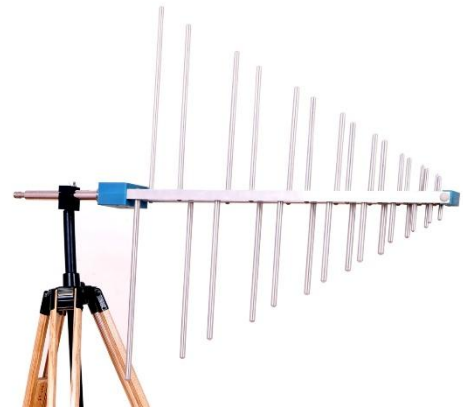


## Features

- **Log-Periodic Antenna for EMC /EMI Testing**
- **Frequency Range : 200 – 1500 MHz**
- **VSWR 2.5 (200-1000 MHz)**
- **Gain 6 dBi**
- **Impedance - 50Ω (Nominal)**
- **Precision construction**
- **Material - Aluminium**
- **Individual calibration as per ANSI 63.5 / SAE ARP 958**



## Description

The ANB-LPD-0215HP 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 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 Radiation Emissions, Immunity, Normalized Site Attenuation (NSA), and other electro-magnetic (EM) field measurement applications.

## Specifications\*

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Model                 | <b>AN-LPD-0215HP</b>                                                       |
| Frequency Range       | <b>200 – 1500 MHz</b>                                                      |
| VSWR                  | <b>2.5 (200 – 1000 MHz)</b>                                                |
| Antenna Factor (dB/m) | <b>10 – 30 (dB/m)</b>                                                      |
| Max Power             | <b>1000 watt</b>                                                           |
| Polarisation          | <b>Linear</b>                                                              |
| Connector Type        | <b>N female</b>                                                            |
| Dimensions (L x W )   | <b>970 x 756 mm</b>                                                        |
| Weight                | <b>2.2 Kg</b>                                                              |
| Environmental         | <b>-20°C to +40°C</b>                                                      |
| Mounting              | <b>22mm diameter tube</b>                                                  |
| Applications          | <b>Radiated Emissions / Immunity / NSA Testing and EM field monitoring</b> |

\* Nominal values, subject to change without notice.

## Calibration

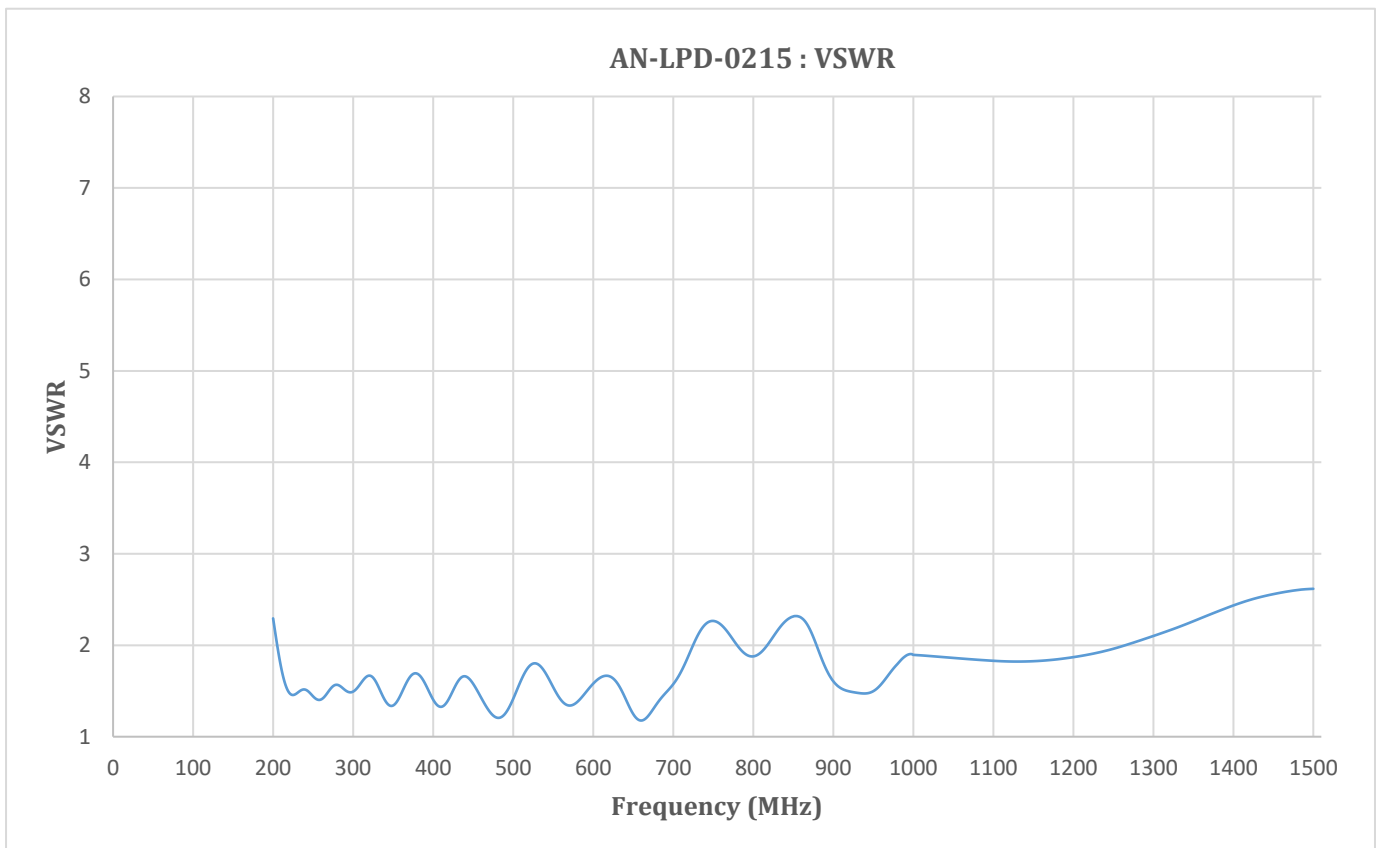
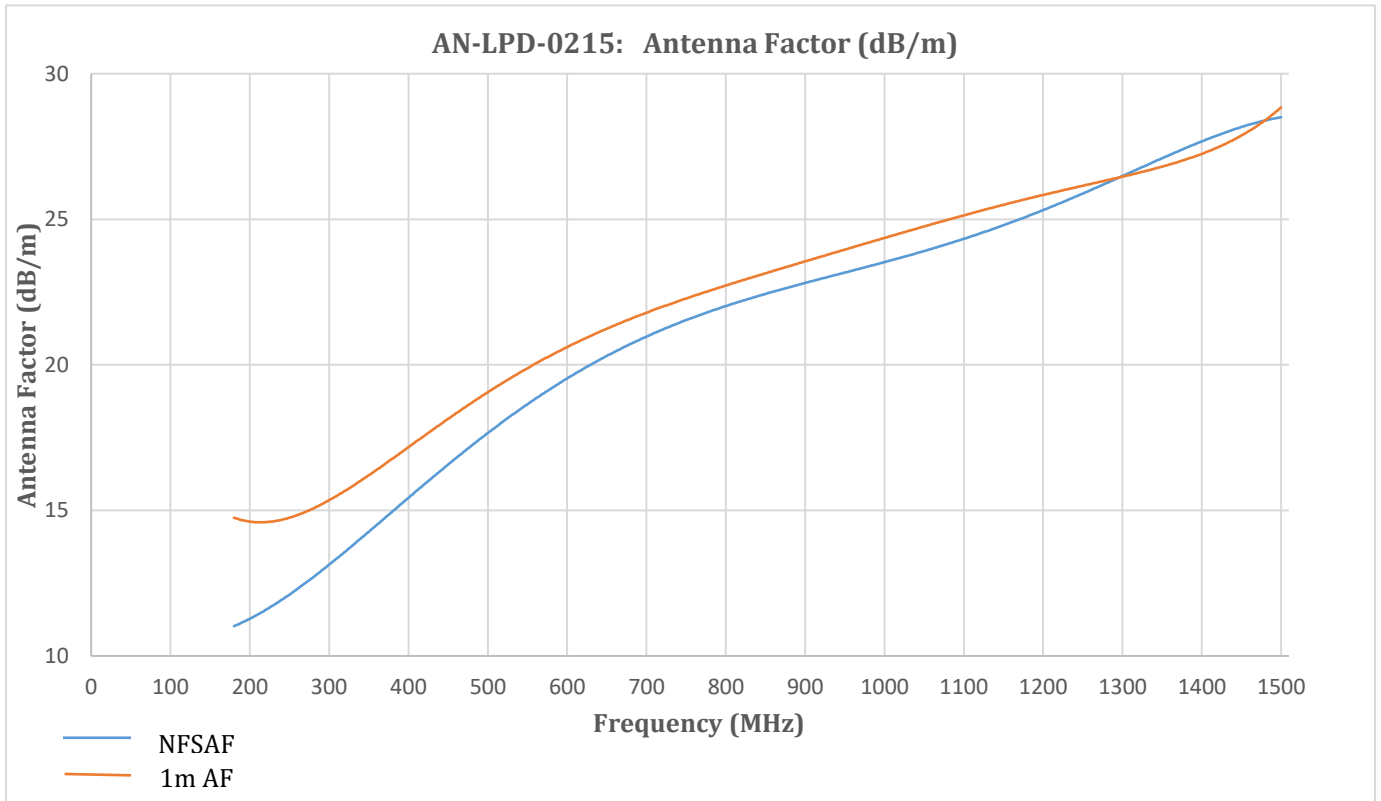
Each antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5 or SAE ARP 958. IEC 17025 Accredited calibration is available upon request.

## Related Products

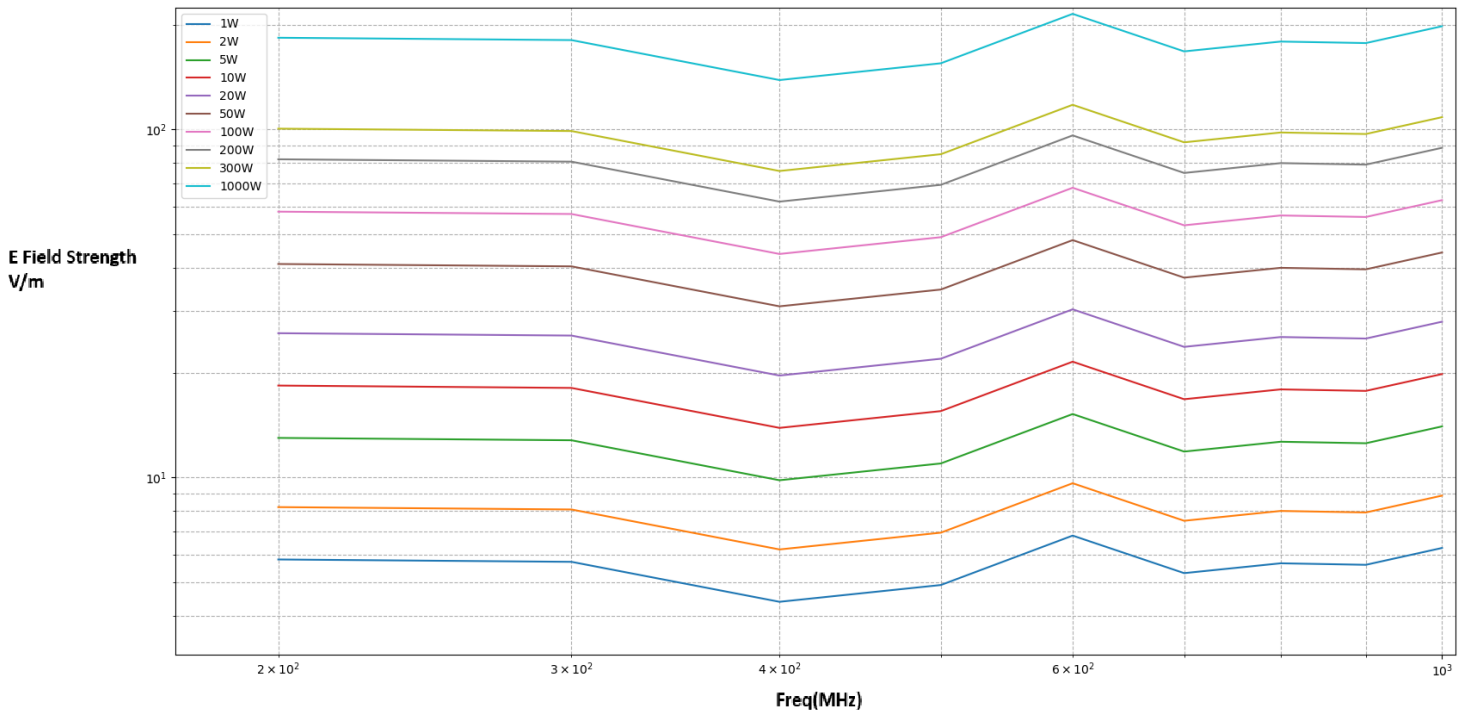
MAS\_FG\_03

Modular telescopic non reflective fibre glass mast

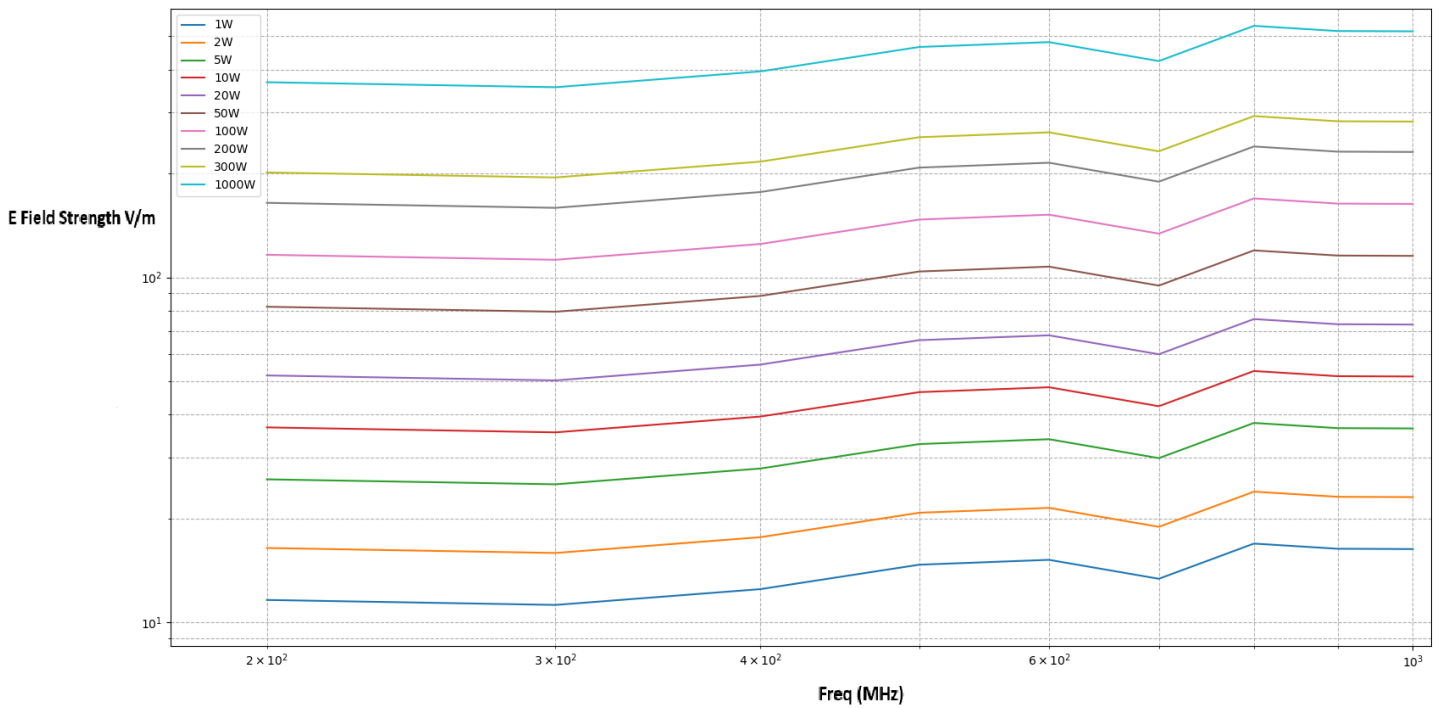
#### Typical Conversion Factors of AN-LPD-00215 LPDA Antenna



AN-LPD2-0215HP Generated Field Strength 3m Tip EUT



AN-LPD2-0215HP Generated Field Strength 1m Tip EUT



Note : Power indicated is the Forward Power measured at the input to the Antenna connector