

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

15 February 2022
Prepared for Maine Public Broadcasting
New, Greenville, Maine

ALLOCATION CONSIDERATIONS

On 15 February 2022, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 15 February 2022 and those allocations and assignments notified by the Government of Canada. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed no assignments, allocations or applications requiring further study.

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

Gray Frierson Haertig & Assoc. Portland, Oregon											
Maine Public Broadcasting Corporation Portland, Maine											
REFERENCE 45 25 01.00 N. 69 35 03.00 W.		CH#	209A	- 89.7 MHz, Pwr= 1.7 kW, HAAT= 172.1 M, COR= 537.8 M Average Protected F(50-50)= 27.06 km Omni-directional				DISPLAY DATES DATA 02-15-22 SEARCH 02-15-22			
CH CITY	CALL	TYPE STATE	ANT --	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
208C3 762375 Greenville		APP _CN ME		0.0 0.0	0.00 0000166087	45 25 01.00 69 35 03.00	7.000 172	538	---Reference--- Maine Public Broadcasting		
209A WMBH Waterville		LIC _VN ME		183.8 3.7	94.82 BLED20000627AFW	44 33 57.20 69 39 47.10	0.110 32	24.9 108	7.4 The Mayflower Hill Broadca	38.4	0.1
212C3 WXPB Corinth		LIC _CN ME		142.2 322.5	50.49 BLED20111209JAH	45 03 26.20 69 11 25.20	2.000 275	2.7 410	34.0 Relevant Radio, Inc.	17.4	13.9
209B R43113 Sherbrooke		DEL ____ QU		270.1 88.5	175.89	45 23 48.15 71 49 52.34	50.000 150	136.8 386	65.0 From CDBS	14.9	17.3
209B AL3356 Fleurimont		_____ QU		270.1 88.5	175.89	45 23 48.15 71 49 52.34	50.000 150	136.8 386	65.0 From CDBS	14.9	17.3
209B R19648 Sherbrooke		RUL ____ QC		270.1 88.5	175.89	45 23 48.10 71 49 52.30	50.000 150	136.8 386	65.0 From CDBS	14.9	17.3
208A 768737 Howland		APP _CN ME		95.1 275.8	84.43 0000167715	45 20 41.00 68 30 28.00	0.300 149	27.0 247	18.2 Light Of Life Ministries I	24.6	16.8
209B CBF-2 Sherbrooke		LIC DCN QC		270.1 88.5	175.89	45 23 48.10 71 49 52.30	0.680 173	66.1 409	29.7 From CDBS	85.6	17.3
209B R19005 Sherbrooke		RUL ____ QC		268.4 86.7	183.22	45 20 45.10 71 55 18.30	50.000 150	138.6 381	65.0 From CDBS	20.3	24.4
209B R29336 Sherbrooke		ADD ____ QU		268.4 86.7	183.22	45 20 45.15 71 55 18.36	50.000 150	138.6 381	65.0 From CDBS	20.3	24.4
209C2 WMED Calais		LIC _CN ME		102.9 284.5	182.20 BLED19990526KA	45 01 45.30 67 19 24.00	30.000 160	125.5 228	46.5 Maine Public Broadcasting	24.0	46.0
210B WERU-FM Blue Hill		LIC _CN ME		144.0 324.7	134.37 BLED20081106AFA	44 26 04.30 68 35 23.10	11.500 261	68.1 300	45.6 Salt Pond Community Broadc	36.6	42.9
209A R15109« Quebec		VAC ____ QU		320.2 139.0	199.90	46 47 04.10 71 15 50.39	6.000 100	87.5 169	38.0 From CDBS	151.0R	48.9M
211A 762700 Millinocket		CP _CN ME		74.3 255.0	86.57 0000166604	45 37 23.50 68 30 45.10	1.500 136	2.0 264	23.7 Maine Public Broadcasting	54.4	60.6
207A WHSN Bangor		LIC _CN ME		136.2 316.8	90.06 BLED20061117ABN	44 49 46.30 68 47 37.10	3.000 26	1.8 88	17.2 Husson University	57.3	70.0
208C R29461« Riviere-du-loup		ADD ____ QU		3.8 184.0	241.42	47 35 03.14 69 22 08.27	100.000 600	131.5 969	97.0 From CDBS	182.0R	59.4M
208C R19065« Riviere-Du-Loup		RUL ____ QC		3.8 184.0	241.42	47 35 03.10 69 22 08.30	100.000 600	131.5 969	97.0 From CDBS	182.0R	59.4M
208A WWTP Augusta		LIC DCN ME		182.8 2.8	118.55 BMLD20180510AAE	44 21 06.80 69 39 28.40	0.480 109	14.3 184	10.2 Relevant Radio, Inc.	72.7	59.9
209B1 WTBP Bath		LIC DCN ME		181.1 1.1	171.00 BLED20160617AAB	43 52 44.90 69 37 33.00	10.500 88	69.7 103	21.1 Relevant Radio, Inc.	69.8	62.3
209A1 R12413« Quebec		DEL ____ QU		320.2 139.0	199.90	46 47 04.10 71 15 50.39	0.250 100	45.3 169	18.0 From CDBS	131.0R	68.9M
209A1 R17858« Quebec		VAC ____ QU		319.2 138.0	200.85	46 46 15.10 71 18 18.41	0.250 100	43.2 169	18.0 From CDBS	131.0R	69.9M
208C AL6185« Mont-citadelle		VAC ____ QU		6.5 186.7	258.55	47 43 40.14 69 11 41.26	100.000 600	134.7 958	97.0 From CDBS	182.0R	76.6M
208C R29068« Mont-citadelle		DEL ____ QU		6.5 186.7	258.55	47 43 40.14 69 11 41.26	100.000 600	134.7 958	97.0 From CDBS	182.0R	76.6M
208C AL06328« Mont-Citadelle		ALO ____ QC		6.5 186.7	258.55	47 43 40.10 69 11 41.30	100.000 600	134.7 958	97.0 From CDBS	182.0R	76.6M
208C R18867« Mont-Citadelle		RUL ____ QC		6.5 186.7	258.55	47 43 40.10 69 11 41.30	100.000 600	134.7 958	97.0 From CDBS	182.0R	76.6M

Prop

Latitude: 45-25-01 N
Longitude: 069-35-03 W
ERP: 1.70 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 537.8 m
Elevation: 448.63 m
Horiz. Pattern: Omni
Vert. Pattern: No

- Proposed 60 dBu F(50,50) Coverage Contour
- Corporate Limits, Greenville, Maine

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45-20-00 N

070-00-00 W

069-40-00 W

069-20-00 W

069-00-00



Greenville

Prop

Coverage of Community of License

60 dBu Area - 2,306 Sq. KM
60 dBu Population - 3,827

Scale 1:500,000

