

LF Engineering Co.

AM BC Active Loop Antenna Model M-607

For AM Broadcast Medium Wave Applications

The M-607 AM BC Active Loop Antenna is a broadband coaxial wound loop designed to be used in conjunction with an AM Broadcast receiver.

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 530 kHz to 1720 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.



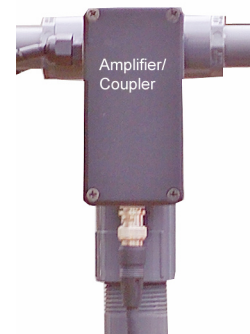
Features -

Medium Wave coverage from 530 kHz to 1700 kHz.

Broadband design with exceptional sensitivity and directivity.

Compact design for easy placement. Fully sealed.

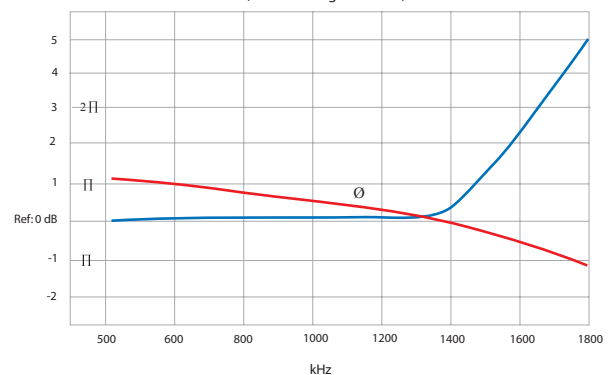
Nulls of greater than 30 dB can be achieved with the loop antenna providing interference free listening.



Specifications - M-607 AM BC Loop Antenna

Frequency Response	530 kHz to 1720 kHz +/-3dB (normalized loop response)
Sensitivity	600mV/ V/m @ 1 MHz
Loop Amplifier Gain	30 dB
IP3	30 dBm
Loop Nulls	>30 dB
Power Requirement	12 - 15 Volts DC @ 40 mA
Connectors	BNC
Size / weight	24" square / 12" handle, 1.5 lb

AM BC Loop Response
(induced magnetic field)



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Broadcast Products Data Sheet
AM BC Active Loop Antenna
Model M-607 8-08