

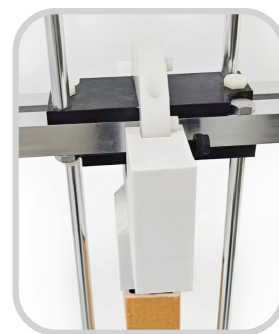
Log Periodic Antenna 1313-2-80M1G



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 dB over isotropic and gain flatness of ± 1 dB, the Model 1313-2-80M1G supplies the constant, high-intensity fields necessary for RFI/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.

Specifications

Frequency Range	80–1000 MHz
Power Input (Maximum)	1000W
Power Gain (Over Isotropic)	6.5 dBi minimum, 7.5 dBi average
Gain Flatness	± 1.0 dB
Impedance	50 ohms nominal
Vswr	Maximum: 2.0:1, Average: 1.5:1
Beam Width (Average)	E plane: 60°, H plane: 105°
Front to Back Ratio (Minimum)	15 dB
Connector	See model configurations
Mounting Provisions	Wall bracket included. May also be tripod mounted using the optional 1313-2-8M1G-MP. Also includes non-metallic mast, 20 inches long, for vertical mounting.
Weight	7.7 kg (17 lb)
Size (Wxhxd)	Assembled: 193.0x13.0x160.0cm (76.0x5.1x63.0 in) Unassembled: 95.2x13.0x160.0cm (37.5x5.1x63.0 in)



Model Configurations

Model	Connector	Power Input
1313-2-80M1G	N (f); C (f) for high power	1000W