

October 2005
KNDD(FM) Channel 299C Seattle, WA
Allocation Study

The attached spacing study shows that the proposed operation meets all domestic co-channel and adjacent channel spacing requirements for Class C stations as prescribed in §73.207 of the Commission's Rules.¹

CKCL-FM Channel 298A at Chilliwack, British Columbia, Canada

The proposed operation is short-spaced to Canadian station CKCL-FM, which operates on Channel 298A at Chilliwack, British Columbia. Under the terms of the Working Arrangement for the Allotment and Assignment of FM Broadcasting Channels Under the Agreement Between the Government of Canada and the Government of the United States of America Relating to the FM Broadcasting Service, as amended in 1997 ("Working Arrangement"), the required first-adjacent-channel Class C to Class A spacing is 182 kilometers, whereas the distance between the KNDD site and the CKCL-FM site is 179 kilometers. The attached allocation study map demonstrates that the proposed KNDD 52 dBu F(50,10) contour will not overlap the CKCL-FM 54 dBu F(50,50) contour at any location over Canadian land areas. Per the terms of Section 5.2.2.1 of the Working Arrangement, the distance to the CKCL-FM 54 dBu F(50,50) protected contour has been based on maximum allowable parameters, out to a maximum distance of 38 kilometers.

CILS-FM Channel 300A1 at Victoria, British Columbia, Canada

The proposed operation is short-spaced to Canadian station CILS-FM, which operates on Channel 300A1 at Victoria, British Columbia. Under the terms of the Working Arrangement, the required first-adjacent-channel Class C to Class A1 spacing is 162 kilometers, whereas the distance between the KNDD site and the CILS-FM site is 144 kilometers. Channel 299C at Seattle (the

¹ KNDD is presently authorized under Section 73.215 of the Commission's Rules. At the time KNDD operation at this transmitter site was first proposed, that application was short-spaced to a pending proposal in MM Docket No. 93-175 to allot Channel 300A at Pateros, Washington. The Pateros proposal was withdrawn by the proponent, and dismissed on March 8, 1994, just two days prior to the grant of the original KNDD construction permit at this site.

underlying allotment for KNDD) is included in the Working Arrangement as an unlimited (albeit short-spaced) allotment. CILS-FM 300A1 Victoria did not exist in 1993 when KNDD was first proposed to be relocated to the West Tiger Mountain transmitter site. The Victoria allotment was the result of an application filed with the CRTC in 2004 and approved on June 14, 2005 by CRTC Broadcasting Decision 2005-243. Since KNDD does not operate with any negotiated power restriction towards Victoria, it is believed that the station is entitled to operate with maximum Class C facilities in the direction of Victoria.

Therefore, the proposed KNDD operation is believed to be in full compliance with domestic and international allotment requirements.

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SEARCH PARAMETERS FM Database Date: 041025

Channel: 299C 107.7 MHz Page 1
 Latitude: 47 30 14
 Longitude: 121 58 29
 Safety Zone: 32 km
 Job Title: KNDD 299C SEATTLE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)	
	VICTORIA BC	-	297B 107.3	0.000 0.0	48-25-06 123-30-35	312.2	153.23 28.23	125 CLEAR	
NEW-T APP	LACEY WA	BNPFT-030313BKA	297D 107.3	0.140 171.0	47-03-44 122-49-49	233.0	81.24 0.00	0 TRANS	
NEW-T APP	LISABEULA WA	BNPFT-030317ABX	297D 107.3	0.050 125.0	47-26-06 122-27-54	258.4	37.75 0.00	0 TRANS	
NEW-T APP	MERCER ISLAND WA	BNPFT-030311ARI	297D 107.3	0.010 224.0	47-36-57 122-18-26	296.6	27.95 0.00	0 TRANS	
NEW-T APP	OLYMPIA WA	BNPFT-030317HJY	297D 107.3	0.250 134.0	47-00-58 122-54-57	233.0	89.52 0.00	0 TRANS	
NEW-T APP	OLYMPIA WA	BNPFT-030314BLN	297D 107.3	0.250 70.0	46-58-30 122-48-40	227.3	86.42 0.00	0 TRANS	
NEW-T APP	ORTING WA	BNPFT-030311ARK	297D 107.3	0.010 517.0	47-02-52 122-08-33	194.1	52.27 0.00	0 TRANS	
CKCLFM	CHILLIWACK BC	-	298A 107.5	0.640 210.1	49-06-36 121-50-47	3.0	178.85 -3.15	182 SHORT	
NOTE:	SEE TEXT FOR DISCUSSION								
	GIBSONS BC	-	298B 107.5	0.000 0.0	49-20-41 123-23-07	333.6	229.78 20.78	209 CLEAR	
RSV	BANKS OR	RM-8732	298C1 107.5	0.000 0.0	45-31-22 122-45-07	195.4	228.16 19.16	209 CLEAR	
KVMX LIC	BANKS OR	BLH-990305KD	298C1 107.5	37.000 440.0	45-30-58 122-43-59	195.0	228.50 19.50	209 CLEAR	
KVMX CP	BANKS OR	BPH-010122AEH	298C0 107.5	100.000 441.0	45-30-58 122-43-59	195.0	228.50 8.50	220 CLOSE	
NEW-T APP	HOQUIAM WA	BNPFT-030312BDP	298D 107.5	0.250 32.0	46-58-22 123-51-10	248.1	153.98 0.00	0 TRANS	
NEW-T APP	OAKVILLE WA	BNPFT-030314AIF	298D 107.5	0.005 490.0	46-53-30 123-24-59	238.5	128.71 0.00	0 TRANS	

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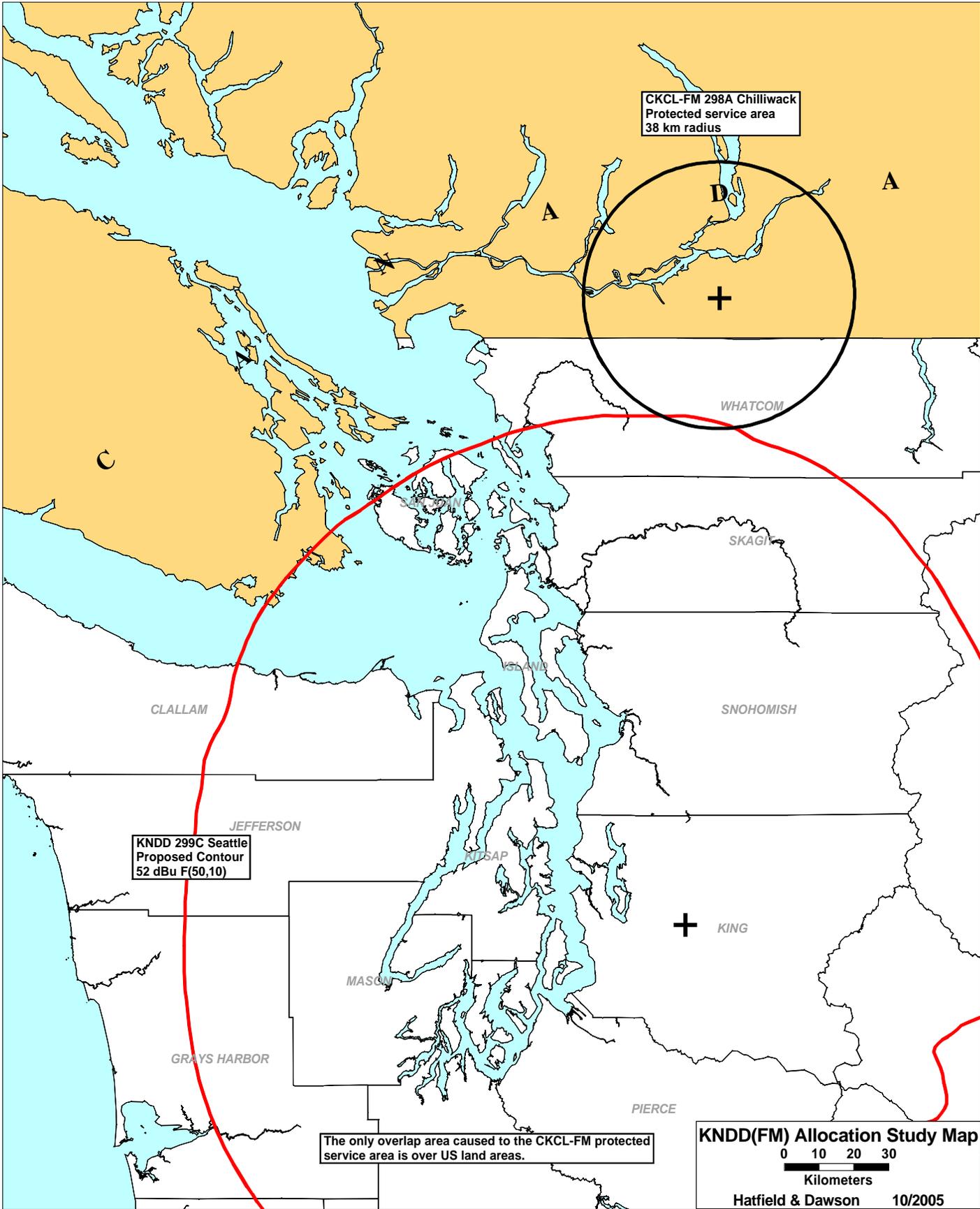
Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)	
NEW-T APP	OCEAN SHORES WA	BNPFT-030312BCZ	298D 107.5	0.250 37.0	47-00-32 124-09-28	252.3	174.17	0	
	KEREMEOS BC	-	299A 107.7	0.000 0.0	49-12-10 119-45-40	40.1	250.21	247	
							3.21	CLOSE	
K299AD LIC	HOOD RIVER OR	BLFT-940524TE	299D 107.7	0.010 630.0	45-43-23 121-26-42	168.3	202.08	0	
							0.00	TRANS	
K299AY CP	BREWSTER WA	BNPFT-030827AEA	299D 107.7	0.010 1337.0	48-00-52 119-59-03	68.4	159.67	0	
							0.00	TRANS	
KNDD LIC	SEATTLE WA	BLH-980508KA	299C 107.7	58.000 714.0	47-30-14 121-58-29	0.0	0.00	290	
						SS	-290.00	SHORT	
KNDDaux LIC	SEATTLE WA	BXLH-000525AAN	299C 107.7	50.000 388.0	47-32-35 122-06-25	293.7	10.87	0	
							0.00	AUX	
	VANCOUVER BC	-	300B 107.9	0.000 0.0	49-15-00 123-06-00	337.2	211.30	209	
							2.30	CLOSE	
	VANCOUVER BC	RM-	300B 107.9	0.000 0.0	49-15-00 123-06-00	337.2	211.30	209	
							2.30	CLOSE	
CILSFM	VICTORIA BC	-	300A1 107.9	0.000 0.0	48-25-27 123-20-05	315.8	144.17	162	
							-17.83	SHORT	
NOTE:	SEE TEXT FOR DISCUSSION								
ADD	GOLDENDALE WA	RM-ajr322	300C2 107.9	0.000 0.0	45-40-53 120-54-30	157.7	218.45	188	
							30.45	CLEAR	
NEW-T APP	MANSON WA	BNPFT-030314AGO	300D 107.9	0.007 522.0	47-51-15 120-10-00	73.3	141.24	0	
							0.00	TRANS	
NEW-T APP	ROCK ISLAND WA	BNPFT-030314BLD	300D 107.9	0.250 -34.0	47-23-50 120-16-25	94.7	128.84	0	
							0.00	TRANS	
VAC	SOUTH BEND WA	RM-9369	300A 107.9	0.000 0.0	46-38-19 123-49-54	236.3	170.73	165	
							5.73	CLOSE	
K300AP CP	SUNNYSIDE WA	BNPFT-030811AAG	300D 107.9	0.050 223.0	46-18-43 120-04-53	132.0	195.87	0	
							0.00	TRANS	

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NEW-T APP	WATERVILLE WA	BNPFT-030317ABA	300D 107.9	0.003 DA 863.0	47-48-24 120-02-05	76.2	149.58 0.00	0 TRANS
NEW-T APP	WENATCHEE WA	BNPFT-030317JNZ	300D 107.9	0.007 525.0	47-29-37 120-19-14	89.9	124.64 0.00	0 TRANS
NEW-T APP	WENATCHEE WA	BNPFT-030314BNU	300D 107.9	0.002 782.0	47-30-33 120-14-22	89.1	130.73 0.00	0 TRANS
NEW-T APP	WENATCHEE WA	BNPFT-030317JRF	300D 107.9	0.004 DA 750.0	47-28-44 120-12-49	90.6	132.74 0.00	0 TRANS

44444 END OF FM SPACING STUDY FOR CHANNEL 299 44444



CKCL-FM 298A Chilliwack
Protected service area
38 km radius

KNDD 299C Seattle
Proposed Contour
52 dBu F(50,10)

The only overlap area caused to the CKCL-FM protected service area is over US land areas.

KNDD(FM) Allocation Study Map
0 10 20 30
Kilometers
Hatfield & Dawson 10/2005