



200 ft. Low-Power Symmetrical T Antenna

Part Number: SLF10027

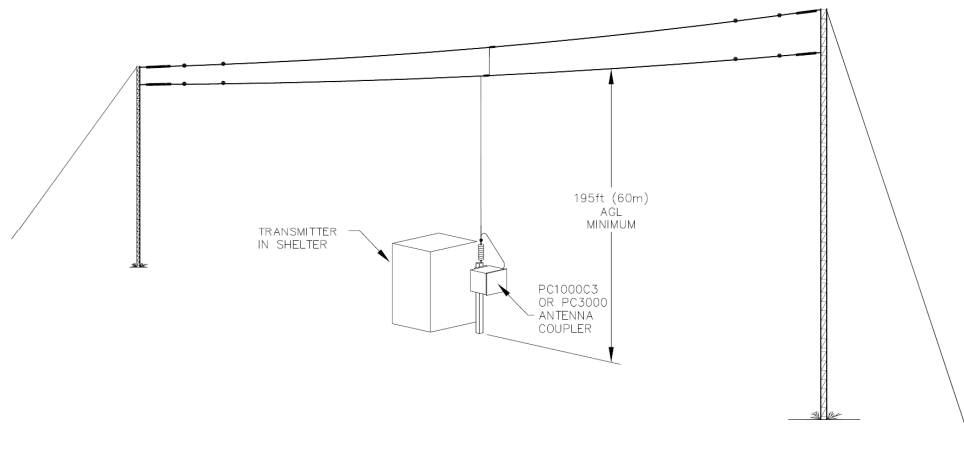
SPECIFICATION SHEET

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Application:

A Symmetrical "T" Antenna is recommended for use with a 125 - 250 Watt transmitter, if sufficient land is available. It is the optimal land based antenna system.

Signal range is a result of field strength which depends on TX power, electrical length and ground conditions

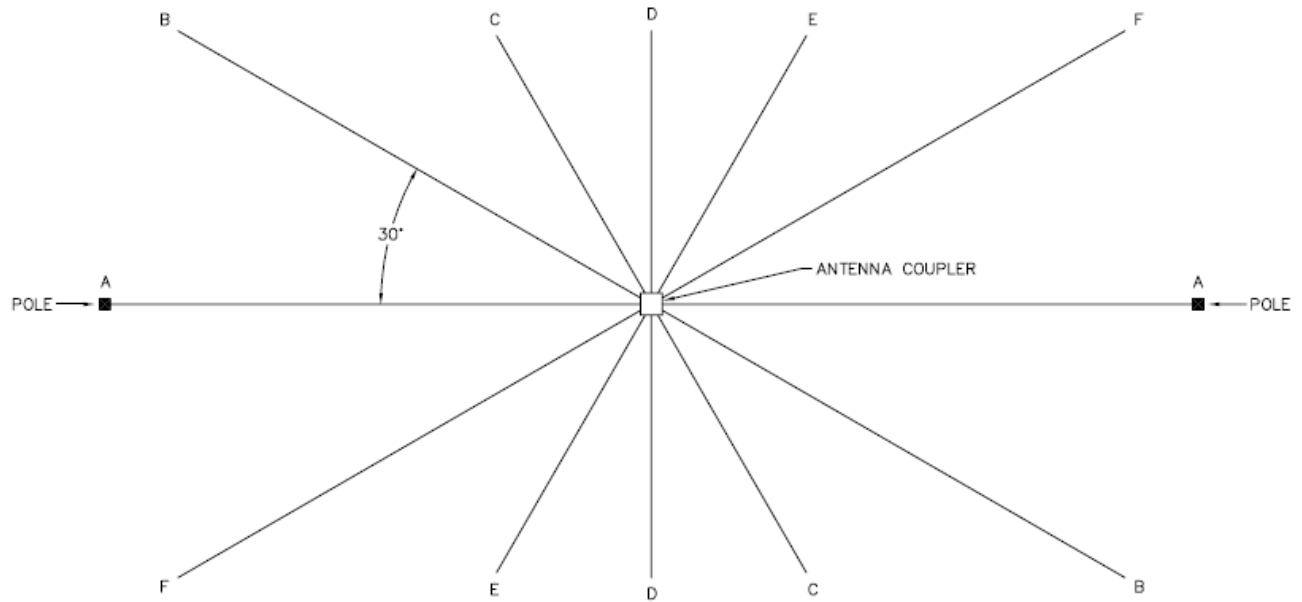
200ft (61m) grounded towers are required. They may be purchased from SAC or self-supplied. Towers are placed 300ft (91m) apart and have a 195ft (59m) vertical radiator with a 2 wire 280ft (85m) top hat. 3 guy wires support each tower.

The Antenna is designed for use with the PC1000C/3 or PC3000 Antenna Tuning Units which can have an optional AC power supply installed.

*Information provided is subject to change without notice

FEATURE	SPECIFICATION
System Resistance	Typically 10 Ohms for good ground
Power Rating	1200 Watts (PEP)
Capacitance	935pF
Frequency of Operation	190-535 kHz
Range (125W Transmitter) over Good Ground	155 nautical miles at 190kHz to 140 nautical miles at 535kHz
Range (250W Transmitter) over Good Ground	200 nautical miles at 190 kHz to 165 nautical miles at 535 kHz
Polarization	Vertical (Omni-directional pattern)
Electrical Length	50m
Wind Rating	130 mph (209km/h)
Height of towers	200ft / 61m
Ground Plot Requirements	160ft (49m) x 630ft (192m)
Weight of installed towers	1700lbs (772kg)
Optional Equipment	Optional Supports, Installation Kit, Antenna Simulator, Obstruction Lights, Anti-Ice Insulators
Temperature Range	-50°-+70°C
Ice Rating	Derate Wind Rating with any ice accumulation
12 Radial Ground System	1500ft (457m) of #10 AWG soft-drawn copper wire, 13 2m ground rods, ground clamps, associated hardware

Counterpoise Diagram



LENGTH OF	
A-A	= 300 ft. (91m)
B-B	= 300 ft. (91m)
C-C	= 170 ft. (52m)
D-D	= 150 ft. (46m)
E-E	= 170 ft. (52m)
F-F	= 300 ft. (91m)
TOTAL	1390ft. (424m)

