

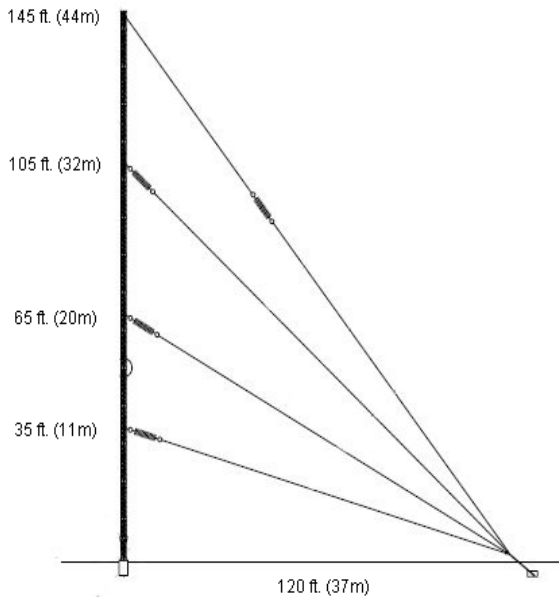


145 ft. Mast Antenna

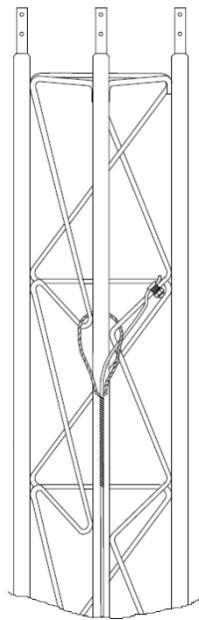
Part Number: SLF10066

SPECIFICATION SHEET

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*Information provided is subject to change without notice



Top Hat Guy Detail

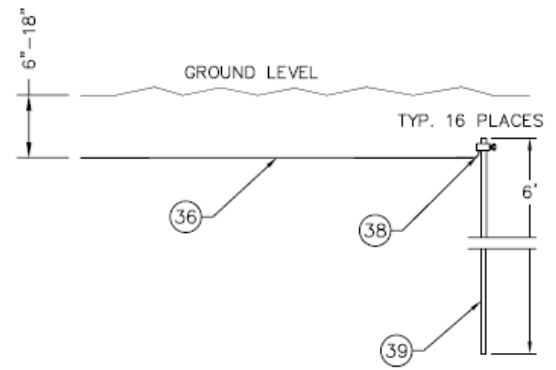
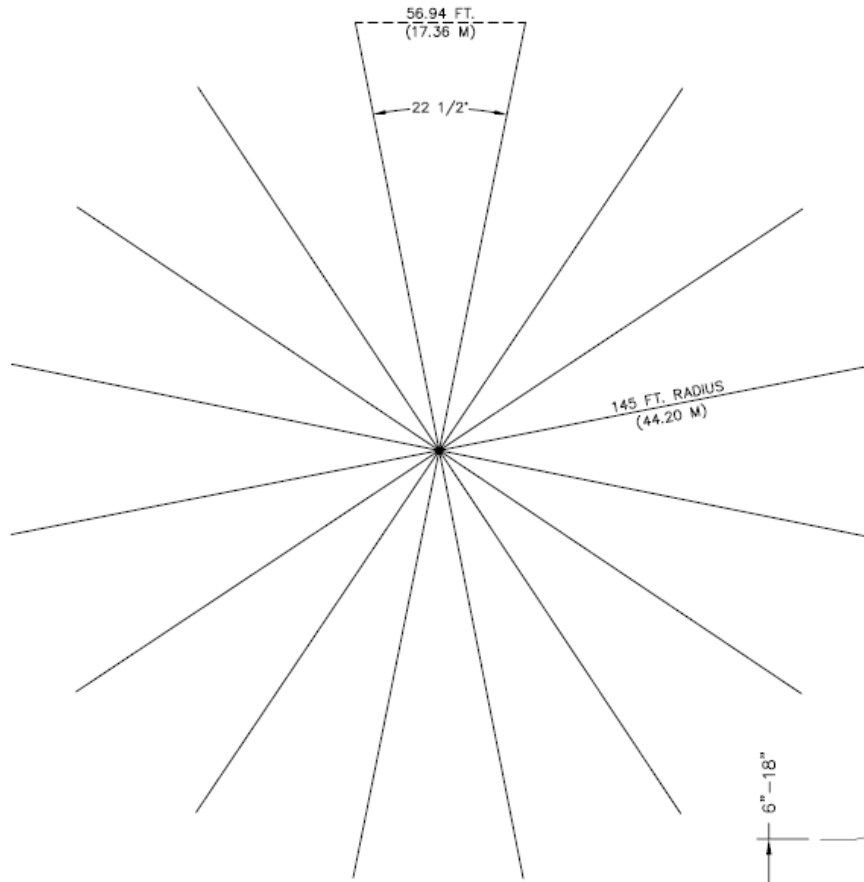
FEATURE	SPECIFICATION
Resistance	50 Ohms
Max Power Rating	4000 Watts PEP
Capacitance	680pF with standard Top Loading Guy wires; 1018pF with optional perimeter wire loading
Frequency of Operation	190 - 535 kHz
Range (500W Transmitter over good ground)	210 nautical miles at 190kHz to 170 nautical miles at 535kHz
Range (1000W Transmitter over good ground)	245 nautical miles at 190kHz to 190 nautical miles at 535kHz
Polarization	Vertical
Pattern	Omni-directional
Electrical Length	92 ft. (28m), 110 ft. (33m) with perimeter wire
Wind Rating	130 mph (209km/h)
Ice Rating	0.4 in. (1cm) ice accumulation
Height	145 ft. (44m)
Sections	13 (thirteen) 10ft. (3m) sections, 2 (two) 5ft. (1.5m) RF insulator sections, 1 (one) 5 ft. (1.5m) top section
Finish	Galvanized steel
Temperature Range	-50°C - +70°C
Base Pier Rating	22000 lbf. (97860 N)
16 Radial Ground System	2500 ft. (762m) of #10 AWG soft-drawn copper wire, 17 (seventeen) 6 ft. (2m) ground rods, ground clamps, associated hardware
Optional Equipment	Installation Kit, Antenna Simulator

Mechanical:

The antenna is made of 14.5 galvanized steel sections configured on 12.5 in (32cm) equilateral triangular design with electrically welded continuous steel "zigzag" cross bracing. 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. Three top-loading guy wires are used to develop and enhance antenna capacitance.

Counterpoise Diagram



SIDE VIEW