

**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.<sup>1</sup>

**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

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<sup>1</sup> 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 The Pateros proposal was withdrawn by the proponent, and dismissed on March 8, 1994, just two days prior to the grant of the original KNDD construction permit at this site.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		297B	0.000	48-25-06	312.2	153.23	125
	BC -		107.3	0.0	123-30-35		28.23	CLEAR
NEW-T	LACEY		297D	0.140	47-03-44	233.0	81.24	0
APP	WA BNPFT-030313BKA		107.3	171.0	122-49-49		0.00	TRANS
NEW-T	LISABEULA		297D	0.050	47-26-06	258.4	37.75	0
APP	WA BNPFT-030317ABX		107.3	125.0	122-27-54		0.00	TRANS
NEW-T	MERCER ISLAND		297D	0.010	47-36-57	296.6	27.95	0
APP	WA BNPFT-030311ARI		107.3	224.0	122-18-26		0.00	TRANS
NEW-T	OLYMPIA		297D	0.250	47-00-58	233.0	89.52	0
APP	WA BNPFT-030317HJY		107.3	134.0	122-54-57		0.00	TRANS
NEW-T	OLYMPIA		297D	0.250	46-58-30	227.3	86.42	0
APP	WA BNPFT-030314BLN		107.3	70.0	122-48-40		0.00	TRANS
NEW-T	ORTING		297D	0.010	47-02-52	194.1	52.27	0
APP	WA BNPFT-030311ARK		107.3	517.0	122-08-33		0.00	TRANS
CKCLFM	CHILLIWACK		298A	0.640	49-06-36	3.0	178.85	182
	BC -		107.5	210.1	121-50-47		-3.15	SHORT
NOTE:	SEE TEXT FOR DISCUSSION							
	GIBSONS		298B	0.000	49-20-41	333.6	229.78	209
	BC -		107.5	0.0	123-23-07		20.78	CLEAR
RSV	BANKS		298C1	0.000	45-31-22	195.4	228.16	209
	OR RM-8732		107.5	0.0	122-45-07		19.16	CLEAR
KVMX	BANKS		298C1	37.000	45-30-58	195.0	228.50	209
LIC	OR BLH-990305KD		107.5	440.0	122-43-59		19.50	CLEAR
KVMX	BANKS		298C0	100.000	45-30-58	195.0	228.50	220
CP	OR BPH-010122AEH		107.5	441.0	122-43-59		8.50	CLOSE
NEW-T	HOQUIAM		298D	0.250	46-58-22	248.1	153.98	0
APP	WA BNPFT-030312BDP		107.5	32.0	123-51-10		0.00	TRANS
NEW-T	OAKVILLE		298D	0.005	46-53-30	238.5	128.71	0
APP	WA BNPFT-030314AIF		107.5	490.0	123-24-59		0.00	TRANS

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NEW-T	OCEAN SHORES		298D	0.250	47-00-32	252.3	174.17	0
APP	WA BNPFT-030312BCZ		107.5	37.0	124-09-28		0.00	TRANS
	KEREMEOS		299A	0.000	49-12-10	40.1	250.21	247
	BC -		107.7	0.0	119-45-40		3.21	CLOSE
K299AD	HOOD RIVER		299D	0.010	45-43-23	168.3	202.08	0
LIC	OR BLFT-940524TE		107.7	630.0	121-26-42		0.00	TRANS
K299AY	BREWSTER		299D	0.010	48-00-52	68.4	159.67	0
CP	WA BNPFT-030827AEA		107.7	1337.0	119-59-03		0.00	TRANS
KNDD	SEATTLE		299C	58.000	47-30-14	0.0	0.00	290
LIC	WA BLH-980508KA		107.7	714.0	121-58-29	SS	-290.00	SHORT
KNDDaux	SEATTLE		299C	50.000	47-32-35	293.7	10.87	0
LIC	WA BXLH-000525AAN		107.7	388.0	122-06-25		0.00	AUX
	VANCOUVER		300B	0.000	49-15-00	337.2	211.30	209
	BC -		107.9	0.0	123-06-00		2.30	CLOSE
	VANCOUVER		300B	0.000	49-15-00	337.2	211.30	209
	BC RM-		107.9	0.0	123-06-00		2.30	CLOSE
CILSFM	VICTORIA		300A1	0.000	48-25-27	315.8	144.17	162
	BC -		107.9	0.0	123-20-05		-17.83	SHORT
NOTE:	SEE TEXT FOR DISCUSSION							
	GOLDENDALE		300C2	0.000	45-40-53	157.7	218.45	188
ADD	WA RM-ajr322		107.9	0.0	120-54-30		30.45	CLEAR
NEW-T	MANSON		300D	0.007	47-51-15	73.3	141.24	0
APP	WA BNPFT-030314AGO		107.9	522.0	120-10-00		0.00	TRANS
NEW-T	ROCK ISLAND		300D	0.250	47-23-50	94.7	128.84	0
APP	WA BNPFT-030314BLD		107.9	-34.0	120-16-25		0.00	TRANS
	SOUTH BEND		300A	0.000	46-38-19	236.3	170.73	165
VAC	WA RM-9369		107.9	0.0	123-49-54		5.73	CLOSE
K300AP	SUNNYSIDE		300D	0.050	46-18-43	132.0	195.87	0
CP	WA BNPFT-030811AAG		107.9	223.0	120-04-53		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

