

# KFXY-LP Second-adjacent Waiver Exhibit

Application requests a waiver for a location which is short-spaced on a second-adjacent channel with BMLH-20040707ABN, callsign KMVP-FM, class C, status LIC, Phoenix, AZ, channel 254, facility ID 52514[3]

| Undesired-to-Desired Ratio Method |                               |
|-----------------------------------|-------------------------------|
| BMLH-20040707ABN f(50,50) signal  | 78.5 dBu [1][2]               |
| Second-adjacent protection        | + 40 dB                       |
| Interference-zone boundary        | 118.5 dBu                     |
| Distance to 118.5 dBu             | 24.1 m (ERP <= 0.0084 kW) [1] |

The worst-case interference zone is a sphere of radius 24.1 meters, shown projected on the ground in the following map. No habitable buildings nor major roadways exist within the potential interference area thus no population will be subject to interference from the proposed station according to the undesired-to-desired ratio method.



[1] tvfmfs() Fortran subroutine as distributed by the FCC. At distances less than or equal to 1.5 km, tvfmfs() uses the free-space method.

[2] FCC HAAT Calculator web page,  
[http://transition.fcc.gov/mb/audio/bickel/haat\\_calculator.html](http://transition.fcc.gov/mb/audio/bickel/haat_calculator.html)

[3] CDBS database downloaded 2018-01-17 04:01:00