

K47LG-D Point Pulley Displacement and Interference Considerations

Call Sign: K47LG-D

Station Type: LPTV Translator

Licensee: KIRO-TV, Inc.

File Number: BLDTT-20090529AMN

Facility ID: 6381

Location: Point Pulley, WA

Current Channel: 47

Proposed Channel: 18

Displacement Causes

The reason for displacement is the location of the current channel of the LPTV Translator outside the spectrum that will be allocated to broadcast television following completion of the Spectrum Repack associated with the recent Incentive Auction.

Proposed Facility

The proposed replacement for the facility being displaced will remain at its existing location and operate on Channel 18 at 2.2 kW ERP using a directional antenna having a similar azimuth pattern to that of the current antenna and oriented toward the same heading of 90 degrees.

Interference Analysis

An interference analysis was conducted, applying the FCC TVStudy program version 2.2.5. The Study Cell Size used was 1.0 km, and the Profile Point Spacing used was 1.0 km. Use of those parameters is requested in any confirming studies. A copy of the results obtained is included among the attachments to the current application.

The study results show no impermissible interference to or from any stations of other licensees – both before and after the Spectrum Repack transition. Thus, it should be possible for the K47LG-D LPTV Translator licensed to Point Pulley, WA, to be transitioned to its new channel at any time that is convenient for the licensee.

A TVStudy analysis did show potential impermissible interference to and from a pair of themselves-mutually-exclusive applications for displacement of LPTV stations in Seattle, WA. The two LPTV stations both seeking displacement to Channel 18 are KRUM-LD (ARN 0000052230) and KUSE-LD (ARN 0000052542). Since neither LPTV is a Digital Replacement Translator (DRT), which would receive priority treatment in the current Displacement Filing Window, and since displacement to Channel 18 is being sought for two KIRO DRT stations entitled to priority treatment, the two cited ARNs were excluded from the analysis provided in the TVStudy output accompanying this application.

In addition to the displacement to Channel 18 sought in this application for the K47LG-D translator licensed to Point Pulley, WA, in File Number BLDTT-20090529AMN, displacement to Channel 18 of three other KIRO translators – two of them DRTs and one a conventional translator – also is being sought through contemporaneously-filed applications. The two DRTs are licensed to Issaquah, WA, in File

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Number BLCDT-20100630BVX and to Olympia, WA, in File Number BLCDT-20100908ABY. The other conventional translator is K49IX-D, licensed to Puyallup, WA, in File Number BLDTT20090610ACB. Each of the group of four KIRO translators is predicted to cause interference to the other three – in certain cases, greater than the normally-permissible level of 2.0 percent. To the extent that such impermissible interference to a translator is from one of the other three members of the KIRO group of four translators for which Channel 18 displacement applications are being filed contemporaneously, the applicant for displacement, KIRO-TV Inc., agrees to accept the level of interference exceeding the limit of permissible interference coming from its own translators.