

### Description

The Model 1313-2-80M1G is a wide band, high-gain, log periodic antenna that provides field intensities of up to 220 V/M. With an average gain of 7.5 dBi over isotropic and gain flatness of  $\pm 1$  dB, the Model 1313-2-80M1G supplies the constant, high-intensity fields necessary for RF/EMI field testing within and beyond the confines of a shielded room. It can also be used as a receiving antenna for RF emissions testing. The Model 1313-2-80M1G is compact and lightweight for ready mobility, yet is built tough for the extra demands of outdoor use and easily mounts on a flat surface or tripod. The Model 1313-2-80M1G allows polarization change without removing the antenna from the tripod.



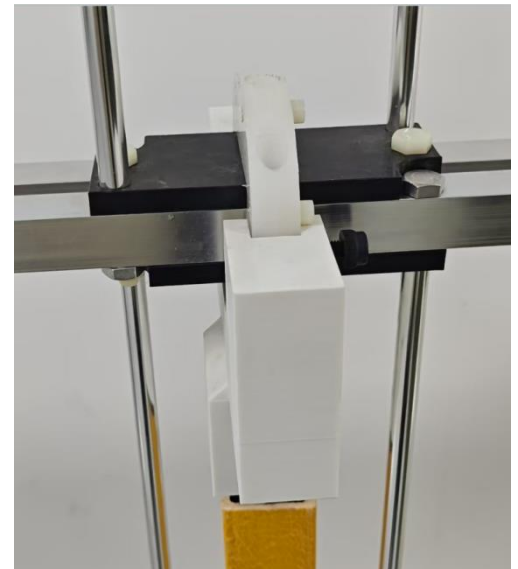
Bracket is not included

### Specifications

All specifications are subject to change without notice.

All values are typical, unless specified.

Frequency Range:	<b>80 - 1000 MHz</b>
Power Input(maximum):	<b>1000 W</b>
Power Gain(over isotropic):	<b>6.5 dBi minimum 7.5 dBi average</b>
Gain Flatness:	<b><math>\pm 1.0</math> dB</b>
Impedance:	<b>50 ohms nominal</b>
VSWR:	<b>3.0:1 Maximum 2:1 Average</b>
Beam Width(average):	<b>E Plane 60 deg H Plane 105 deg</b>
Front to Back Ratio(minimum):	<b>15 dB</b>
Connector:	<b>N female</b>
Weight:	<b>7.7 kg</b>
Size(WxHxD):	<b>193 cm*10 cm*180 cm</b>
Mounting Provisions:	<b>Composite bracket 1313-2-80M1G-MP available. To provide stable support for the antenna. It also make antenna rotate around the main arm axis.</b>



Rotation Mechanism

## Typical Data

