

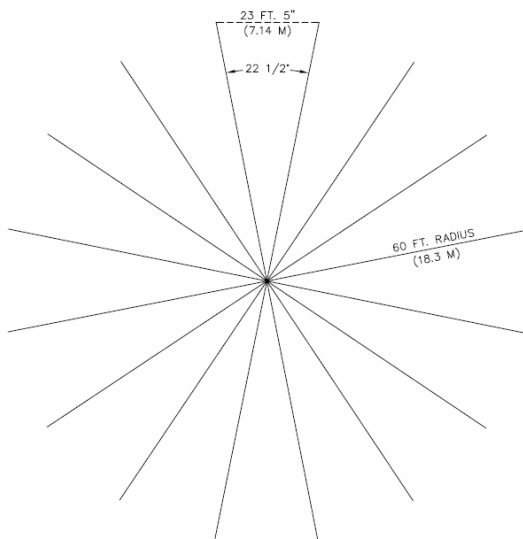
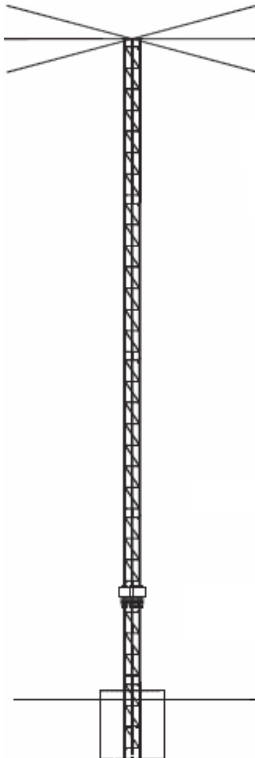


## 40 ft. Mast Antenna

Part Number: SLF10080

SPECIFICATION SHEET

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Counterpoise view from above

FEATURE	SPECIFICATION
Resistance	50 Ohms
Max Power Rating	Up to 1000 Watts PEP / 250 Watts carrier power 100% amplitude modulation
Capacitance	275 pF
Frequency of Operation	190-650 kHz
Polarization	Vertical
Pattern	Omni-directional
Electrical Length	28 ft. (9m)
Wind Rating	70 mph (112km/hr)
Height	40 ft. (12m)
Overturning Moment	6800 ft.-lb.
Finish	Galvanized steel
Weight	285 lbs. (129kg)
Optional Equipment	Installation Kit, Antenna Simulator
Temperature Range	-50°C - +70°C
16 Radial Ground System	1100 ft. (335m) of #10 AWG soft-drawn copper wire, 17 2m ground rods, ground clamps, associated hardware

\*Information provided is subject to change without notice

### **Mechanical:**

The antenna is made of 3, 10 ft. (2m) galvanized steel sections configured on 12.5 in. (32cm) equilateral triangular design with electrically welded continuous steel "zigzag" cross bracing. 2, 5 ft. (1.5m) RF insulator sections are also provided. The lattice tower sections are designed in accordance with U.S. National Standard ANSI/EIA-222 F.

Three high voltage insulators are used to isolate the radiator from the ground. Rain shields are included to enhance the insulation.