

TELECOMMUNICATIONS ENGINEERING
GRAY FRIERSON HAERTIG & ASSOC.
4646 S.W. COUNCIL CREST DRIVE
PORTLAND, OREGON 97239
503-282-2989 (Office)
503-807-2989 (Cell)

ELECTRONIC MAIL
gfh@haertig.com

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. | | Average Protected F(50-50)= 34.14 km | | | | | | | | | | | | | DATA 10-15-21 | |
| 116 15 28.00 W. | | Omni-directional | | | | | | | | | | | | | SEARCH 10-24-21 | |
| 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 | BLED19831028AB | 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




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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

U S A

Prop

Proposed vs Canada

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

Scale 1:2,500,000

0 30 60 90 km