

Second-Adjacent Channel Protection

The proposed facility is located within the protected service contour of third-adjacent channel stations KPND (237C, FCC ID 11242), Deer Park, Washington and KIIX-FM (241C, FCC ID 49244), Opportunity, Washington which are protected in accordance with §74.1204(d) at a +40 dB level. The proposed translator antenna will be mounted 63 meters above ground on an existing 80-meter tower.

KPND is located 59.9 kilometers distant with a calculated field of 73.3 dBu at the proposed site based on an ERP of 56 KW and height above average terrain along a 225° radial from KPND to the proposed site of 781 meters. The translator would require a field intensity of 113.3 dBu to cause interference to the KPND signal. There is zero population inside the proposed f(50,10) 113.3 dBu contour.

KIIX-FM is located 35.7 kilometers distant with a calculated field of 85.5 dBu at the proposed site based on an ERP of 60 KW and height above average terrain along a 293° radial from KIIX-FM to the proposed site of 852 meters. The translator would require a field intensity of 125.5 dBu to cause interference to the KIIX-FM signal. There is zero population inside the proposed f(50,10) 125.5 dBu contour.

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