

TELECOMMUNICATIONS ENGINEERING
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24 October 2021
Prepared for Upper Columbia Conference Corporation
New NCE, Moyie Springs, Idaho

ALLOCATION CONSIDERATIONS

On 24 October 2021, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS and those allocations and assignments notified by the Government of Canada, current as of 15 October 2021. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed two Canadian allocations requiring further study. The proposed allocation is short spaced to a co-channel Class A1 allocation at Passmore, British Columbia, and a co-channel Class A allocation at Canal Flats, British Columbia. The applicant respectfully requests that the proposed facility be negotiated as a Specially Negotiated Short Spaced assignment relative to these allocations on a contour protection basis. As regards all other Canadian allocations and assignments, the proposed facilities are fully spaced.

Attached is a map exhibit demonstrating conclusively that the facilities proposed herein would cause no interference to the allocations at Passmore and Canal Flats at their maximum Class facilities.

The applicant believes that the facilities proposed herein meet all of the Commission's rules of allocation and those outlined in the Agreement Between the United States and Canada.

Gray Frierson Haertig & Assoc.
Portland, Oregon

Upper Columbia Conference Corporation
Spokane, Washington

REFERENCE CH# 214C3 - 90.7 MHz, Pwr= 0.14 kw, HAAT= 859.8 M, COR= 1885 M DISPLAY DATES
48 36 38.00 N. DATA 10-15-21
116 15 28.00 W. Average Protected F(50-50)= 34.14 km SEARCH 10-24-21
Omni-directional

CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kw)	INT(km)	PRO(km)	*IN*	*OUT*
CITY	STATE			<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
214A1	AL4481	VAC	___	315.6	147.10	49 32 44.92	0.250	102.7	18.0	3.1	0.9
	Passmore		BC	134.5		117 40 55.98	100	1439			
213A	KUFL	LIC	_CN	116.3	57.55	48 22 44.80	1.000	14.2	10.2	14.1	3.3
	Libby		MT	296.8	BLED20110524AHG	115 33 32.50	-318	753	The University Of Montana		
214A	AL3999	VAC	___	9.9	178.94	50 11 41.00	6.000	124.2	38.0	16.6	15.4
	Canal Flats		BC	190.3		115 49 24.99	100	1383			
214C2	KZNP	LIC	_CN	160.7	136.00	47 27 16.70	1.250	88.3	31.8	23.3	24.8
	Mullan		ID	341.1	BLED20160531AAY	115 39 32.50	460	1875	Hi-Line Radio Fellowship,		
215A	AL3036<	VAC	___	342.4	153.30	49 55 22.04	6.000	80.2	38.0	119.0R	34.3M
	Kaslo		BC	161.9		116 54 15.89	100	1420			
216C	KPBX-FM	LIC	_CN	208.3	130.94	47 34 12.60	56.000	12.6	89.8	85.7	38.9
	Spokane		WA	27.6	BMLED19831028AB	117 05 03.70	725	1571	Spokane Public Radio, Inc.		
216A1	R14791<	VAC	___	310.8	98.76	49 11 09.81	0.250	1.1	18.0	57.0R	41.8M
	Salmo		BC	130.1		117 17 02.90	100	1362			
215C3	KSPL	LIC	_HN	94.0	141.01	48 30 21.80	0.250	63.3	42.2	47.5	51.4
	Kalispell		MT	275.4	BLED19970130KD	114 20 52.40	771	2090	The Moody Bible Institute		

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2,Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
< = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue: Canada

Prop

Latitude: 48-36-38 N
Longitude: 116-15-28 W
ERP: 0.14 kW
Channel: 214
Frequency: 90.7 MHz
AMSL Height: 1885.0 m
Elevation: 1859.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

Gray Frierson Haertig & Assoc.

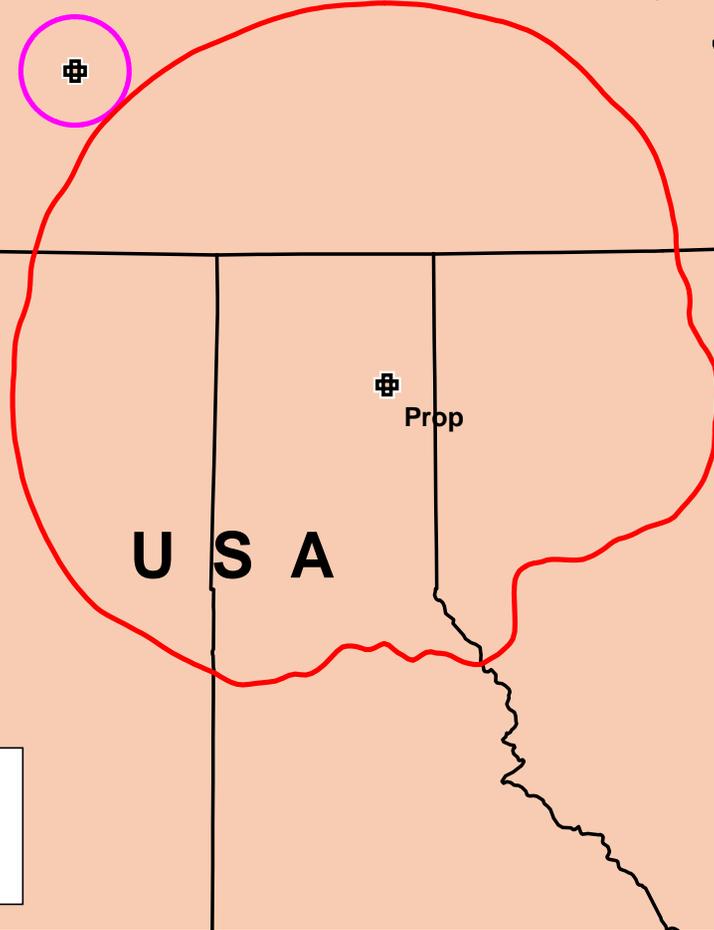
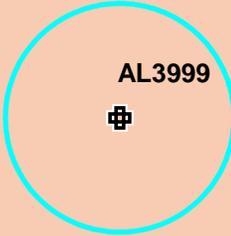
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CANADA

AL3999

AL4481

-  Passmore 18 KM Class A1 Protected Circle Contour
-  Canal Flats 38 KM Class A Protected Circle Contour
-  Proposed 34 dBu Interfering Contour



Prop

U S A

Proposed vs Canada

AL4481 Class A1 at Passmore, British Columbia
AL3999 Class A at Canal Flats, British Columbia

