



## Low Power FM (LPFM) Channel Finder Results

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Fri Aug 30 10:54:29 2013   EXCLUDES second-adjacent channel spacings  
EXCLUDES intermediate frequency (I.F.) spacings

Input options:   Latitude, Longitude: 40° 16' 15", 75 14' 55"

Google Map: [5.6 km radius \(approximate 60 dBu service contour coverage\)](#)



**CONDITIONAL.** The requested latitude and longitude meet the PROPOSED LPFM spacing requirements for one or more second adjacent and/or intermediate frequency (I.F.) channels.

These proposed spacing rules are not yet in effect.

### Channels Available for LPFM LP100 Stations [Channels 201 to 300, [corresponding to 88.1 to 107.9 MHz](#)]

Channel 225 ---- 92.9 MHz  
Channel 253 ---- 98.5 MHz  
Channel 289 ---- 105.7 MHz  
Channel 293 ---- 106.5 MHz

This analysis does not determine whether an LPFM station at this location and channel might receive interference within its 60 dBu LPFM service contour from FM broadcast stations already operating or authorized in the band from fully spaced locations. LPFM stations must accept all such interference.

Because the FM database constantly changes, there is no guarantee that channels represented as "available" will be technically acceptable at the time of application filing.

### Available Channels Interference Analysis

This section considers the acceptable LPFM-use channels listed above, and determines which of these channels will be less likely to suffer interference from existing or authorized stations. This analysis only considers spacing, and assumes that the interfering stations are operating with the [reference facilities for the FM station's class](#). While helpful, the results shown below should not take the place of a thorough analysis of all options by a broadcast consulting engineer.

If interference is possible, the following table will contain:

- o Call Sign of the interfering station
- o Channel of that station
- o Channel relationships: Same channel OR First-adjacent channel OR Second-adjacent channel
- o Actual separation (in km)
- o Minimum Separation for no interference within the 60 dBu contour  
(based on reference facilities and flat terrain)

Channel 225				
WMGS 225	Same channel (cochannel)	114.1 km actual	143.0 km for no interference	