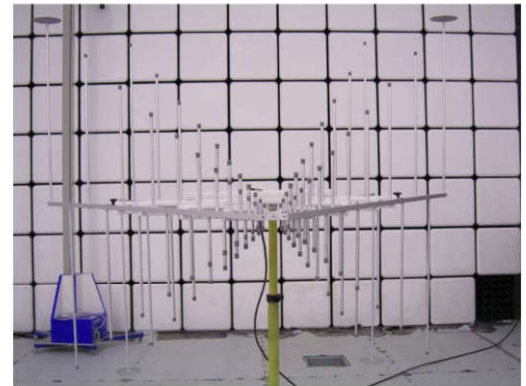


RFECHO Stacked Logarithmic-Periodic Test-Antenna

OVLA-00815

The RFECHO stacked Logarithmic Periodic Dipole Antenna frequency range is 80MHz to 1.5GHz. The excellent characteristics (flat gain over a large bandwidth, low SWR) of the ordinary Log. designs could be maintained using the stacked LP design. The stacked design helps to focus the directional pattern of the H-plane somewhat, resulting in a typical gain improvement of 2 dB compared to an ordinary LP antenna.

This is especially important for immunity testing, where a maximum field strength and a good field uniformity is required. The beamwidth in the E-plane and the H-plane are nearly identical, providing an optimised illumination of the EuT with minimised ground reflection influence. Further the cross polar rejection of the OVLA-00815 is excellent.



Features

Frequency range of 80 MHz to 1.5 GHz

Enhanced gain over LPDA designs Equalized

E and H plane beamwidths Patented feed

design provides improved high frequency

response Robust mechanical and feed design

Electrical Specifications

Frequency Range:	(65)80-1500(3000) MHz
Polarisation:	linear
Pattern Type:	directional
Material:	Aluminium
Max Power (7/16):	2 kW (const.)
	3 kW (intermitt.)
Max Power (N):	1 kW (const.)
	1.5 kW (intermitt.)
Connector:	Type 7/16 female
	Type N female
Impedance:	50 Ohms nominal
Length:	1660 mm
Width:	2160 mm
Height:	1940 mm
Weight:	10.0 kg
Mounting:	22 mm diameter tube

