

LF Engineering Co.

LF Active Loop Antenna Model L-950

For Long Wave Radio Applications

The L-950 LF Active Loop Antenna is a broadband coaxial wound loop designed to be used in conjunction with an LF input circuit.

The antenna is used for critical receiving applications in fringe areas, noisy or high adjacent signal areas where an omni antenna would not be sufficient.

Frequency response is 10 kHz to 500 kHz (broadband). The 24 inch square PVC loop may be broken down into components for storage. The loop antenna and receiver may be hand held or mast mounted to a rotor. Internally threaded for 1-14 marine mount.

The loop is constructed of multi-turn coax, and is secured to a light weight 24 inch diameter pvc collapsible frame. The antenna preamplifier is weather protected within a weatherproof housing and powered through the coaxial feed line. A 12 VDC power supply / coupler interface is provided with receiver connections.



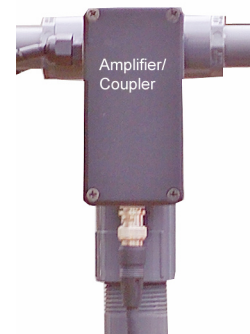
Features -

Long Wave coverage from 10 kHz to 500 kHz.

Broadband design with exceptional sensitivity and directivity.

Compact design for easy placement. Fully sealed.

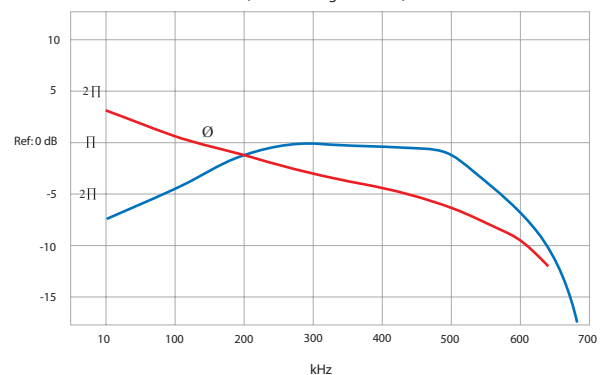
Nulls of greater than 30 dB can be achieved with the loop antenna providing interference free listening.



Specifications - L-950 LF Loop Antenna

Frequency Response	10 kHz to 500 kHz +/-3dB (normalized loop response)
Sensitivity	500kHz: 500mV/ V/m 200kHz: 200mV/V/m 10kHz: 10mV/V/m
Loop Amplifier Gain	30dB
IP3	30dBm
Loop Nulls	>30dB
Power Requirement.....	12 - 15 Volts DC @ 40 mA
Connectors	BNC
Size / weight.....	24" square / 12" handle, 1.5 lb

LF Loop Response
(induced magnetic field)



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Low Frequency Products Data Sheet
LF Active Loop Antenna
Model L-950 8-08