

### **Second-Adjacent Channel Protection**

The proposed facility is located within the protected service contour of third-adjacent channel stations KDRK-FM (229C, FCC ID 11242), Spokane, Washington and KHTQ (233C, FCC ID 49244), Hayden, Idaho which are protected in accordance with §74.1204(d) at a +40 dB level. The proposed translator antenna will be mounted 65 meters above ground on an existing 80 meter tower.

KDRK-FM is located 35.74 kilometers distant with a calculated field of 85.6 dBu at the proposed site based on an ERP of 60 KW and height above average terrain along a 294° radial from KDRK-FM to the proposed site of 858 meters. The translator would require a field intensity of 125.6 dBu to cause interference to the KDRK-FM signal. There is zero population inside the proposed f(50,10) 125.6 dBu contour.

KHTQ is located 41.91 kilometers distant with a calculated field of 83.1 dBu at the proposed site based on an ERP of 83 KW and height above average terrain along a 276° radial from KHTQ to the proposed site of 775 meters. The translator would require a field intensity of 123.1 dBu to cause interference to the KHTQ signal. There is zero population inside the proposed f(50,10) 123.1 dBu contour.

Therefore, as there is zero population inside these predicted interference contours the proposed operation is in compliance with §74.1204(d).