



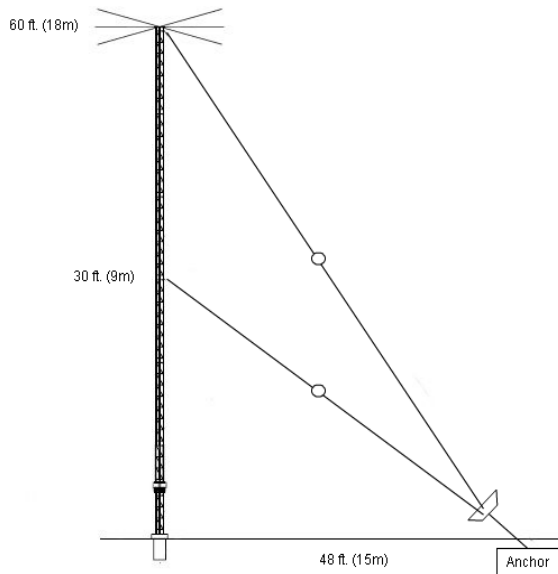
Southern Avionics Company

60 ft. Mast Antenna

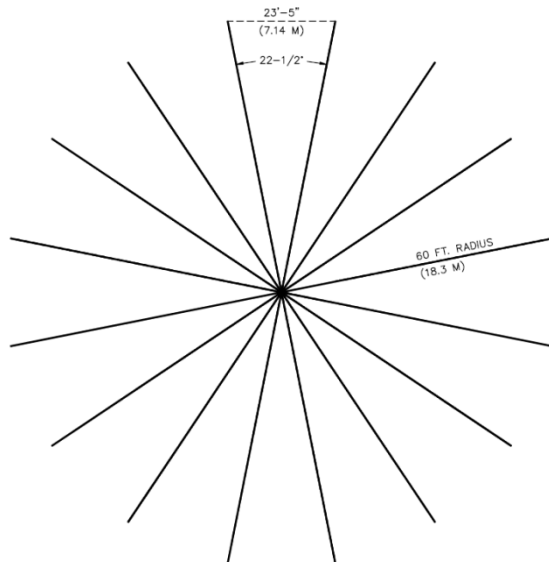
Part Number: SLF10057

SPECIFICATION SHEET

5055 Belmont, Beaumont, TX 77707
 Phone +409.842.1717/1.800.648.6158 (Toll Free in the US)
 Fax +409.842.2987
 sales@southernavionics.com



*Information provided is subject to change without notice



Counterpoise (Ground Radial System)

FEATURE	SPECIFICATION
Resistance	50 Ohms
Max Power Rating	500 Watts PEP
Capacitance	328pF standard
Frequency of Operation	190 - 625 kHz
Range (125W Transmitter over good ground)	62 nautical miles at 190kHz to 75 nautical miles at 625kHz
Polarization	Vertical
Pattern	Omni-directional
Electrical Length	39 ft. (12m)
Wind Rating	130 mph (209km/hr)
Height	60 ft. (18m)
Shipping Weight	602 lbs. (3 boxes)
Sections	5 (five) 10 ft. (3m) sections, 2 (two) 5 ft. (1.5m) RF insulator sections
Finish	Galvanized steel
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 (seventeen) 6 ft. (2m) ground rods, ground clamps, associated hardware
Optional Equipment	Installation Kit, Antenna Simulator

Mechanical:

The antenna is made of 6 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 element guy wires are used to develop and enhance antenna capacitance.