

May 2015
KBBD(FM) Channel 280C1
Spokane, Washington
Allocation Study

Coordinate Correction Application

The instant application is being filed in order to correct the coordinates of the licensed KBBD main transmitter facility. The tower site elevation is also being corrected, which increases the antenna height AMSL and HAAT. Thus a corresponding reduction in ERP is also proposed, in order to remain within the limits for Class C1 operation.

The tower owner is filing a Form 7460-1 with the Federal Aviation Administration to correct the tower coordinates. Upon receipt of the FAA's determination of no hazard, an update to the FCC Antenna Structure Registration for the tower will be filed on Form 854.

Domestic Allocation Study

The attached spacing study shows that the proposed operation meets the domestic co-channel and adjacent channel spacing requirements for Class C1 stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of KZMN on Channel 280C1 at Kalispell. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to KZMN, and the attached cochannel study map is included to demonstrate the lack of prohibited contour overlap with that facility.

CHRT-FM 281B at Trail, British Columbia

The proposed transmitter site is short-spaced to Canadian station CHRT-FM, which operates on Channel 281B at Trail, 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 C1 to Class B spacing is 195 kilometers, whereas the distance between the proposed KBBD site and the CHRT-FM site is 172 kilometers. The attached allocation study map demonstrates that the proposed KBBD 48 dBu F(50,10) contour will not overlap any Canadian land areas. Therefore the proposed operation is believed to be in full compliance with international allotment requirements with respect to CHRT-FM.

CJUI-FM 280C at Kelowna, British Columbia

The proposed transmitter site is short-spaced to Canadian station CJUI-FM, which operates on Channel 280C at Kelowna, British Columbia. Under the terms of the *Working Arrangement*, the required co-channel Class C1 to Class C spacing is 302 kilometers, whereas the distance between the proposed KBBD site and the CJUI-FM site is 292 kilometers.

Channel 280C at Kelowna was accepted by the International Bureau on 2/07/2013 as a specially negotiated short-spaced allotment limited to 100 kW ERP and 275 meters HAAT or the equivalent towards KBBD. The instant coordinate correction application slightly increases the spacing between the two transmitter sites from 298.81 km to 298.92 km. Therefore the proposed operation is believed to be in full compliance with international allotment requirements with respect to CJUI-FM.

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SEARCH PARAMETERS

FM Database Date: 150522

Channel: 280C1 103.9 MHz

Page 1

Latitude: 47 35 58

Longitude: 117 17 57

Safety Zone: 32 km

Job Title: KBBD 280C1 SPOKANE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K227CD CP	SPOKANE WA	BNPFT-30830AAV	227D 93.3	0.099 196.0	47-41-52 117-31-07	303.7	19.78 0.00	0 TRANS
K277CQ APP	SANDPOINT ID	BMPFT-50429AAF	277D 103.3	0.014 1085.0	DA 48-22-40 116-37-05	30.1	100.37 0.00	0 TRANS
K277CQ CP	SANDPOINT ID	BNPFT-30830ANR	277D 103.3	0.010 1085.0	DA 48-22-40 116-37-05	30.1	100.37 0.00	0 TRANS
K278BX CP MOD	COEUR D'ALENE ID	BMPFT-40626AAL	278D 103.5	0.010 700.0	47-39-44 116-56-57	75.0	27.22 0.00	0 TRANS
K278BX APP	COEUR D'ALENE ID	BMPFT-50427ABD	278D 103.5	0.095 691.0	47-39-45 116-56-53	74.9	27.30 0.00	0 TRANS
K278AR LIC	MOSCOW ID	BLFT-20813ABP	278D 103.5	0.005 598.0	46-48-41 116-54-49	161.5	92.35 0.00	0 TRANS
ADD	WALLACE ID	RM-inv-43	278C2 103.5	0.000 0.0	47-33-49 115-50-01	91.5	110.32 31.32	79 CLEAR
KTWD RSV	WALLACE ID	-	278C1 103.5	0.000 0.0	47-15-08 115-57-20	110.4	108.48 26.48	82 CLEAR
KTWD APP	WALLACE ID	BPH-50317ABB	278C2 103.5	1.600 675.0	47-33-49 115-50-01	91.5	110.32 31.32	79 CLEAR
KTWD APP	WALLACE ID	BPH-50317ABB	278C1 103.5	2.000 675.0	47-33-49 115-50-01	91.5 SS	110.32 28.32	82 CLEAR
KTWD RSV	WALLACE ID	-	278C2 103.5	0.000 0.0	47-15-08 115-57-20	110.4	108.48 29.48	79 CLEAR
	ROCK CREEK BC	RM-	279B 103.7	0.000 0.0	49-09-54 119-15-14	321.1	226.43 31.43	195 CLEAR
	YAHK BC	-	279A 103.7	0.000 0.0	49-04-56 116-06-15	27.7	187.17 19.17	168 CLEAR
	HEDLEY BC	RM-	280A 103.9	0.000 0.0	49-12-24 120-05-16	312.0	273.08 30.08	243 CLEAR

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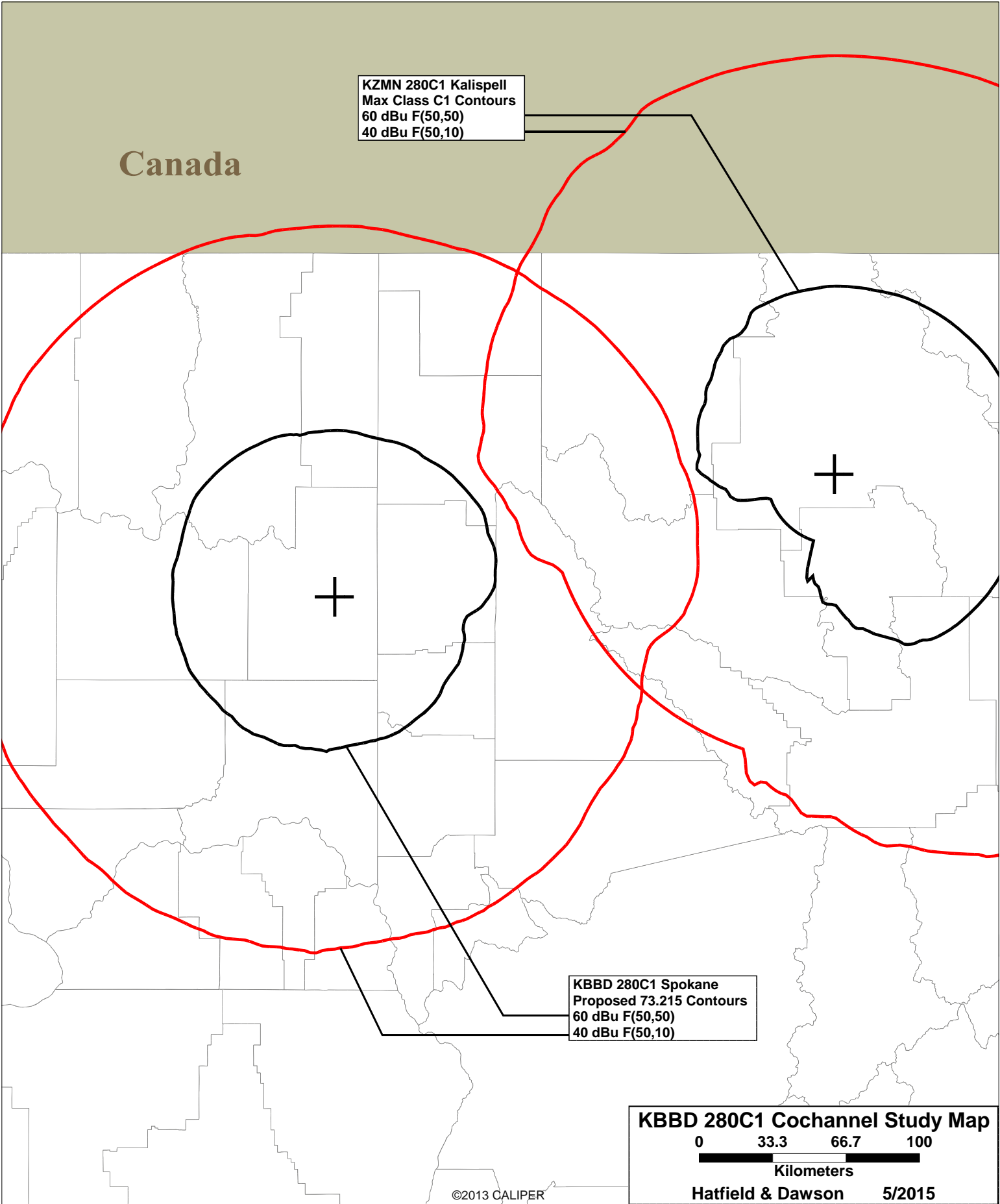
SEARCH PARAMETERS FM Database Date: 150522
Page 2Channel: 280C1 103.9 MHz
Latitude: 47 35 58
Longitude: 117 17 57
Safety Zone: 32 km
Job Title: KBBD 280C1 SPOKANE

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
	KELOWNA BC -		280C1 103.9	0.000 0.0	49-58-00 119-31-40	329.0	310.04 18.04	292 CLEAR
NEW	KELOWNA BC -30118CA1		280C 103.9	36.800 -90.0	49-46-47 119-30-26	327.1	291.92 -10.08	302 SHORT
K280FQ LIC	LEWISTON ID BLFT-41121ADW		280D 103.9	0.250 553.0	46-27-42 117-00-37	170.1	128.38 0.00	0 TRANS
KZMNaux LIC	KALISPELL MT BMLH-980507KB		280C1 103.9	3.000 47.0	48-11-52 114-15-03	72.6	237.45 0.00	0 AUX
KZMN LIC	KALISPELL MT BLH-910830KC		280C1 103.9	100.000 174.0	48-05-39 114-16-11	75.2	233.33 -11.67	245 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 224 KM								
K280BE LIC	THOMPSON FALLS, ETC. MT BLFT-800922IK		280D 103.9	0.006 692.0	47-33-00 115-21-30	91.4	146.13 0.00	0 TRANS
NEW-T LIC	EPHRATA, ETC. WA BLFT-810601IF		280D 103.9	0.041 294.0	47-18-56 119-35-08	260.4	175.27 0.00	0 TRANS
K213DP CP MOD	RICHLAND WA BMPFT-41216ABF		280D 103.9	0.016 407.0	46-14-04 119-19-13	226.1	216.17 0.00	0 TRANS
KBBD LIC	SPOKANE WA BLH-20802AAS		280C1 103.9	39.000 432.0	47-36-04 117-17-53	24.2 SS	0.20 -244.80	245 SHORT
K280BZ LIC	WENATCHEE WA BLFT-40805ABJ		280D 103.9	0.050 404.0	47-22-51 120-17-15	264.9	226.51 0.00	0 TRANS
	TRAIL BC -		281B 104.1	0.000 0.0	49-06-00 117-42-00	350.1	169.48 -25.52	195 SHORT
	TRAIL BC -		281B 104.1	0.100 825.0	49-06-11 117-51-09	346.5	172.15 -22.85	195 SHORT
KHTR LIC	PULLMAN WA BLH-870112KB		282C1 104.3	24.000 509.0	46-48-40 116-54-55	161.6	92.34 10.34	82 CLEAR
KNHK-FM3 CP	SANDPOINT ID BNPFTB-50128AUM		283D 104.5	0.200 0.0	48-13-45 116-30-32	39.8	91.61 0.00	0 BOOST

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SEARCH PARAMETERS                               FM Database Date: 150522
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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)
KNHK-FM LIC	NEWPORT WA	BMLH-41222ABI	283C1 104.5	87.000 319.0	48-23-09 117-14-15	3.0	87.56 5.56	82 CLOSE
KNHKaux LIC	NEWPORT WA	BXLH-50914ABW	283C1 104.5	4.000 79.0	47-41-52 117-31-07	303.7	19.78 0.00	0 AUX
KNHKaux CP	NEWPORT WA	BXPH-40117ABH	283C1 104.5	0.150 129.0	47-44-22 117-25-57	327.4	18.51 0.00	0 AUX
KNHKaux LIC	NEWPORT WA	BXLH-50113ABO	283C1 104.5	0.370 39.0	47-41-54 117-24-40	322.7	13.84 0.00	0 AUX
KNHK-FM1 LIC	SPOKANE WA	BLFTB-00419ABF	283D 104.5	2.000 0.0	47-42-03 117-30-22	306.1	19.20 0.00	0 BOOST
KNHK-FM1 CP MOD	SPOKANE WA	BMPFTB-40916AAZ	283D 104.5	0.365 0.0	47-41-54 117-24-40	322.7	13.84 0.00	0 BOOST

===== END OF FM SPACING STUDY FOR CHANNEL 280 =====



Canada

KBBB 280C1 Spokane
48 dBu F(50,10)



KBBB 280C1 Allocation Study Map (Canada)

0 50 100 150

Kilometers

Hatfield & Dawson

5/2015

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