

TOP 50 TRANSMITTER SITE TEST

(Amended application with transmitter site location
within a Top-50 Spectrum Limited Market but
outside the Market Grid)

April 1, 2013

The proposed amendment site for FM translator application BNPFT-2003017AIC is located within the 39 km buffer zone of the Austin, Texas market, a Spectrum Limited Top 50 market.

Channel studies were conducted from the amendment application site to determine if any LPFM channels were available. This study assumes the dismissal of all pending Auction 83 translator applications. The LPFM Channel Studies ignored LPFM second adjacent and intermediate frequency protection requirements but otherwise applies all other LPFM spacing requirements.

The proposed amendment to BNPFT-20030317EFE does preclude an LPFM channel on Channel 300L1. However, the attached studies indicate there are multiple LPFM channels available at the amendment site.

Two channels were identified using the FCC LPFM Channel Finder Tool. A copy of that report is attached. Another study using V-Soft SEARCHFM Version 6.3.059 was able to identify one additional LPFM channel at the amendment site. A copy of that study is also attached.

**Audio Division**

(202)-418-2700

Low Power FM (LPFM) Channel Finder[FCC](#) > [MB](#) > [Audio Division](#) > [LPFM Channel Finder](#) [LPFM Info](#)[FCC site map](#)

Sun Mar 31 11:53:54 2013

EXCLUDES second-adjacent channel spacings
EXCLUDES intermediate frequency (I.F.) spacings

Input options:

Latitude, Longitude: 29° 41' 17", 97 41' 17"

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 231 ---- 94.1 MHz
Channel 232 ---- 94.3 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 232

Channel 231

KLEY-FM 231	Same channel (cochannel)	97.7 km actual	143.0 km for no interference
KLTR 231	Same channel (cochannel)	142.5 km actual	143.0 km for no interference

A simple test for potential interference is to tune a radio to the channel or frequency under consideration, while at the proposed transmitter site. If a station can be heard, you should expect that coverage from an LPFM station may be diminished. Interference to the LPFM station could occur at some future date should the listed FM station increase its facilities to the maximums permitted for the station's class.

AM Stations Within 3.2 km

Use this button to check for AM stations within 3.2 km [2 miles] of the coordinates specified above. If a *nondirectional* AM station appears within **0.8** km of these coordinates, or a *directional* AM station appears within **3.2** km, the LPFM applicant is responsible for measures to protect the AM station from changes in its operation caused by the LPFM antenna-supporting tower structure. See [47 CFR 73.1692](#). LPFM applicants should be aware that remediation may be costly if it becomes necessary to mitigate the impact on the AM station.

AM Stations within 3.2 km

'No records found' indicates that the coordinates are not within 3.2 km of an AM station.

Airports Within 8 km (5 Miles)

The tool below allows you to check for airports within 8 km of the proposed station's coordinates. If you get a FAIL message, or if your proposed tower or supporting structure will be greater than 200 feet (61 meters) at ANY location, then you MUST obtain clearance from the FAA using [FAA Form 7460-1](#), and the FAA-approved structure must be registered with the FCC via the [Antenna Structure Registration \(ASR\)](#) system.

The [FAA's Form 7460-1](#) and FCC antenna structure registration both require coordinates in the NAD83 coordinate system. To convert from NAD27 coordinates (used for broadcast station analyses) to NAD83 coordinates, you may use the [National Geodetic Survey's](#) conversion program at: <http://www.ngs.noaa.gov/cgi-bin/nadcon.prl>.

Convert 29° 41' 17", 97° 41' 17" to NAD83

Once you have obtained the converted coordinates, copy them down and enter them into the FCC's Wireless Telecommunications Bureau's

TOWAIR Query

If the proposed structure does not pass the TOWAIR test, you will need to request FAA clearance and register the antenna structure with the FCC once clearance is obtained from the FAA.

New LPFM Channel Finder Analysis?

NAD 27 Coordinates (degrees, minutes, seconds latitude and longitude)

FM Station Latitude

FM Station Longitude

29

41

17

97

41

17

☒ Results only☐ Show List of Stations Considered**Special search options:**

Second adjacent channels: An LPFM application must satisfy minimum distance separation requirements to stations operating on and applications proposing operations on second-adjacent channels. The *Local Community Radio Act* authorizes the Commission to waive the second-adjacent channel protection requirement and the Commission has under consideration proposed waiver standards.

☒ Consider ☐ Don't consider *Second-adjacent channel spacings*

Intermediate Frequency (I.F.) channels: An LPFM application must satisfy minimum distance separation requirements to stations operating on and applications proposing operations on intermediate frequency (IF) channels. The Commission has under consideration a proposal to eliminate this requirement for LPFM applications proposing operations at less than 100 watts effective radiated power.

☒ Consider ☐ Don't consider *I.F. channel spacings*

Submit the Data

Clear the Form

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If you would like more information pertaining to the Media Bureau, please call: (202) 418-7200.

Federal Communications Commission
445 12th Street SW
Washington, DC 20554
[More FCC Contact Information...](#)

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TOP 50 TRANSMITTER SITE TEST
Luling, TX Channel 260 LPFM Channel Study
Proposed Amendment to BNPFT-20030317AIC

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REFERENCE                                     DISPLAY DATES
29 41 17.2 N.                               CLASS = L1 Int = L1      DATA   03-30-13
97 40 39.0 W.                               Current Spacings to 3rd Adj.  SEARCH 03-31-13
----- Channel 260 - 99.9 MHz -----
Call      Channel  Location      Azi      Dist      FCC      Margin
      Lat.      Lng.      Ant      Power      HAAT
-----
KTXM      LIC-N 260A  Hallettsville TX 109.1    76.2    66.5    9.7
29 27 45.0 96 56 04.0 NCN      3.400 kW 106 M
      Kremling Enterprises, Inc. BLH19980615KC
641299 APP 260D San Marcos TX 326.0    35.7    25.5    10.2
29 57 15.0 97 53 05.0 C      0.050 kW 47 M
      Gwendolynn Tellez BNPFT20030317BCV
AL2105 VAC 261A Meyersville TX 158.3    92.1    55.5    36.6
28 54 58.0 97 19 37.0      0.000 kW 100 M
      Charles Crawford RM11263
633772 APP-D 260D San Antonio TX 268.0    75.0    31.5    43.5
29 39 43.0 98 27 05.0 DC      0.062 kW 133 M
      Mary V. Guthrie BNPFT20030317ASJ
K259AJ LIC 259D Austin TX 350.5    71.3    27.5    43.8
30 19 20.0 97 48 03.0 C      0.215 kW 271 M
      Emmis Austin Radio Broadca BLFT20110607ABI
K261DW LIC-D 261D Austin TX 350.6    71.4    27.5    43.9
30 19 23.0 97 47 58.0 DV      0.099 kW 0 M
      Jonah Creek Media BLFT20121128ABK
K261DW CP 261D Austin TX 350.6    71.4    27.5    43.9
30 19 23.0 97 47 58.0 C      0.099 kW 0 M
      Jonah Creek Media BPFT20130219ADJ
WACO-FM LIC-N 260C Waco TX 10.8    186.2    129.5    56.7
31 20 15.0 97 18 37.0 NCN      90.000 kW 506 M
      Capstar Tx Llc BLH19901116KD
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