

Features

- **Double Ridge Horn Antenna for EMC /EMI Testing & Tx / Rx applications**
- **Frequency Range : 1 – 18 GHz**
- **Impedance - 50Ω (Nominal)**
- **VSWR <2 (1GHz-18GHz), <4(700MHz-1GHz)**
- **Individual calibration as per ANSI 63.5/ SAE ARP 958**
- **One year standard warranty.**

**Description**

The ANDRH-0118 is a linearly polarized double ridged waveguide horn antenna. The antenna is designed to operate over the frequency range of 1-18 GHz with a VSWR better than 2.5. The antenna is useable down to 700MHz

The antenna is engineered to be durable and rugged. It is useful in both indoor and outdoor applications. Typical applications include EMC (radiated emissions and immunity), shielding effectiveness, interference monitoring, site surveys and other general Tx / Rx purposes.

The antenna is available with both N Type / SMA connectors as an option. The antenna can be mounted using a 22mm diameter stock, compatible with most EMC masts. Threaded mounting adaptors are also available optionally.

Specifications*

Model	ANDRH-0118
Frequency Range	1 – 18 GHz
Antenna Factor (dB/m)	20 – 45 (dB/m)
Max Continuous Power	300 W (N), 100 W (SMA)
Polarisation	Linear
Connector Type	N / SMA – F Type
Dimensions (L x W x H)	210 × 240 × 142 mm
Weight	~2 Kg
Environmental	-20°C to +40°C
Mounting	22mm diameter tube
Applications	Radiated Emission/ Immunity, SE, Site Surveys

* Nominal values, subject to change without notice.

Calibration

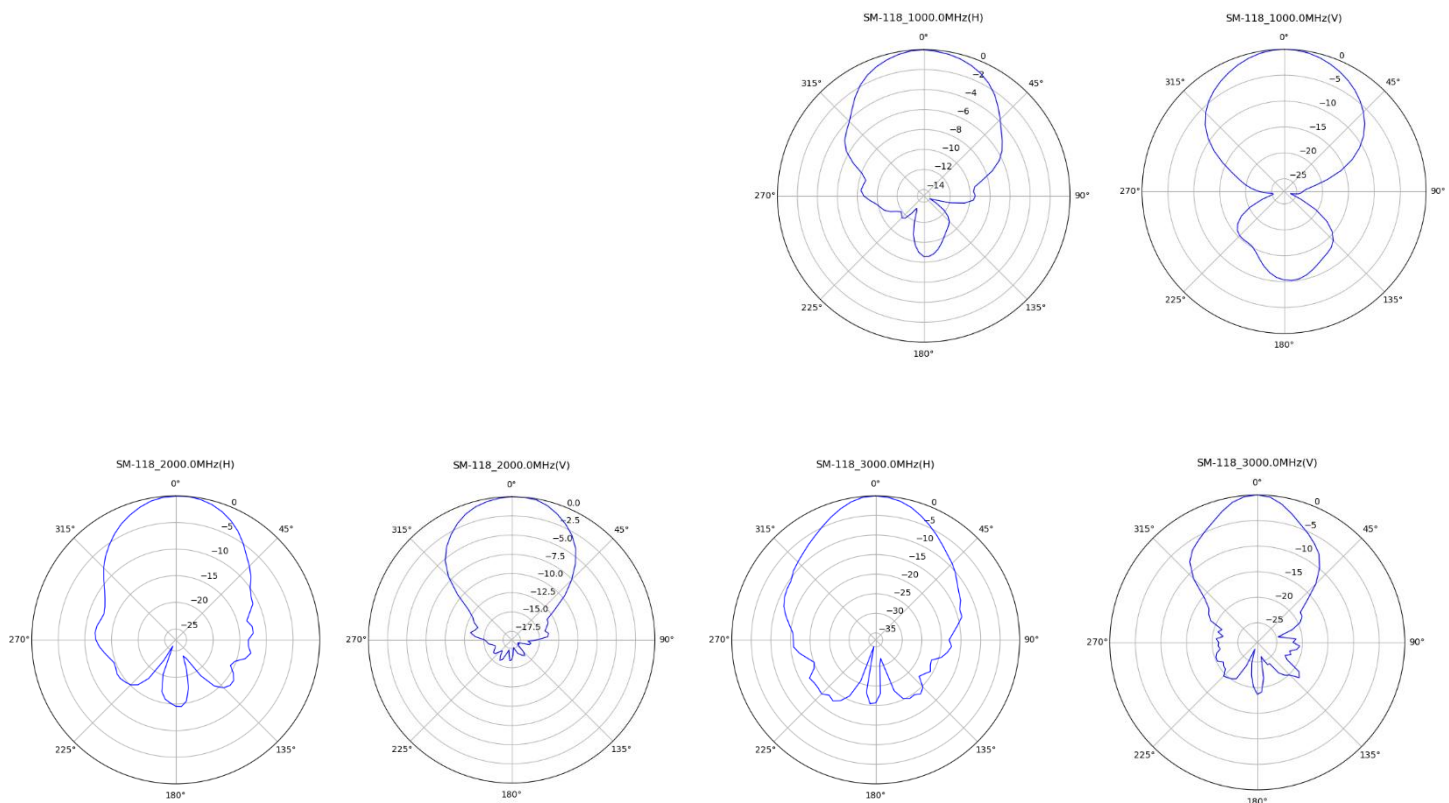
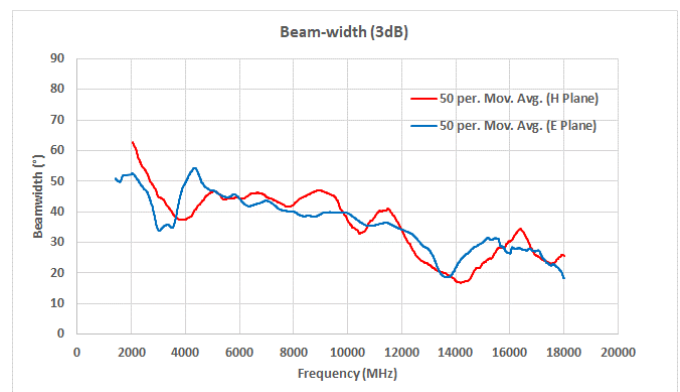
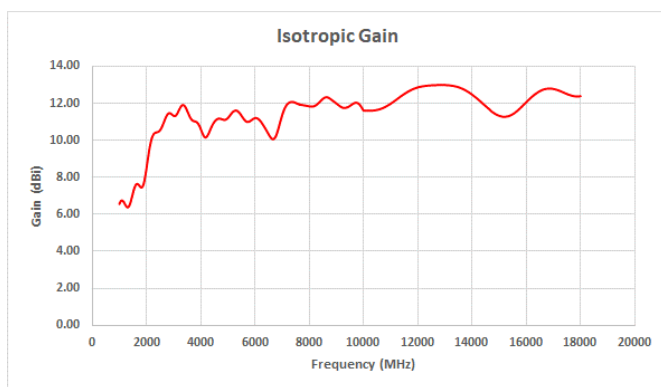
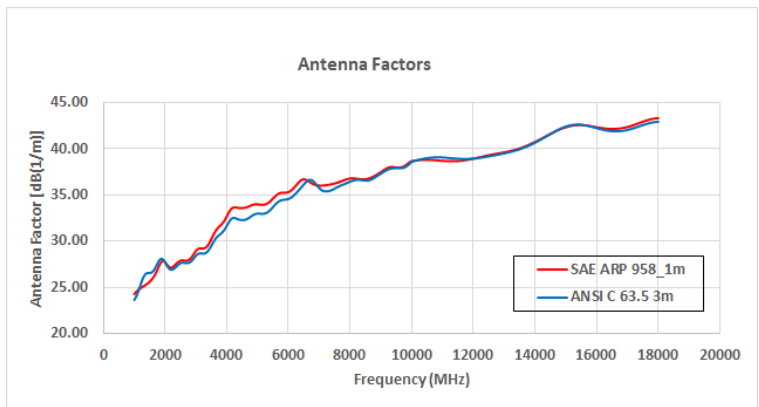
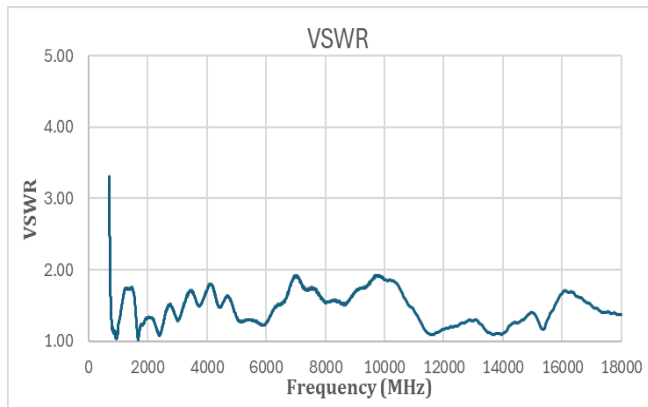
Each antenna is individually calibrated (traceable) at an Open Area Test Site as per ANSI 63.5 or SAE ARP 958. 17025 Accredited calibration is available upon request.

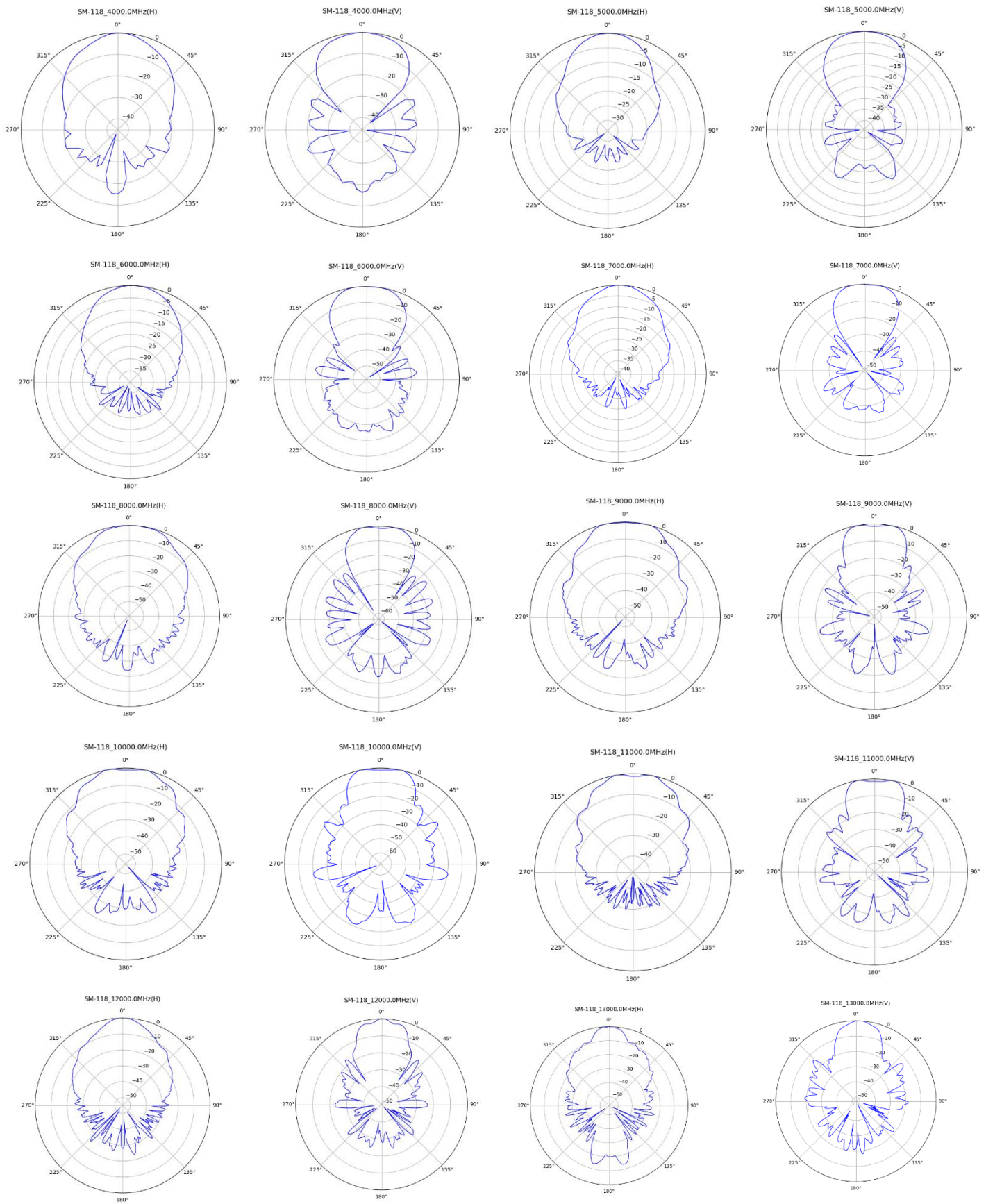
Related Products

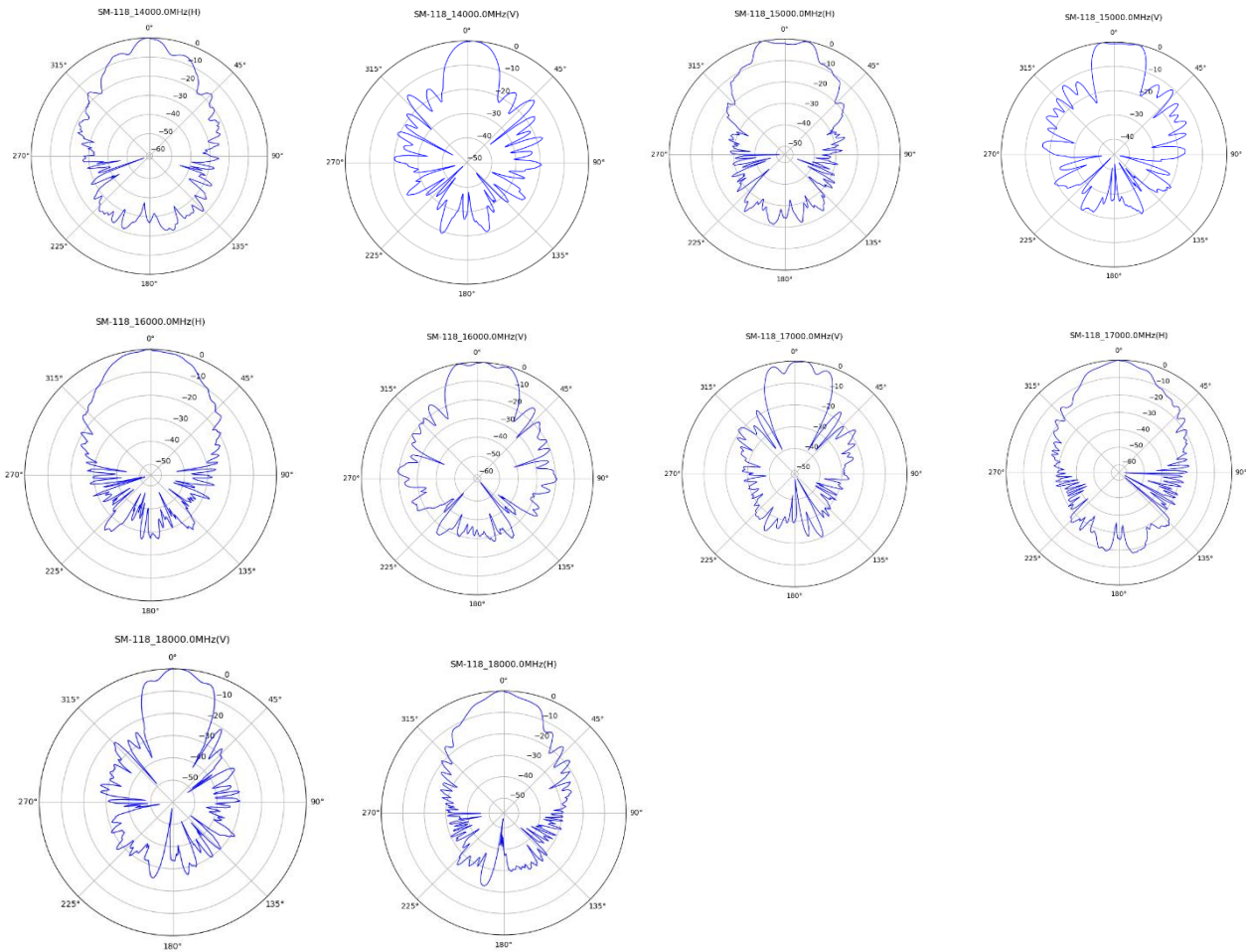
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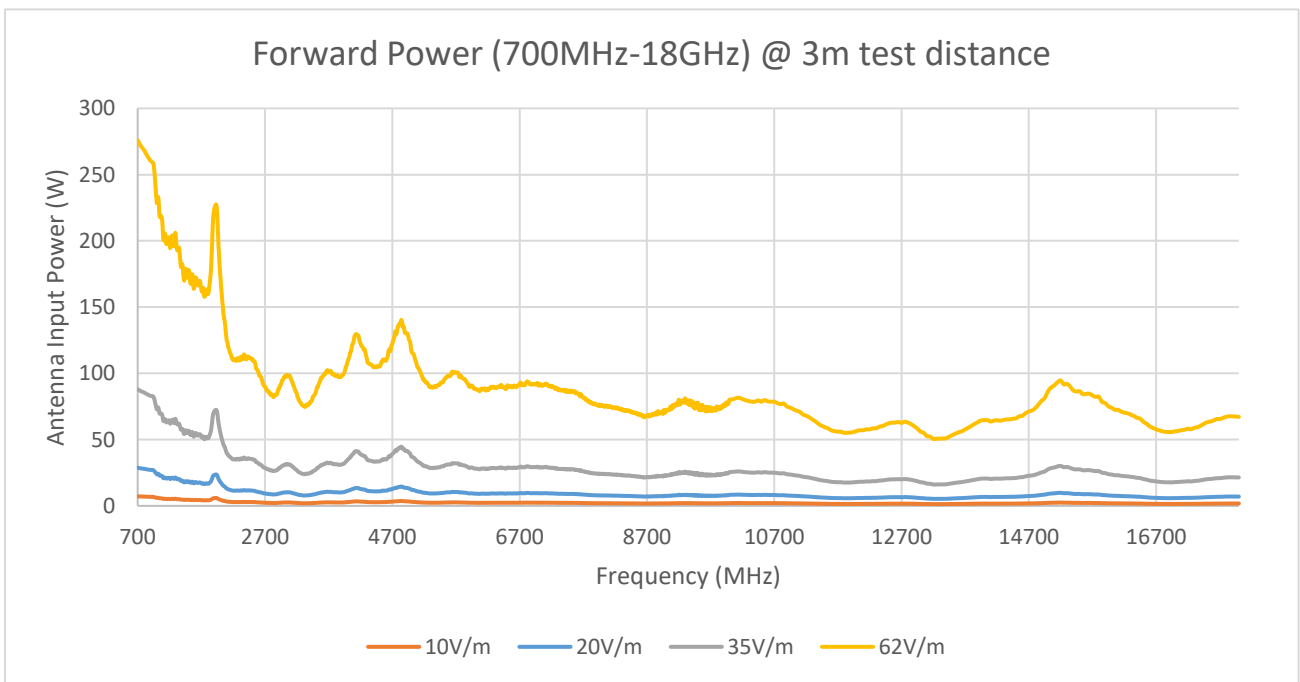
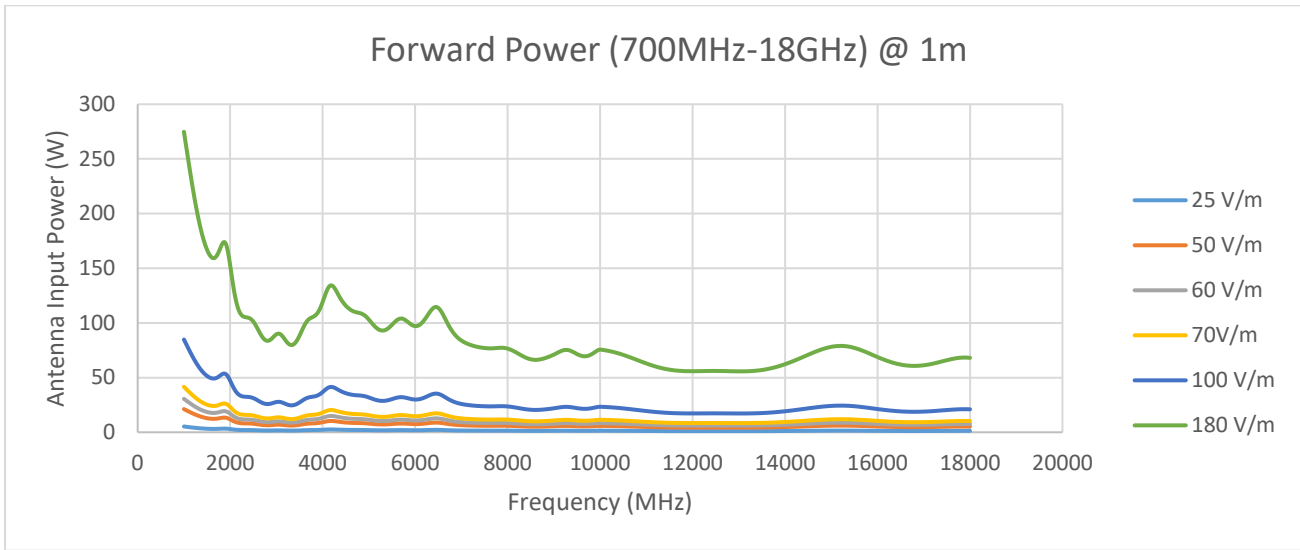
Modular telescopic non reflective fibre glass mast

Typical Antenna Performance









Note : Field indicated is with the Forward Power measured at the input to the Antenna connector. Measurements are taken in fully anechoic 6mx5mx3.5m chamber in vertical polarisation.