

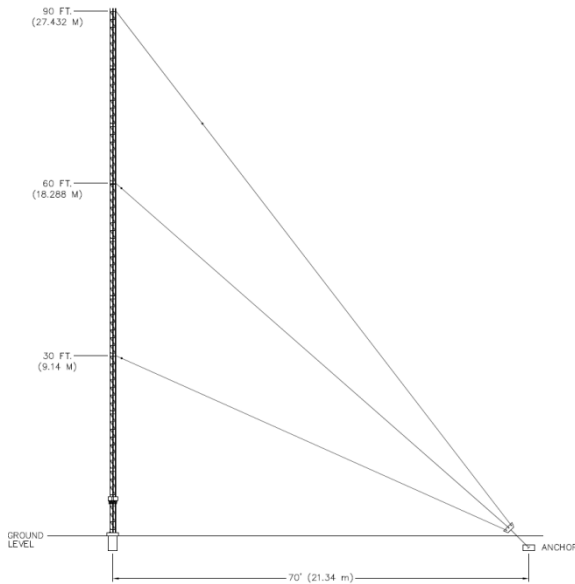


90 ft. Mast Antenna

Part Number: SLF10005

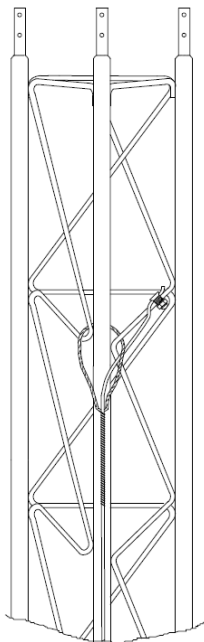
SPECIFICATION SHEET

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 sales@southernavionics.com



Guy Anchor Location Detail

*Information provided is subject to change without notice



Top Hat Guy Detail

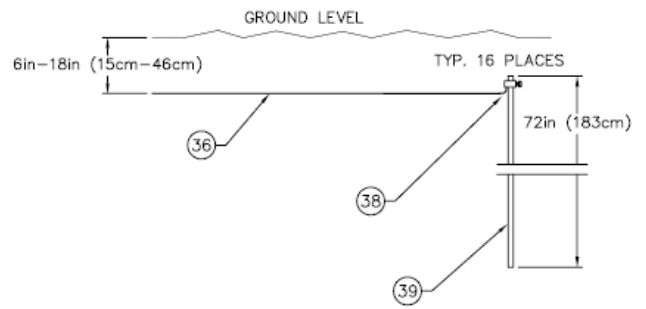
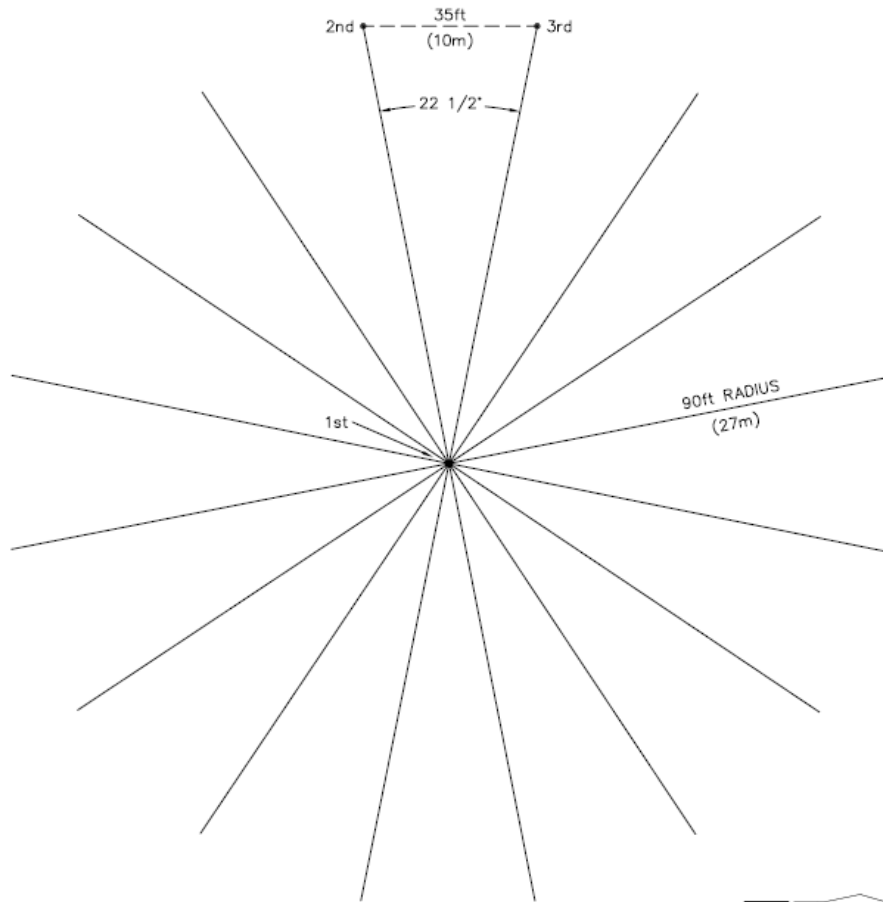
| FEATURE | SPECIFICATION |
|-------------------------|--|
| Resistance | 50 Ohms |
| Max Power Rating | 4000 W PEP |
| Capacitance | 709 pF standard |
| Frequency of Operation | 190-535 kHz |
| Polarization | Vertical |
| Pattern | Omni-directional |
| Electrical Length | 70.2 ft. (21.4m) |
| Wind Rating | 130 mph (209km/hr) |
| Height | 90 ft. (27.4m) |
| Sections | 8 (eight) 10ft. (3m) sections, 2 (two) 5ft. (1.5m) RF insulator sections |
| Finish | Galvanized steel |
| Installed Weight | 656 lbs. (298kg) |
| Optional Equipment | Installation Kit, Antenna Simulator |
| Temperature Range | -50°C - +70°C |
| Base Pier Rating | 14000 lbf. (62275N) |
| 16 Radial Ground System | 1500 ft. (335m) of #10 AWG soft-drawn copper wire, 17 6 ft. (2m) ground rods, ground clamps, associated hardware |

Mechanical:

The antenna is made of 9 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 [90 ft. (27m)/60 ft. (18m)/30 ft. (9m)] are used to develop and enhance antenna capacitance.

Counterpoise Diagram



SIDE VIEW