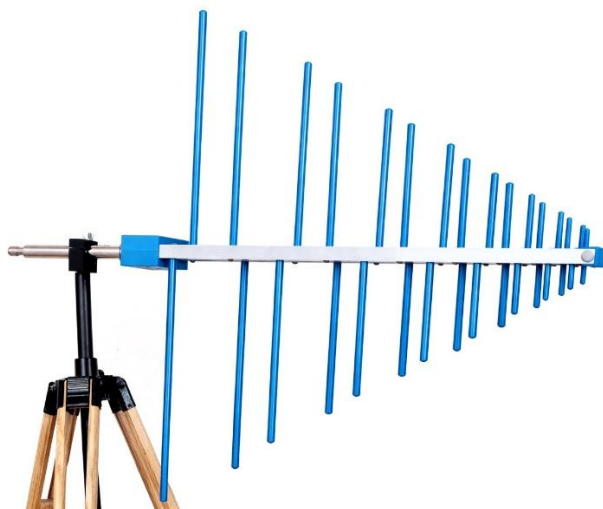


Features

- **Log-Periodic Antenna for Tx / Rx Application**
- **Frequency Range : 200 – 3000 MHz**
- **VSWR <2.5**
- **Gain 3.6-8 dBi**
- **Impedance - 50Ω (Nominal)**
- **Precision construction**
- **Material – Aluminium**
- **Individual calibration as per ANSI 63.5 / SAE ARP 958**



Description

The ANB-LPD-2003GHP is a log periodic dipole array antenna, specially designed for EMC/EMI compliance testing in accordance with ANSI/CISPR/SAE ARP test standards. The ruggedized aluminium construction of the antenna allows it to be used in both indoor and outdoor laboratory environments. Each individual antenna is precision manufactured, tested and calibrated before delivery.

The antenna is capable of handling power levels up to 1000W for immunity tests.

The antenna can be used for Radiated Immunity and other electro-magnetic (EM) field measurement applications. The antenna is useable from 180MHz-4GHz.

Specifications*

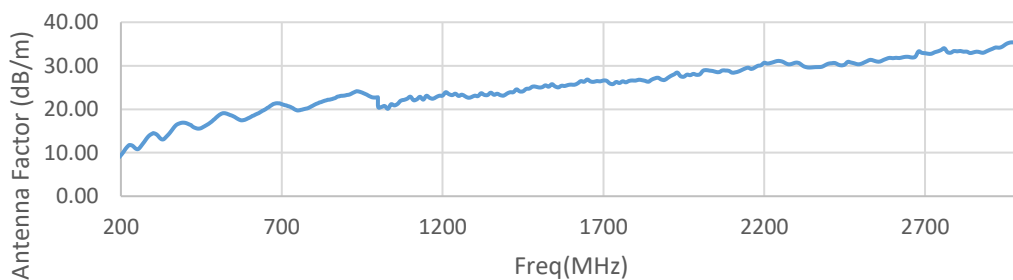
Model	AN-LPD-2003GHP
Frequency Range	200 – 3000 MHz
VSWR	<2.5
Gain	3.6-8 (dBi)
Max Power	1000 watt
Polarisation	Linear (V / H)
Connector Type	7/16" DIN / N female
Dimensions (W x L)	1.0m x 0.9m
Weight	<4 Kg
Environmental	-30°C to +52°C (In use) -40°C to +70°C (storage)
Mounting	1/4X20 threads, Female
Applications	Radiated Emissions / Immunity and EM field monitoring

* Nominal values, subject to change without notice.

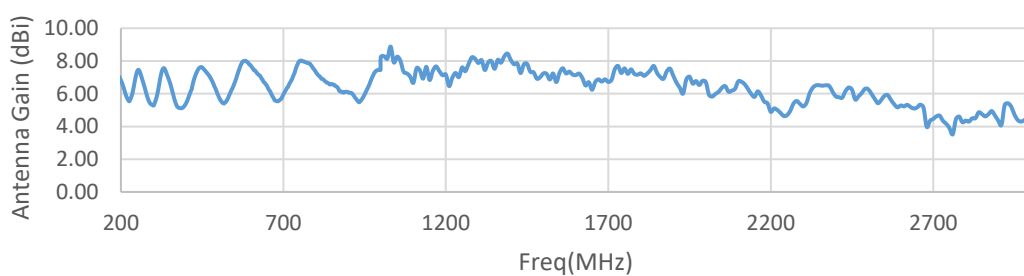
Calibration

Each antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5. IEC 17025 Accredited calibration is available upon request.

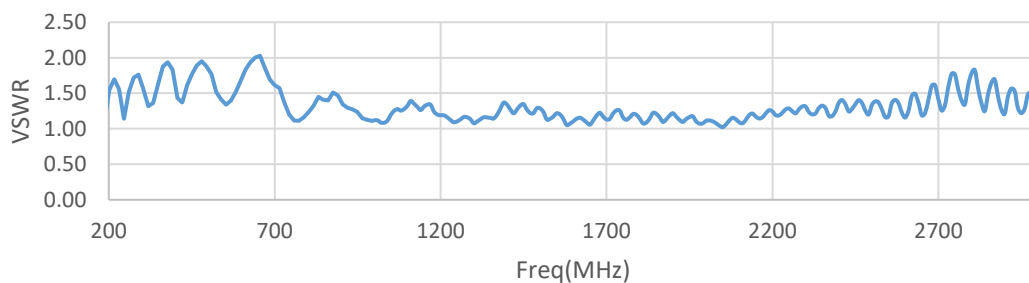
Antenna Factor (dB/m)



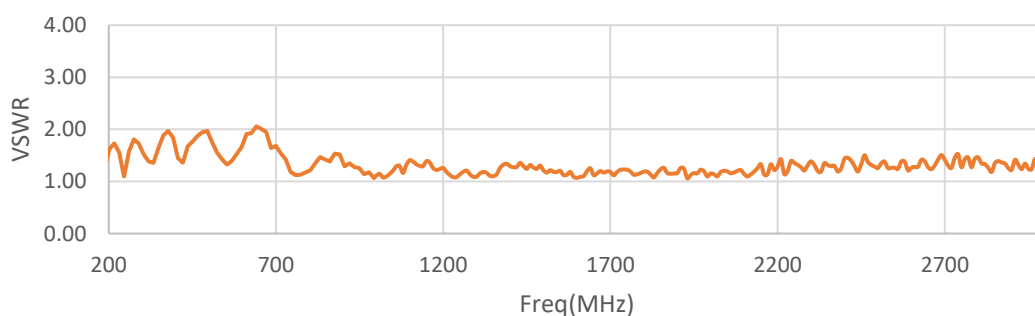
Gain(dBi)

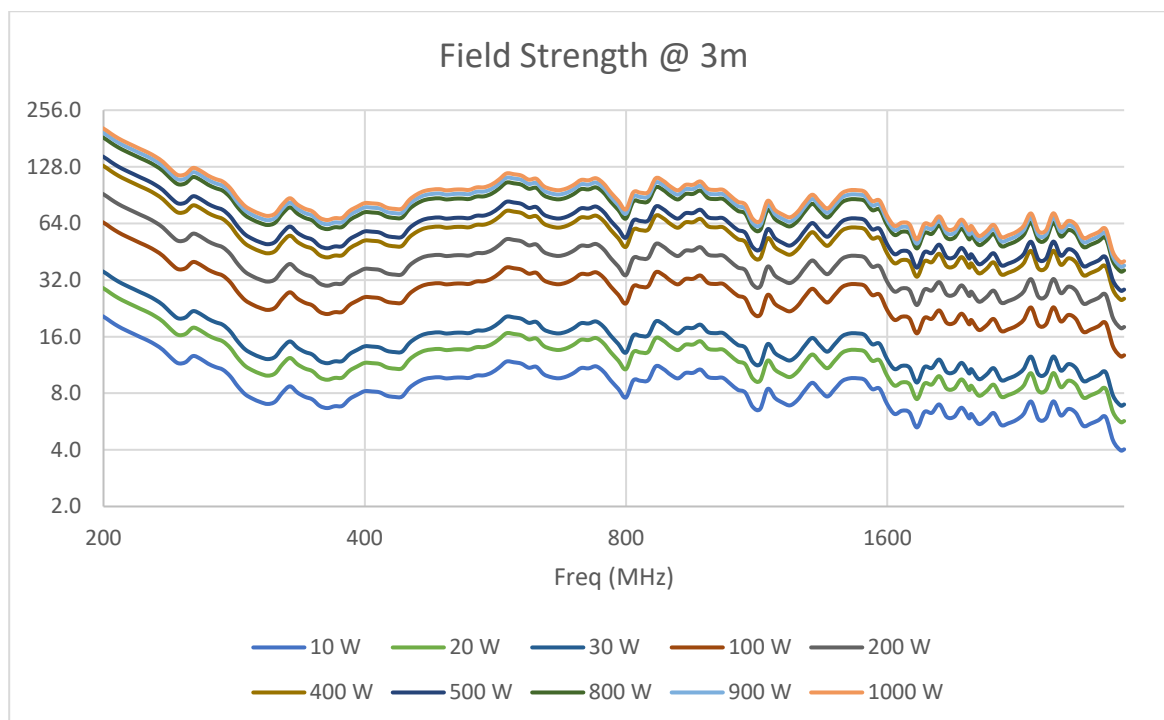
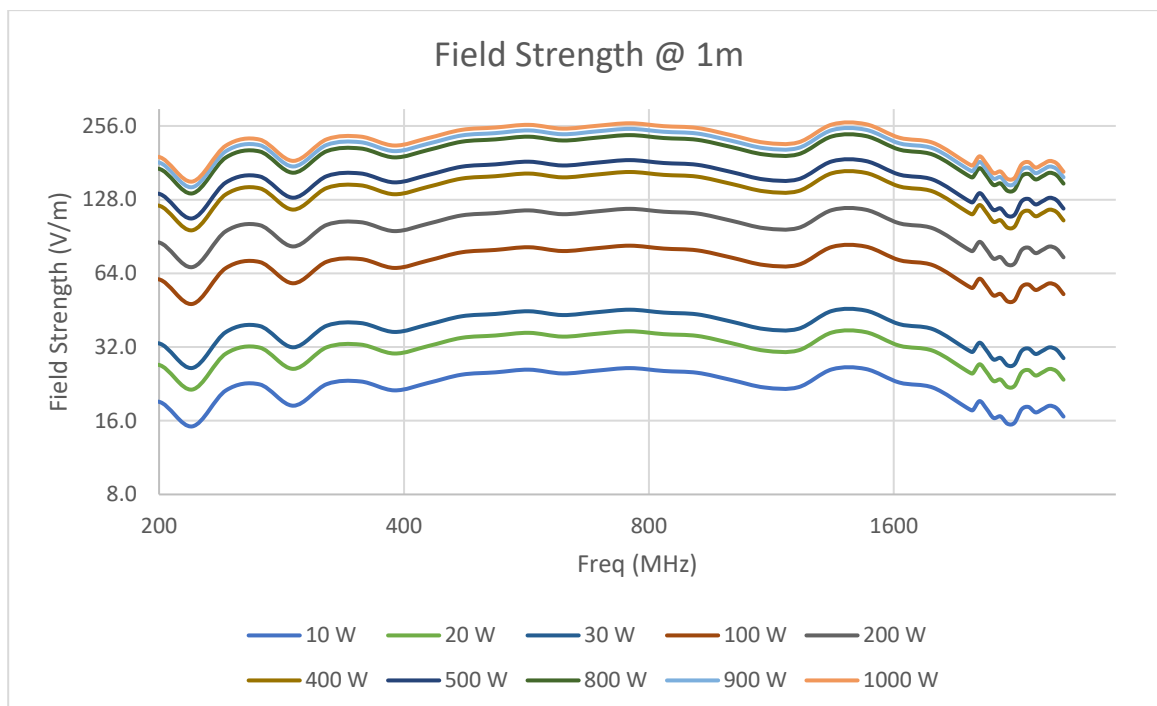


VSWR (Straight Elements)



VSWR (Folded Elements)





Note : Power indicated is the Forward Power measured at the input to the Antenna connector. Measurements are taken in 6m x 5m x 3.5m chamber in horizontal polarisation. The distances indicated are measured from the tip of the Antenna. Ferrite plates and 0.6m absorbers are placed between the Antenna and Field Probe.