

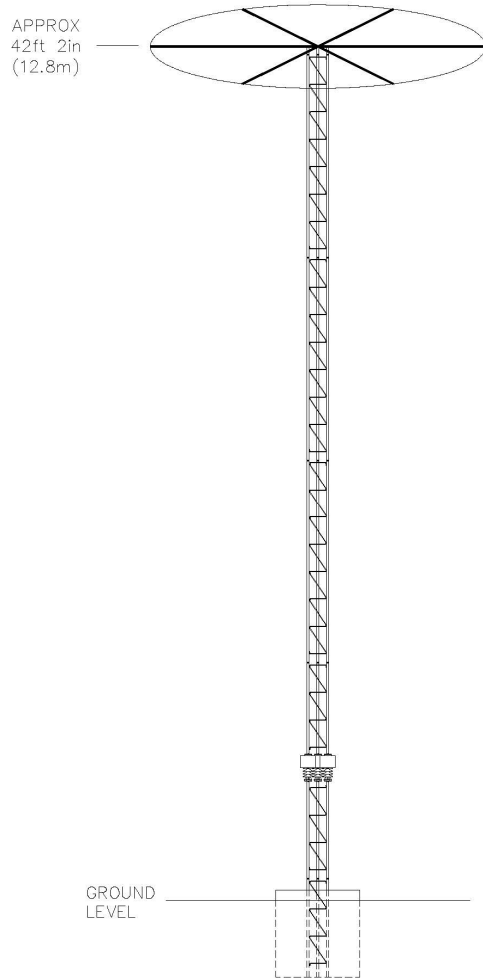


40 ft. Mast Antenna

Part Number: SLF10080

SPECIFICATION SHEET

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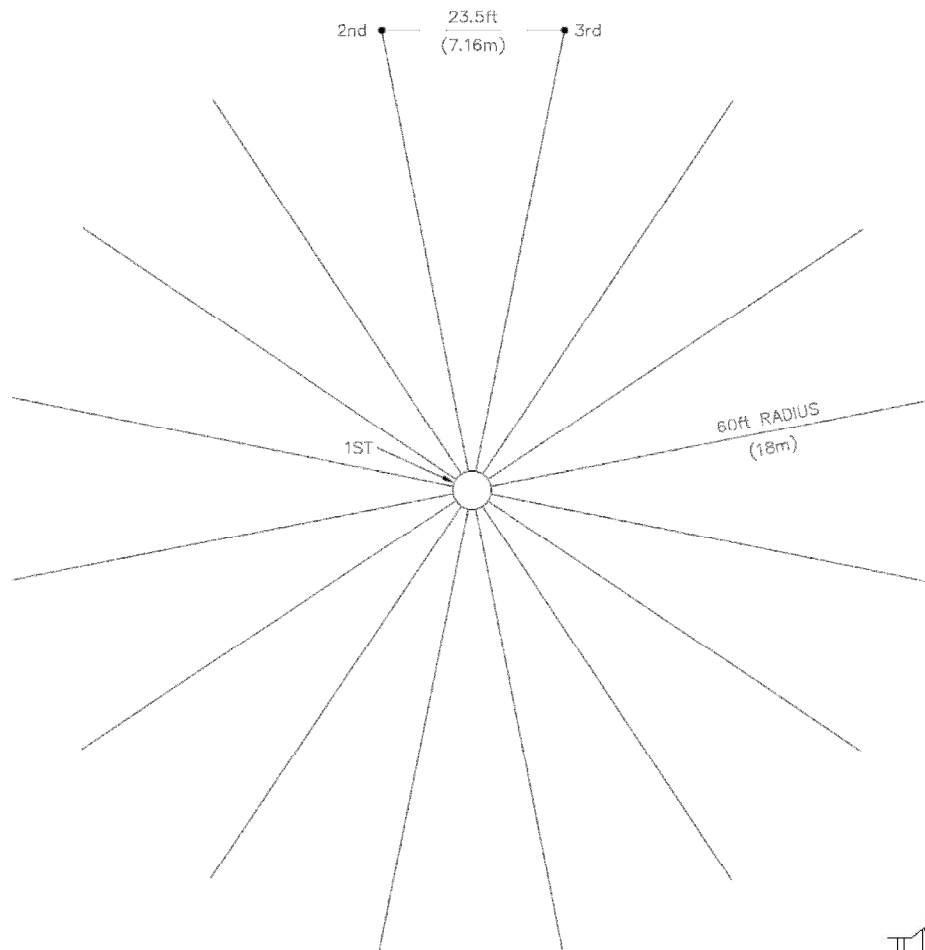
FEATURE	SPECIFICATION
Resistance	2-30 Ohms, 10 Ohms typical
Max Power Rating	1000 Watts PEP / 250 Watts carrier power at 100% amplitude modulation
Capacitance	447 pF
Frequency of Operation	190-650 kHz
Polarization	Vertical
Pattern	Omni-directional
Antenna Gain	-11 dBi@ 300 kHz
Electrical Length	33 ft. (10.1m)
Wind Rating	70 mph (112km/hr)
Height	42 ft. (12.8m)
Weight	250 lbs. (114kg)
Sections	Three (3) 10ft sections, Two (2) 5ft (1.5m) RF insulator sections
Finish	Galvanized steel to ASTM A123
Temperature Range	-50°C - +70°C
Base Pier ratings	6,800 lbf. (9,227N)
16 Radial Ground System	1100 ft. (335m) of #10 AWG soft-drawn copper wire, 17 6ft. (2m) ground rods, ground clamps, associated hardware
Optional Equipment	Installation Kit, Antenna Simulator, Enhanced Counterpoise SLF87720, Obstruction LED kit SLJ00203

*Information provided is subject to change without notice

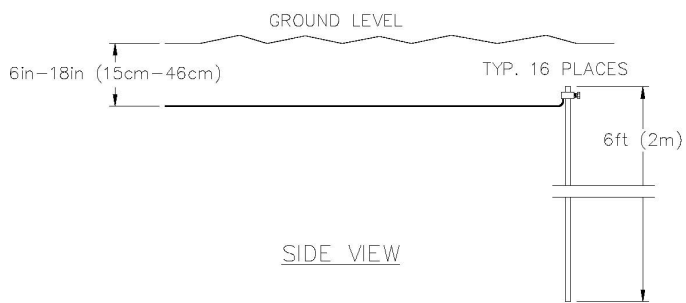
Mechanical:

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.

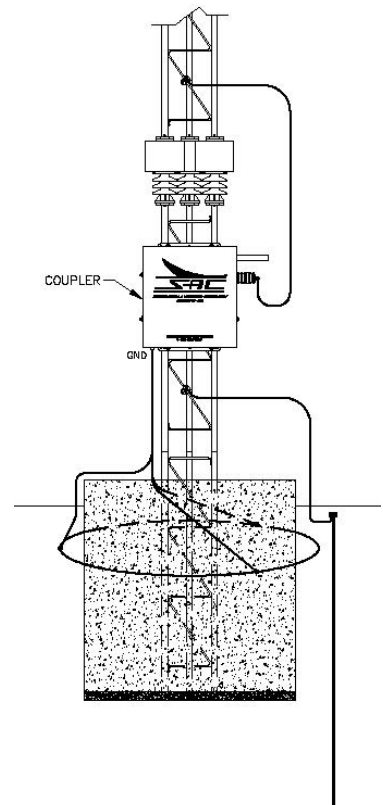
Three high voltage insulators are used to isolate the radiator from ground. Rain shields are included to prevent water sheeting during heavy rain.

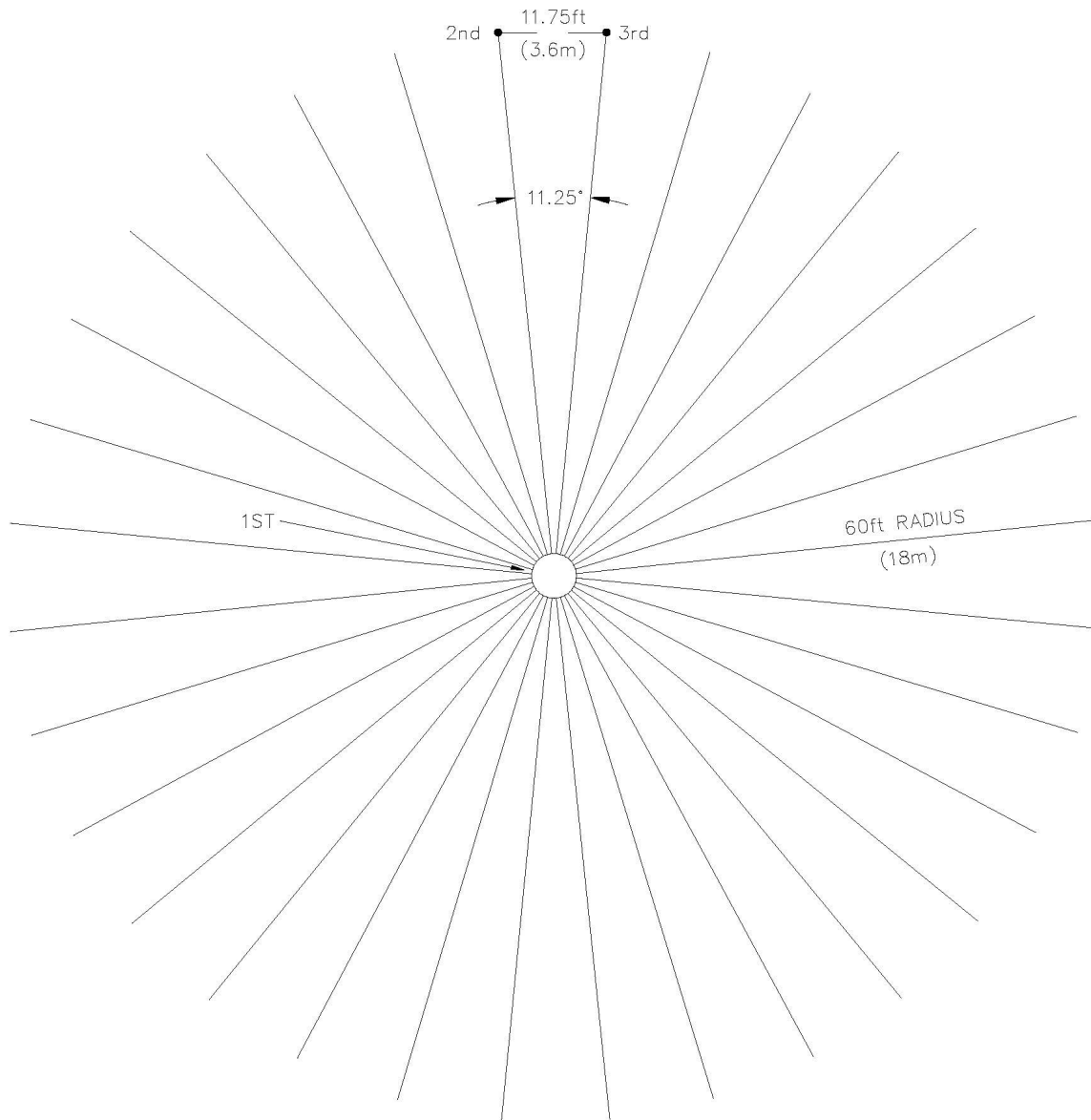


16 Radial Counterpoise Diagram

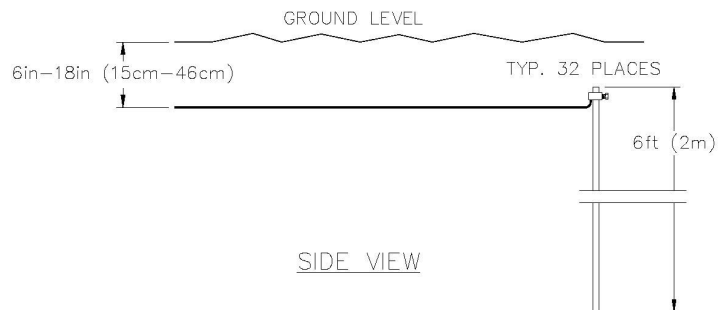


SIDE VIEW





32 Radial Counterpoise Diagram



Application:

Sixteen (16) radials are generally adequate for "normal" soil, but in cases of poor ground conductivity, the number of radials can be doubled by using option SLF87720 which will double the number of radials to 32.