



Article Side

Achieve Optimum Clarity from your Tuner with FM Antenna by [Julia Roger](#)

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Is your FM radio not playing properly? Are you tired of getting your device repaired but could not understand the problem area? Well, sometimes the problem might not be the device but with the reception of the commercial FM radio signal. Many radios and most home stereo receivers include antenna terminals for the connection of an external antenna so that the signal quality can be improved. The selection and installation of an appropriate fm antenna is the most important aspect of receiving high quality FM broadcasts.

FM interference problems occur mostly when the distance between the transmitting and the receiving antennas increases. Troposphere scatter causes part of the FM transmissions to be refracted towards the Earth at some distance within the normal line of sight. This phenomenon may occur when a temperature inversion is located in the FM broadcast signal path. Obstructions to an FM signal results in partial absorption by small hills, buildings, towers and mountains which lowers received signal strength or reflection..

Indoor FM antennas should provide excellent reception but there are several factors which count for poor reception quality. The radio frequency environment in the metropolitan areas are jam packed with voice and data transmissions over modulated broadcasts, FM multipath and out-of-band interference which leads to spilling over with your favorite FM radio station. Because the L-R portion of the FM stereo broadcast signal is affected by this multipath hence the reception of even a strong local FM station might get noisy and distorted.

However, you can get rid of all these problems by making your own fm antenna for better radio reception. You first need to determine the frequency of the station desired to be tuned. After which you need to calculate the length of the antenna. Thirdly, you need to improve the antenna design and accordingly cut the feed line..

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