

Exhibit 13
K248CN, Ariel, WA, Minor Modification
Overlap Requirements
Washington State University

Using the Commission's online HAAT calculator, a maximum HAAT was found to be 590.8 m on the 300 degree radial, allowing a maximum ERP of 0.010 kW as outlined in 47 CFR §74.1235(b)(2). The proposed facility will use an ERP of 0.005 kW. This facility is 252 km from the common border between the United States and Canada and thus within the Canadian border zone of 320 km, but does not interfere with any Canadian facilities as shown in *Table 13-1*.

Table 13-1 also shows that the proposed facility's 100 dB μ (50,10) contour is fully contained within the 60 dB μ contours of two second-adjacent facilities:

1. KYCH, Channel 246C1
2. KLVP, Channel 250C1

Between these two stations, KLVP has the lowest field strength at the proposed site of K248CN, with a calculated level of 70.6 dB μ . Thus, the interfering contour for our proposed facility is 110.6 dB μ . In free space, this contour is 46 m from the transmitting antenna, and therefore never reaches ground level from the antenna height of 49 m and is further attenuated by the elevation pattern of the antenna. Thus, the proposed facility will not generate an interfering signal over population, satisfying the requirement of §74.1204(d). Further, the closest structure with population is located 0.4 km to the northwest, nearly 10 times the distance of the 110.6dB μ contour if it did reach the ground.

There are no prohibited IF relationships. The applicant believes that the proposed facility meets all of the pertinent requirements of 47 CFR §74.1204.

K248CN Minor Modification
Washington State University

REFERENCE
46 00 59.0 N.
122 46 28.0 W.

CH# 248D - 97.5 MHz, Pwr= 0.005 kW, HAAT= 441.8 M, COR= 653 M
Average Protected F(50-50)= 9.91 km
Omni-directional

DISPLAY DATES
DATA 12-08-15
SEARCH 12-08-15

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
248D Ariel	K248CN	CP WA	_C_	0.0 0.0	0.00 BNPFT20130823ACH	46 00 59.0 122 46 28.0	0.002 442	27.3 653	7.1 Washington State Universit	-37.1*	-41.8*
246C Portland	KYCH-FM	LIC OR	_CY	173.9 354.0	58.97 BLH19900821KA	45 29 20.0 122 41 40.0	100.000 386	11.8 480	81.0 Entercom License, Llc	36.9	-22.2*
250C1 Aloha	KLVP	LIC OR	_C_	173.9 354.0	58.97 BLED20150929ACF	45 29 20.0 122 41 40.0	54.000 387	9.9 480	74.5 Educational Media Foundati	38.7	-15.7*
249C Oakville	KOMO-FM	LIC WA	DCX	342.7 162.3	151.14 BLH20120927AEZ	47 18 46.0 123 22 15.0	69.000 701	141.6 992	96.8 South Sound Broadcasting,	-0.7	39.2
248L1 Vancouver	NEW	CP WA	_	158.3 338.4	42.55 BMPL20140623AAH	45 39 38.2 122 34 18.0	0.100 30			11.5	1.7
248D Newberg	K248BS	LIC OR	_C_	192.9 12.7	75.43 BLFT20150706AAO	45 21 17.0 122 59 22.0	0.065	61.9 486	19.0 Educational Media Foundati	2.9	15.9
247C Tacoma	KIRO-FM	LIC WA	_CY	19.9 200.5	176.23 BLH19891018KC	47 30 14.0 121 58 29.0	55.000 729	136.1 956	92.6 Bonneville International c	31.0	70.3
248A Manzanita	KHKF	CP OR	_CX	247.1 66.3	93.28 BNPH20151009AIU	45 41 03.0 123 52 50.0	0.110 -47	19.1 105	5.8 Edgar Eaton	63.7	48.2

Terrain database is USGS 03 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.