

Minor Modification of Licensed Facility

This minor modification application exhibit demonstrates compliance with all engineering standards and requirements specified in the applicable FCC rules and regulations. This application proposes an increase in the ERP and a correction in the geographical coordinates to match the tower registration information as is indicated below:

	Licensed	Minor Mod
Channel / Class	240D	240D
ASRN	1207367	1207367
Geographical Coordinates	45 30 57.4 122 44 03.4	45 30 57.8 122 44 03.1
Site AMSL	323.0 m	322.8 m
Tower AGL	302.0 m	301.7 m
COR AGL	106.0 m	106.0 m
COR AMSL	429.0 m	428.8 m
HAAT	338.9 m	317.1 m
ERP	0.019 kW (H&V, non-da)	0.080 kW (H&V, non-da)

GLOBE terrain data

Tabulation of HAAT / ERP / distance to 60 dBu contour

CH 240 45 30 57.8 / 122 44 03.1 0.080 kW ERP (H&V, non-da) 428.8 m COR AMSL 317.1 m HAAT

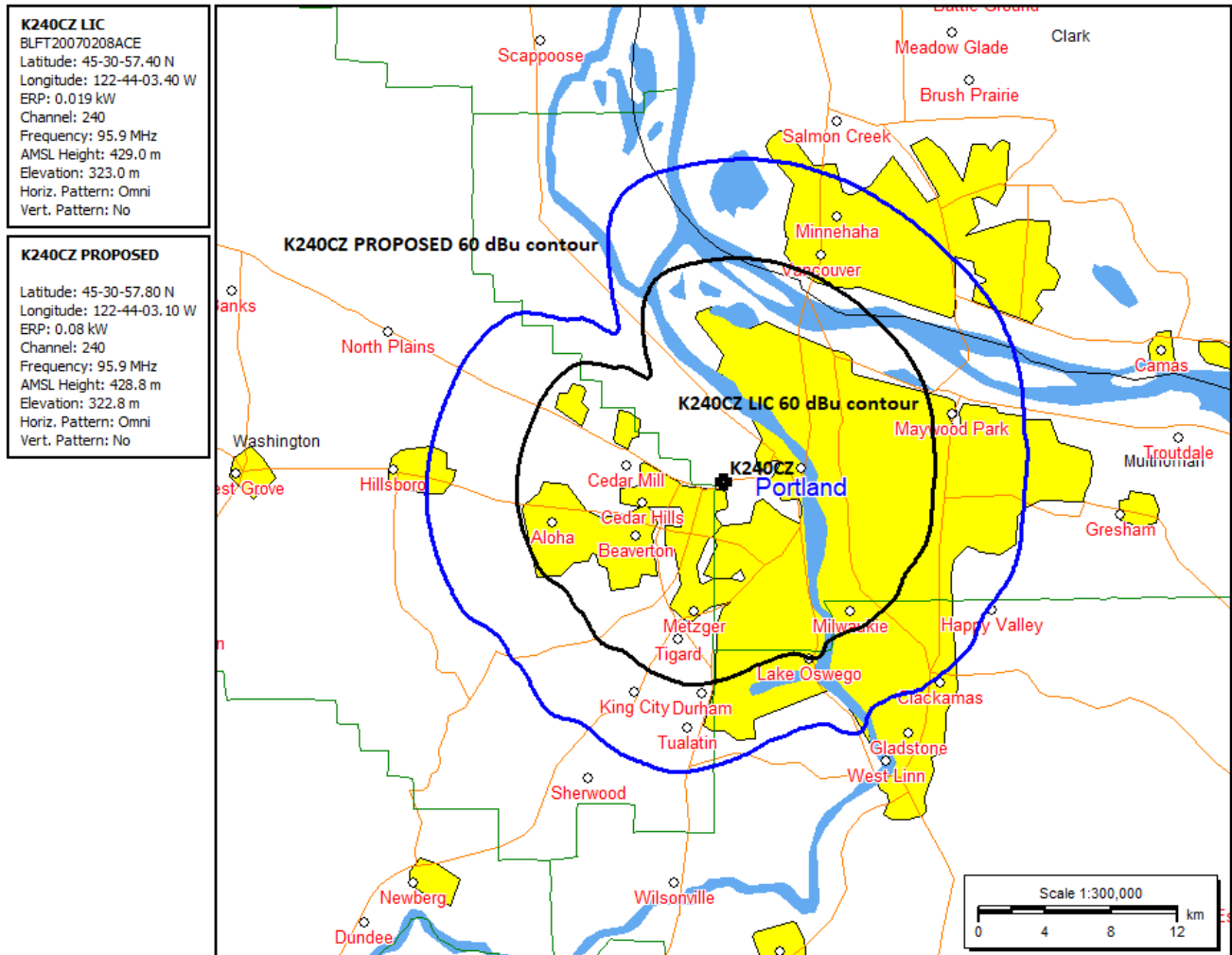
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	40.9	387.9	0.0800	-10.97	1.000	19.29
010	32.9	395.9	0.0800	-10.97	1.000	19.48
020	32.9	395.9	0.0800	-10.97	1.000	19.48
030	39.6	389.2	0.0800	-10.97	1.000	19.32
040	43.7	385.1	0.0800	-10.97	1.000	19.22
050	41.3	387.5	0.0800	-10.97	1.000	19.28
060	45.2	383.6	0.0800	-10.97	1.000	19.19
070	61.2	367.6	0.0800	-10.97	1.000	18.80
080	85.4	343.4	0.0800	-10.97	1.000	18.21
090	92.8	336.0	0.0800	-10.97	1.000	18.01
100	93.0	335.8	0.0800	-10.97	1.000	18.01
110	98.2	330.6	0.0800	-10.97	1.000	17.87
120	111.9	316.9	0.0800	-10.97	1.000	17.50
130	117.3	311.5	0.0800	-10.97	1.000	17.34
140	146.1	282.7	0.0800	-10.97	1.000	16.45
150	137.9	290.9	0.0800	-10.97	1.000	16.72
160	174.3	254.5	0.0800	-10.97	1.000	15.50
170	169.9	258.9	0.0800	-10.97	1.000	15.65
180	137.3	291.5	0.0800	-10.97	1.000	16.74
190	108.6	320.2	0.0800	-10.97	1.000	17.59
200	114.7	314.1	0.0800	-10.97	1.000	17.41
210	137.4	291.4	0.0800	-10.97	1.000	16.73
220	124.4	304.4	0.0800	-10.97	1.000	17.13
230	144.4	284.4	0.0800	-10.97	1.000	16.51
240	132.1	296.7	0.0800	-10.97	1.000	16.90
250	106.9	321.9	0.0800	-10.97	1.000	17.64
260	99.2	329.6	0.0800	-10.97	1.000	17.85
270	98.8	330.0	0.0800	-10.97	1.000	17.86
280	107.5	321.3	0.0800	-10.97	1.000	17.62
290	118.1	310.7	0.0800	-10.97	1.000	17.32
300	130.4	298.4	0.0800	-10.97	1.000	16.95
310	164.5	264.3	0.0800	-10.97	1.000	15.84
320	261.4	167.4	0.0800	-10.97	1.000	12.64
330	236.2	192.6	0.0800	-10.97	1.000	13.51
340	87.3	341.5	0.0800	-10.97	1.000	18.16
350	52.8	376.0	0.0800	-10.97	1.000	19.00

GLOBE terrain data

(yellow highlighted values establish average HAAT)

60 dBu contour coverage map

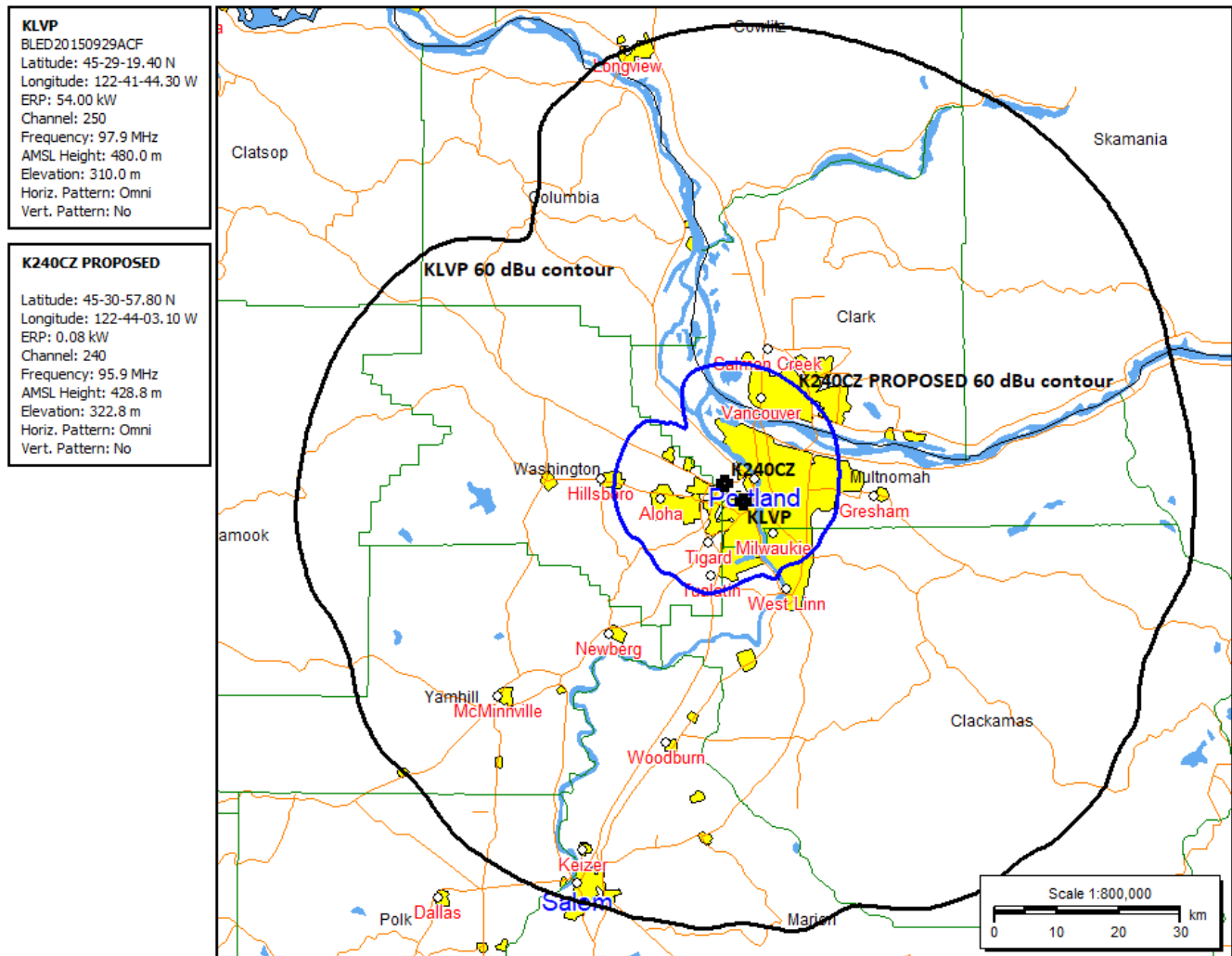
The proposed 60 dBu contour will continue to have overlap with the licensed 60 dBu contour.



GLOBE terrain data

Fill-in Translator

K240CZ will operate as a fill-in of KLVP, CH 250C1, Aloha, OR (Facility ID 12501). The below map demonstrates that the proposed 60 dBu contour of K240CZ will be completely encompassed within the 60 dBu contour of KLVP and thus meets the required criteria for fill-in status.



GLOBE terrain data

Interference Study

CH 240 45 30 57.8 / 122 44 03.1 0.080 kW ERP (H&V, non-da) 428.8 m COR AMSL 317.1 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference station:

240D	K240CZ	LIC	207.7	0.01	45 30 57.40	0.019				
Tigard		OR	27.7	BLFT20070208ACE	122 44 03.40	339	429	Educational Media Foundation		

Co-channel, 1st, 2nd, & 3rd adjacent channel relationships:

238C0	KBFF	LIC	135.3	4.27	45 29 19.40	100.000	7.7	61.5	-20.5	-57.9
Portland		OR	315.3	BLH20150819AAR	122 41 44.30	346	440	Alpha Media Licensee LLC		
239D	K239BP	LIC	203.7	106.24	44 38 24.40	0.016	19.0	12.8	69.9	67.9
Flynn		OR	23.4	BLFT20141031ADT	123 16 29.30		460	Community Media Assistance		
240A	KTIL-FM	LIC	267.0	92.93	45 27 58.40	0.450	85.9	29.9	-10.7	5.1
Bay City		OR	86.1	BMLH20171207ABV	123 55 15.50	360	461	Alexandra Communications,		
240C2	KRSX	LIC	79.6	127.96	45 42 42.40	2.200	130.7	54.1	-21.0	13.6
Goldendale		WA	260.8	BLH20160223ABY	121 07 03.20	601	987	Gorge Country Media, Inc.		
240D	K240DA	LIC	70.3	69.96	45 43 26.40	0.090	9.1	2.3	43.2	0.6
Stevenson		WA	251.0	BLFT20070406ABP	121 53 15.20	-175	326	Claudio Lopez		
241C0	KZEL-FM	LIC	190.2	171.02	44 00 03.40	100.000	119.4	80.4	34.0	64.5
Eugene		OR	10.0	BMLH20120808ABF	123 06 49.30	333	525	Cumulus Licensing LLC		
241C	KZEL-FM	RSV-A	187.5	180.51	43 54 18.45	100.000	143.2	97.2	19.7	57.4
Eugene		OR	7.3		123 01 37.29	600	895	From CDBS		
241C	KXXO	LIC	349.3	164.92	46 58 22.40	37.000	126.2	85.8	19.8	50.3
Olympia		WA	169.0	BLH20150828ABN	123 08 22.50	717	917	3 Cities, Inc.		
242C3	KKWA	LIC	135.3	4.27	45 29 19.40	1.400	2.2	28.8	-15.0	-25.1
West Linn		OR	315.3	BLH20150828ABO	122 41 44.30	386	480	Hope Media Group		
243A	KCYS	LIC	297.9	105.56	45 57 10.40	6.000	2.6	26.4	85.7	77.0
Seaside		OR	117.0	BLH20121012ADF	123 56 18.50	100	257	Jacobs Radio Programming,		

I.F. relationships:

None

International Compliance - Canada

K240CZ is located 307.3 km from the US - Canadian border. K240CZ's proposed 34 dBU interference contour will not reach the Canadian border.

GLOBE terrain database

Interference Study

K240CZ as proposed is located within the protected contour of the following second adjacent facilities:

KBFF (LIC), CH 238C0, Portland, OR

KBFF signal strength at the K240CZ site	109.3 dBu
K240CZ interference contour	149.3 dBu
Distance to K240CZ interference contour	2.1 meters

KKWA (LIC), CH 242C3, West Linn, OR

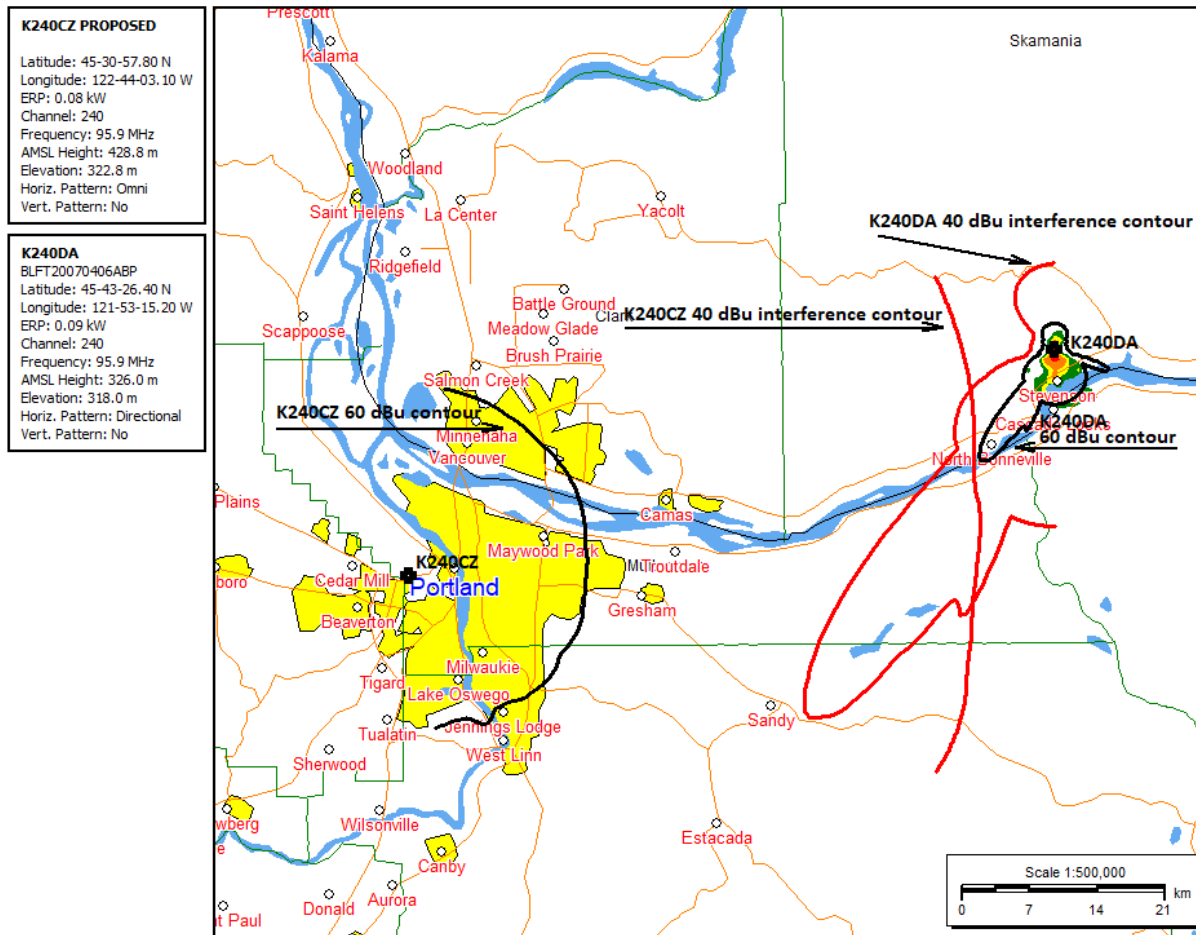
KKWA signal strength at the K240CZ site	91.9 dBu
K240CZ interference contour	131.9 dBu
Distance to K240CZ interference contour	16.0 meters

K240CZ's antenna has a COR AGL height of 106.0 meters. The interference contour distance to either KBFF (2.1 m) or KKWA (16.0 m) will not reach the ground with a clearance of 103.9 m to KBFF and 90.0 m to KKWA. Furthermore, as is demonstrated on the below map, there are no occupied structures within the clearance distance of K240CZ's interference contour to KBFF and KKWA, therefore, based on the showing of no population within the area of predicted interference a waiver of Section 74.1204(d) is respectfully requested.



Interference Study

The below map demonstrates the lack of prohibited overlap of K240CZ as proposed to K240DA.



GLOBE terrain database

Environment Impact & RFR Compliance

K240CZ is located at an established communications site that is in compliance with all environmental impact requirements.

K240CZ as proposed will operate with an ERP of 0.080 kW (H&V, non-da) at an antenna COR AGL height of 106.0 meters. For a worse case estimation at 2 meters above ground level the RFR is no more than 0.2% of the general population/uncontrolled MPE limit. There are other broadcast facilities at the site.

Facilities that contribute no more than 5% of the general population/uncontrolled MPE limit at the site comply with the requirements of OET Bulletin No. 65 with no further study, therefore K240CZ is in compliance with all environmental and RFR requirements.

The site has restricted access to only authorized personnel. The applicant certifies that in cooperation with other users of the site all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations.