

Request for Waiver of 2nd Adjacent Channel Spacing Requirement

The applicant proposes to operate on channel 96.7 MHz – channel 244. Two licensed broadcast facilities are short spaced with regard to the LPFM rules:

- WHUR – channel 246
- WASH – channel 242

With regard to both channels have performed a signal ratio analysis consistent with the separation requirements under §74.1204 for each station.

With regard to WHUR, the calculated F (50, 50) field strength is 94.925 dBu at the proposed site, Using the 40 dB ratio specified under §74.1204 (a) (4) the pertinent interference contour of the proposed LPFM is 134.925 dBu.

With regard to WASH, the calculated F (50, 50) field strength is 95.088 dBu at the proposed site, Using the 40 dB ratio specified under §74.1204 (a) (4) the pertinent interference contour of the proposed LPFM is 135.088 dBu.

Operating at an ERP of 8 watts, based on the HAAT of the antenna at 102 meters, the proposed LPFM signal strength at 135.088 dBu will extend a maximum of 3 meters from the transmitting antenna. The antenna will be mounted a minimum of 4 meters above an office/residential building and will be protected fully in compliance with the provisions of §74.1204(c).

Arlington Independent LPFM Proposed Tower Site

Tower Villas
3800 Fairfax Drive
Arlington, VA 22203

Maximum power: 8.0 W

