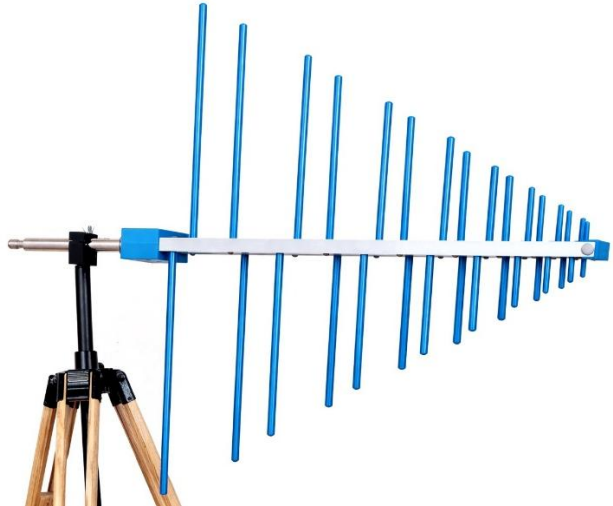


Features

- **Log-Periodic Antenna for Tx / Rx Application**
- **Frequency Range : 80 – 1000 MHz**
- **VSWR <2.5**
- **Gain 4-8 dBi**
- **Impedance - 50Ω (Nominal)**
- **Precision construction**
- **Material – Aluminium**
- **Individual calibration as per ANSI 63.5 / SAE ARP 958**



Description

The AN-LPD-80M1GHP 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 70MHz-1.5GHz.

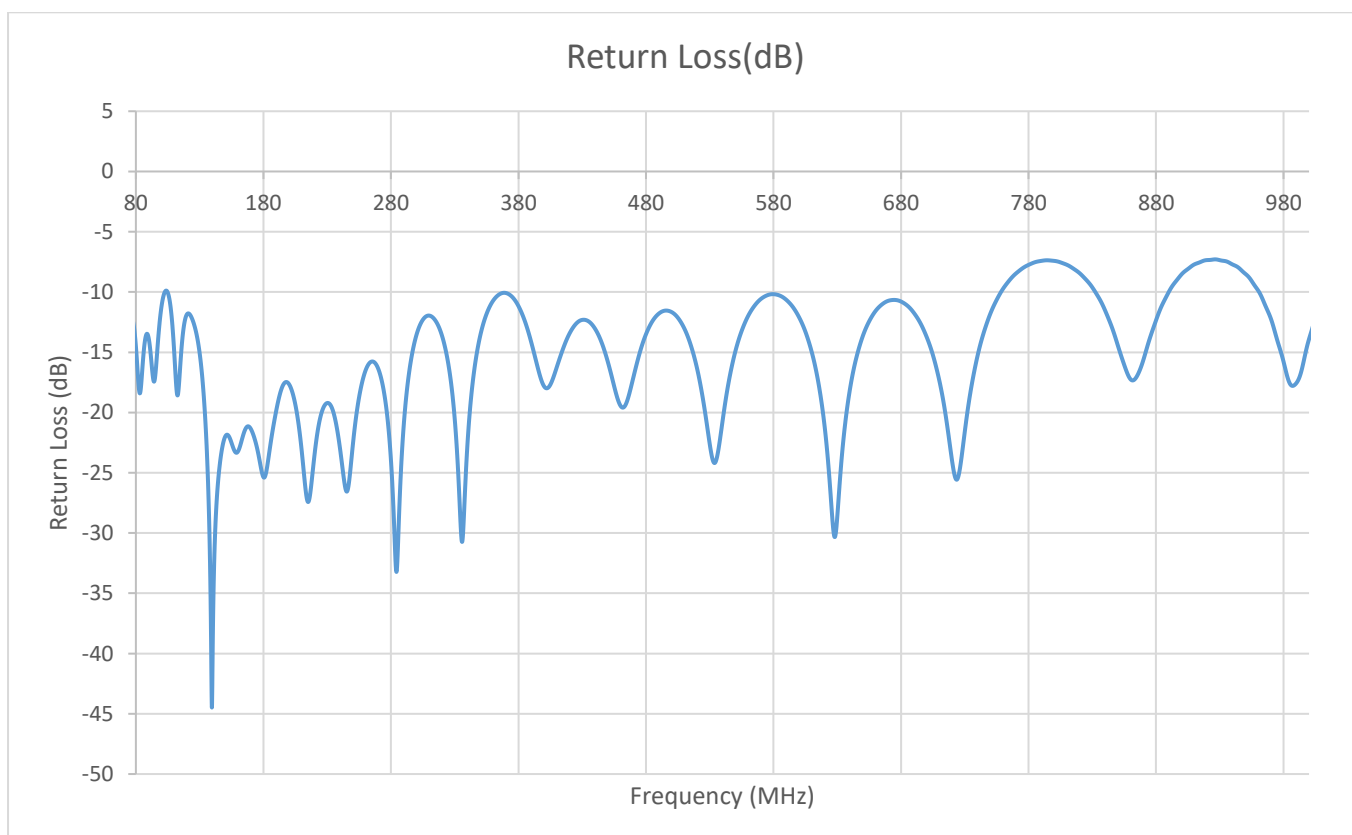
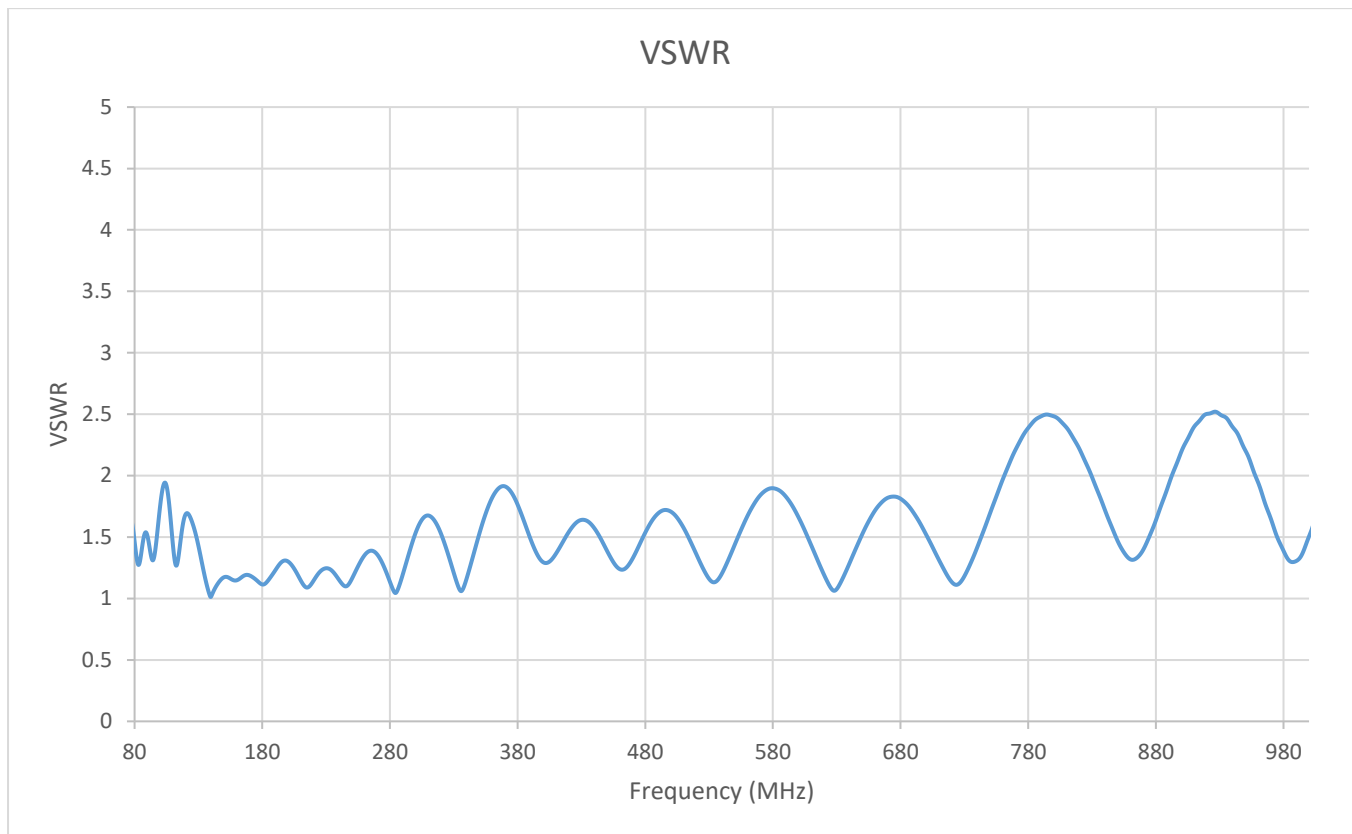
Specifications*

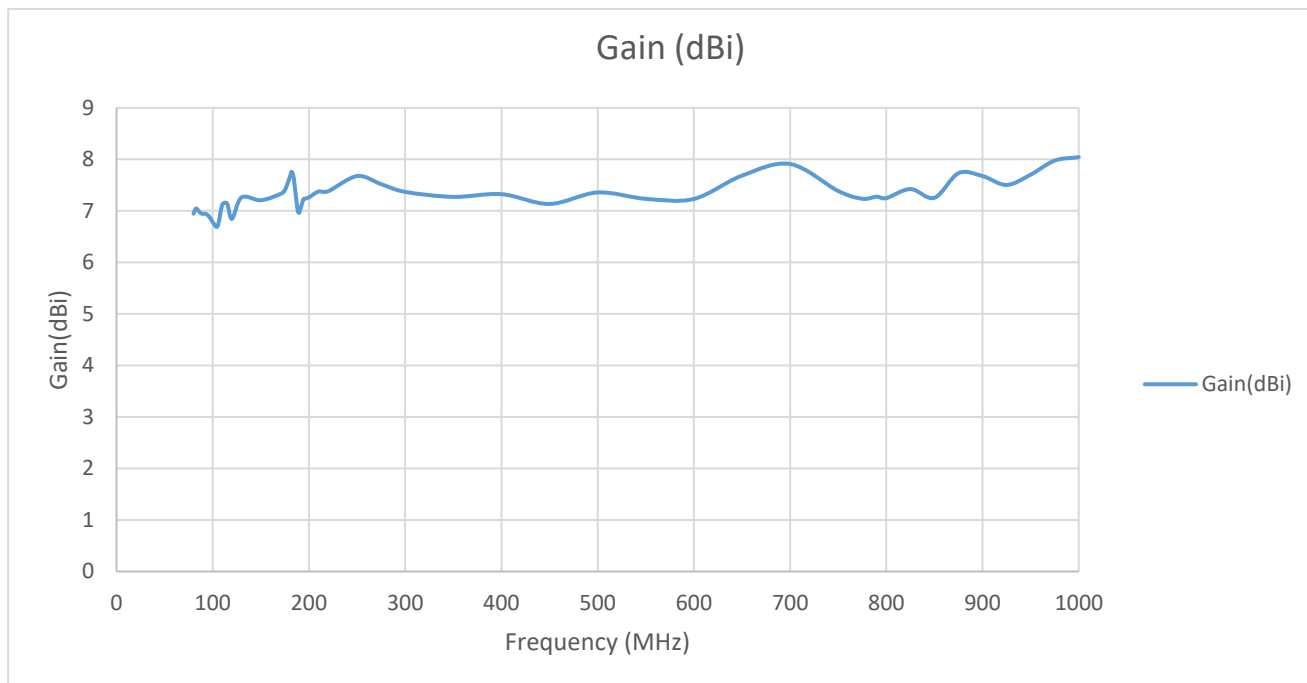
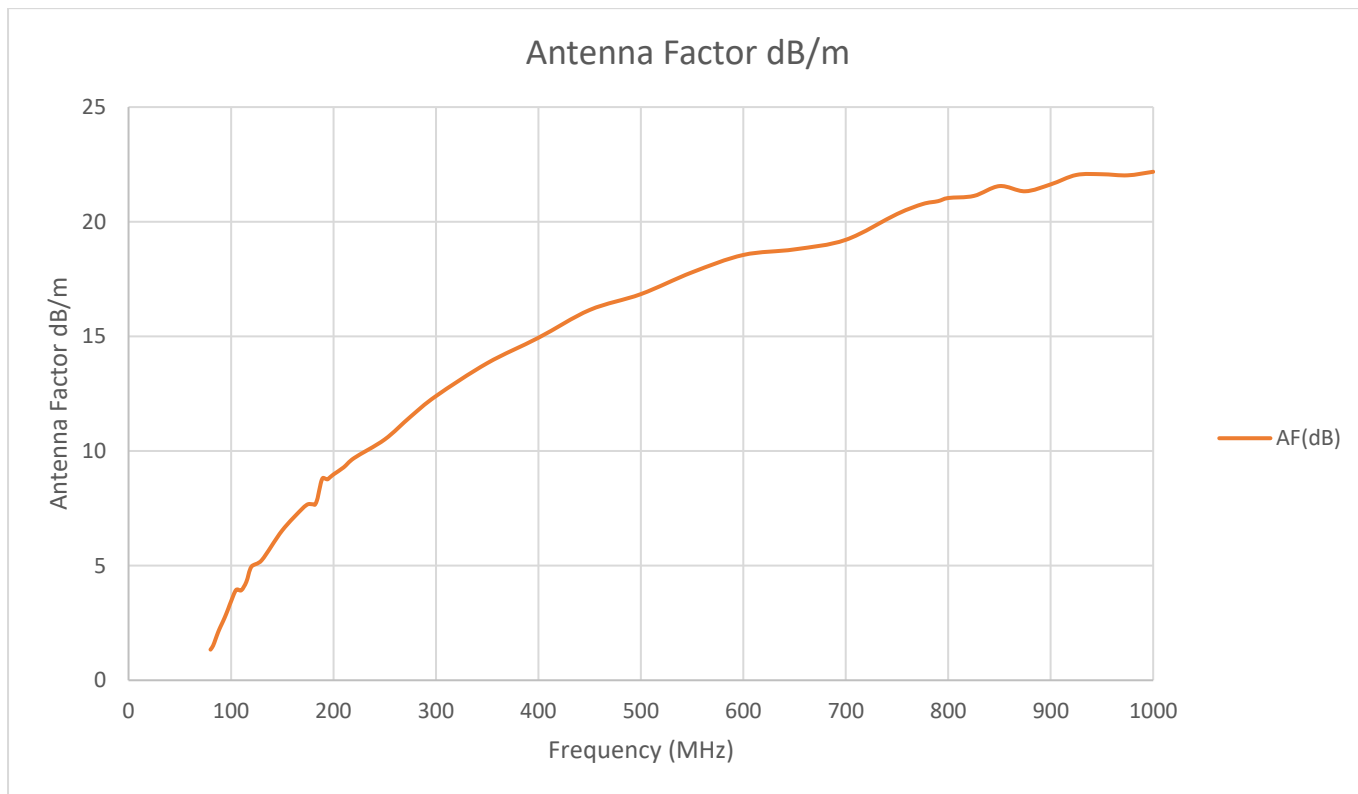
Model	AN-LPD-80M1GHP
Frequency Range	80 – 1000 MHz
VSWR	<2.5
Gain	3.6-8 (dBi)
Max Power	1000 watt
Polarisation	Linear (V / H)
Connector Type	7/16" DIN / N female
Dimensions (W x L)	2050x2050x85mm
Weight	<4 Kg
Environmental	-30°C to +52°C (In use) -40°C to +70°C (storage)
Mounting	1/4X20 threads, Female
Applications	Radiated Immunity and EM field monitoring

* Nominal values, subject to change without notice.

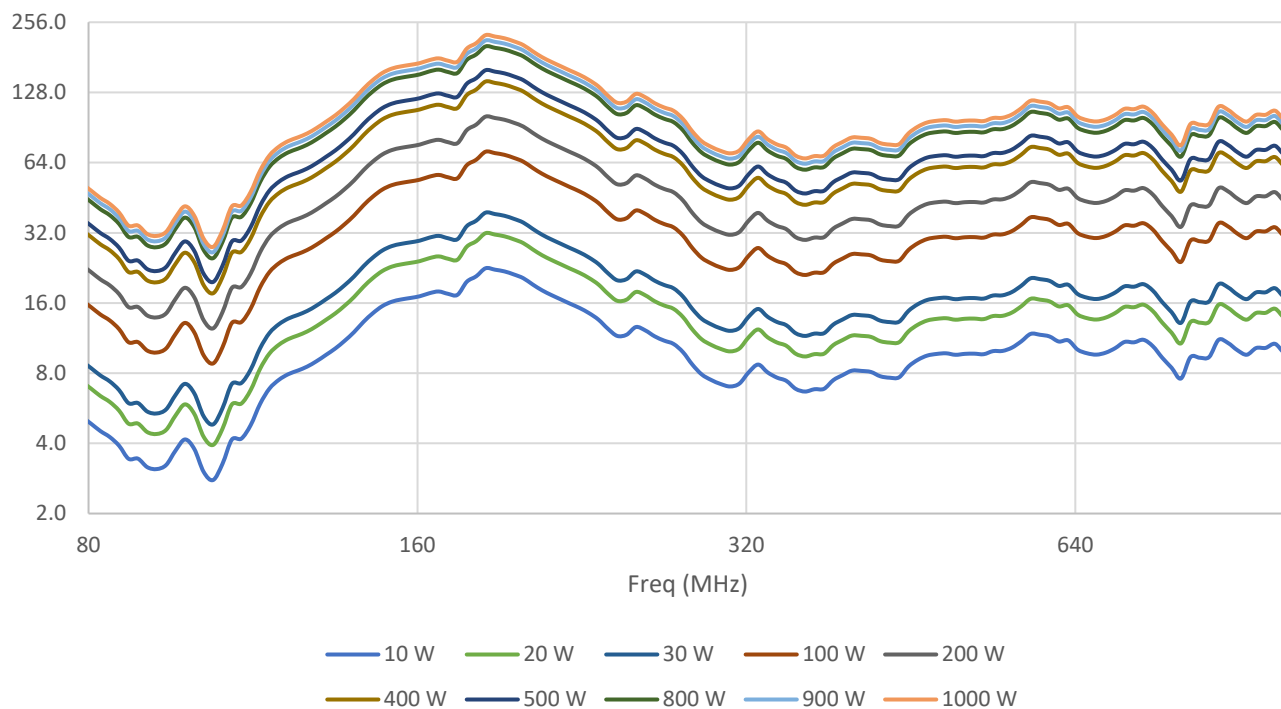
Calibration

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.

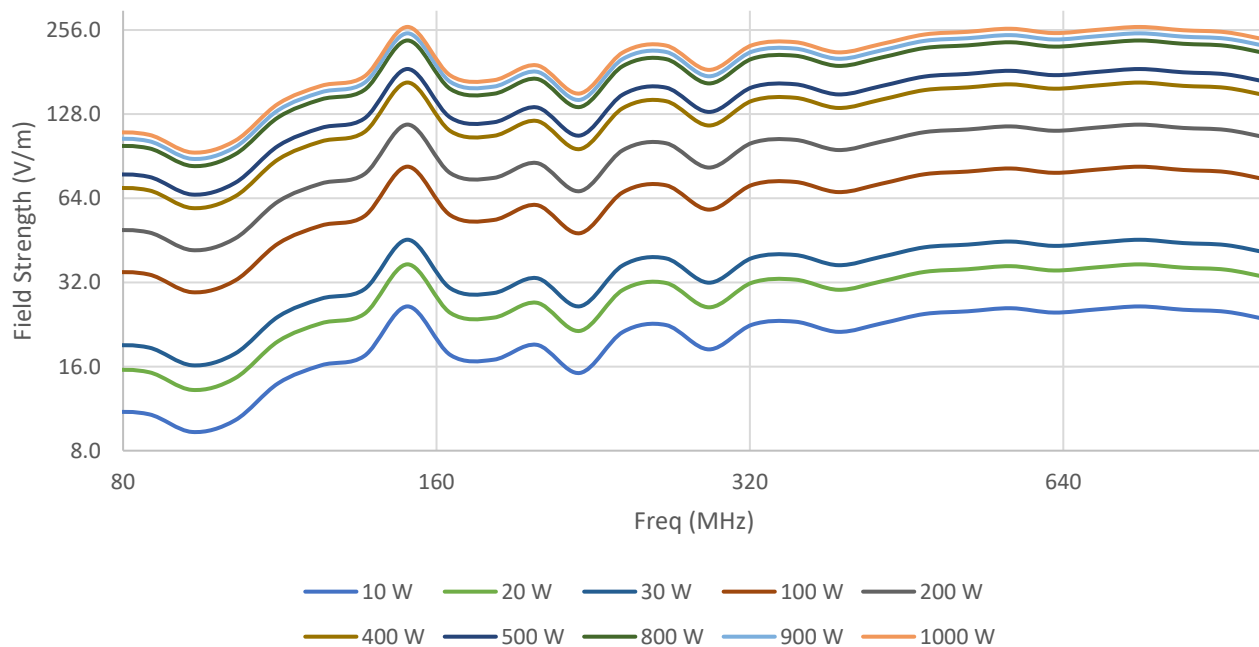




Field Strength @ 3m



Field Strength @ 1m



Note : Power indicated is the Forward Power measured at the input to the Antenna connector. Measurements are taken in 6mx5mx3.5m 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.