

**October 2005**  
**KING-FM Channel 251C 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>

**CIGV-FM-2 Channel 251A at Princeton, British Columbia, Canada**

The spacing study indicates an apparent short-spacing to Canadian station CIGV-FM-2 on Channel 251A at Princeton, 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 co-channel Class C to Class A spacing is 247 kilometers, whereas the distance between the KING-FM site and the CIGV-FM-2 site is 243 kilometers.

The Canadian FM database, downloaded from the Industry Canada website, lists CIGV-FM-2 as operating on Channel 251A1 at Princeton. The required co-channel Class C to Class A1 spacing is 227 km, which requirement is satisfied by the instant proposal.

Furthermore, KING-FM has been in operation at this same transmitter site since 1992. At that time KING-FM was fully-spaced to Channel 251A Princeton, since the Working Arrangement was not modified to accommodate 6 kW Class A stations until 1997. Prior to 1997, the required co-channel Class C to Class A spacing was 242 kilometers, which requirement was met.

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<sup>1</sup> KING-FM is presently authorized under Section 73.215 of the Commission's Rules. At the time KING-FM operation at this transmitter site was first proposed, that application was short-spaced to the Channel 251A allotment at Seaside, Oregon. Station KCYS 251A Seaside is now in operation at a transmitter site which is fully-spaced to KING-FM, eliminating the need for Section 73.215 status for KING-FM.

It is therefore believed that KING-FM is entitled to operate without any power restriction in the direction of CIGV-FM-2 Princeton.

**CKSR-FM Channel 252B at Chilliwack, British Columbia, Canada**

The proposed operation is short-spaced to Canadian station CKSR-FM, which operates on Channel 252B at Chilliwack, British Columbia. Under the terms of the Working Arrangement, the required first-adjacent-channel Class C to Class B spacing is 209 kilometers, whereas the distance between the KING-FM site and the CKSR-FM site is 179 kilometers.

Channel 251C at Seattle (the underlying allotment for KING-FM) is included in the Working Arrangement as an unlimited (albeit short-spaced) allotment. Channel 252B at Chilliwack did not exist in 1992 when KING-FM began operation at the West Tiger Mountain transmitter site. The Chilliwack allotment was the result of an application filed with the CRTC in 1999 and approved on June 9, 2000 by CRTC Broadcasting Decision 2000-192. Since KING-FM does not operate with any negotiated power restriction towards Chilliwack, it is believed that the station is entitled to operate with maximum Class C facilities in the direction of Chilliwack.<sup>2</sup>

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

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<sup>2</sup> In any case, the proposed KING-FM 52 dBu F(50,10) contour would not overlap the CKSR-FM protected service area at any location over Canadian land areas.

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SEARCH PARAMETERS FM Database Date: 041025

Channel: 251C 98.1 MHz Page 1

Latitude: 47 30 14

Longitude: 121 58 29

Safety Zone: 32 km

Job Title: KING-FM 251C SEATTLE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K248BG CP	ELLENSBURG WA	BNPFT-030829AXF	248D 97.5	0.250 58.0	46-59-57 120-31-42	116.7	123.03 0.00	0 TRANS
K249DZ CP	ARLINGTON HEIGHTS WA	BNPFT-030828BAF	249D 97.7	0.025 63.0	48-16-26 121-56-12	1.9	85.66 0.00	0 TRANS
KYSN LIC	EAST WENATCHEE WA	BLH-020423AAQ	249C3 97.7	9.300 -30.0	47-22-51 120-17-15	95.5	128.00 32.00	96 CLEAR
K249DX LIC	MEDINA WA	BLFT-050607AAD	249D 97.7	0.090 158.0	47-36-57 122-18-26	296.6	27.95 0.00	0 TRANS
RSV	OAKVILLE WA	RM-9369	249C1 97.7	0.000 0.0	46-57-14 123-29-21	242.4	129.97 24.97	105 CLEAR
KFMY APP	OAKVILLE WA	BPH-050511ADR	249C 97.7	60.000 756.0	47-18-46 123-22-15	259.1 SS	107.49 2.49	105 CLOSE
KFMYaux APP	OAKVILLE WA	BXPB-050815AAS	249C 97.7	3.700 82.0	47-00-58 122-54-57	233.0	89.52 0.00	0 AUX
KFMY RSV	OAKVILLE WA	-	249C 97.7	0.000 0.0	47-17-50 123-35-25	259.9	124.10 19.10	105 CLEAR
KFMY-FM1 LIC	OLYMPIA WA	BLFTB-011109AAG	249D 97.7	3.700 0.0	47-00-58 122-54-57	233.0	89.52 0.00	0 BOOST
K249CQ LIC	PACKWOOD WA	BLFT-871124TA	249D 97.7	0.050 529.0	46-36-08 121-38-10	165.5	103.49 0.00	0 TRANS
KFMYaux LIC	RAYMOND WA	BXLH-050406ACE	249C1 97.7	0.500 673.0	46-58-31 123-08-16	236.6	105.87 0.00	0 AUX
KFMY LIC	RAYMOND WA	BLH-011101ACQ	249C1 97.7	44.000 403.0	46-54-05 123-25-07	239.0 SS	128.28 23.28	105 CLEAR
NEW-T APP	BREWSTER WA	BNPFT-030317CCL	250D 97.9	0.001 1312.0	48-00-59 119-58-51	68.3	159.98 0.00	0 TRANS
K215AD APP	CHELAN, ETC. WA	BMJPFT-030314AEM	250D 97.9	0.010 901.0	47-48-37 120-02-00	76.1	149.76 0.00	0 TRANS

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K250AE CP	LONGVIEW WA	BPFT-030424ABJ	250D 97.9	0.250 25.0	46-08-57 122-58-29	207.2	168.83 0.00	0 TRANS
K250AE LIC	LONGVIEW WA	BLFT-981005TF	250D 97.9	0.050 -38.0	46-08-06 122-56-06	206.0	168.90 0.00	0 TRANS
NEW-T APP	PORT ANGELES WA	BNPFT-030317BVD	250D 97.9	0.005 DA 608.0	48-04-42 123-32-05	299.3	133.20 0.00	0 TRANS
NEW-T APP	ST HELENS WA	BNPFT-030317EAK	250D 97.9	0.250 45.0	45-51-22 122-49-16	199.7	194.28 0.00	0 TRANS
NEW-T APP	WOODLAND WA	BNPFT-030317LRI	250D 97.9	0.250 8.0	45-54-22 122-45-32	198.9	187.47 0.00	0 TRANS
NEW CP	YAKIMA WA	BNPL-010614AJQ	250L1 97.9	0.100 -56.1	46-35-55 120-30-55	131.8	149.76 29.76	120 CLEAR
NEW CP	YAKIMA WA	BNPL-010615ALT	250L1 97.9	0.100 -37.0	46-35-07 120-30-49	132.2	150.86 30.86	120 CLEAR
	OSOYOOS BC	RM-	251A 98.1	0.000 0.0	49-06-08 119-34-38	44.0	251.45 4.45	247 CLOSE
CIGVFM2	PRINCETON BC	-	251A 98.1	0.073 DA -157.0	49-28-10 120-32-42	25.2	242.78 -4.22	247 SHORT
NOTE: SEE TEXT FOR DISCUSSION; SHOWN AS 251A1 IN CANADIAN DATABASE								
NEW-T APP	BEAVERTON OR	BNPFT-030317AHR	251D 98.1	0.010 710.0	45-31-21 122-44-45	195.3	228.06 0.00	0 TRANS
ADD	BRIGHTWOOD OR	RM-9870	251C3 98.1	0.000 0.0	45-17-20 121-47-04	176.5	246.65 9.65	237 CLOSE
KCYS LIC	SEASIDE OR	BLH-000225AAK	251A 98.1	6.000 100.0	45-57-08 123-56-14	221.6	228.60 2.60	226 CLOSE
NEW-T APP	CHELAN WA	BNPFT-030317EBL	251D 98.1	0.099 DA 246.0	47-51-52 120-02-20	73.8	150.77 0.00	0 TRANS
KINGaux LIC	SEATTLE WA	BXLH-020829ABH	251C 98.1	50.000 DA 388.0	47-32-35 122-06-25	293.7	10.87 0.00	0 AUX

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KING-FM LIC	SEATTLE WA	BLH-921130KC	251C 98.1	58.000 714.0	47-30-14 121-58-29	0.0 SS	0.00 -290.00	290 SHORT
CKSRFM	CHILLIWACK BC	-	252B 98.3	5.000 210.0	49-06-36 121-50-47	3.0	178.85 -30.15	209 SHORT
NOTE: SEE TEXT FOR DISCUSSION								
KPPK CP	RAINIER OR	BNPH-041213ABF	252A 98.3	1.600 195.0	46-10-59 122-57-29	207.3	164.88 -0.12	165 SHORT
K252DP CP	KITTITAS WA	BNPFT-030711AAW	252D 98.3	0.250 0.0	47-00-09 120-31-31	116.5	123.07 0.00	0 TRANS
CFMSFM	VICTORIA BC	-	253C 98.5	100.000 185.0	48-46-28 123-10-10	328.3	166.93 13.93	153 CLEAR
NEW-T APP	CAMANO WA	BNPFT-030317KPG	253D 98.5	0.115 143.0	48-05-11 122-34-56	325.2	79.16 0.00	0 TRANS
NEW-T APP	CENTRALIA WA	BNPFT-030310BNF	253D 98.5	0.250 83.0	46-43-52 123-01-28	223.1	117.16 0.00	0 TRANS
NEW-T APP	ENUMCLAW WA	BNPFT-030317KNP	253D 98.5	0.010 950.0	47-13-09 121-50-31	162.4	33.21 0.00	0 TRANS
NEW-T APP	OLYMPIA WA	BNPFT-030317HRF	253D 98.5	0.250 134.0	47-00-58 122-54-57	233.0	89.52 0.00	0 TRANS
NEW-T APP	PORT ANGELES WA	BNPFT-030317KKI	253D 98.5	0.010 810.0	48-02-42 123-22-58	300.3	121.48 0.00	0 TRANS
NEW-T APP	SEATTLE WA	BNPFT-030314ALM	253D 98.5	0.020 89.0	47-36-17 122-19-46	293.0	28.96 0.00	0 TRANS
NEW-T APP	SEATTLE WA	BNPFT-030317KJG	253D 98.5	0.028 292.0	47-36-57 122-18-26	296.6	27.95 0.00	0 TRANS

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NEW-T	TENINO		253D	0.016	46-50-34	219.3	94.72	0
APP	WA	BNPFT-030310ATP	98.5	406.0	122-45-46		0.00	TRANS
NEW-T	UNION MILL		253D	0.140	47-03-42	233.0	81.27	0
APP	WA	BNPFT-030314AHM	98.5	168.0	122-49-48		0.00	TRANS
<b>44444 BEGINNING SEARCH OF SECONDARY DATABASE 44444</b>								
CIOC-FM	VICTORIA		253C	100.000	48-25-07	312.2	153.27	153
LIC	BC	-	98.5	147.0	123-30-36		0.27	CLOSE
<b>44444 END OF FM SPACING STUDY FOR CHANNEL 251 44444</b>								