

TECHNICAL STATEMENT
LARAMIE, WYOMING, CHANNEL 201A
CEDAR COVE BROADCASTING, INC.
SCHEDULE 340
DECEMBER 2021

This Technical Statement is prepared on behalf of Cedar Cove Broadcasting, Inc. (“CCB”). CCB is amending its pending application for a new NCE FM service at Laramie, Wyoming, application number 0000167334, facility ID 768664. This amendment is now proposing the new FM station on channel 201A for Laramie, Wyoming, with a reduced Effective Radiated Power (“ERP”) of 0.96 Kilowatts (960 watts), circular polarized antenna system and an increase in Center of Radiation height of 2364 Meters Above Mean Sea Level and 57 meters above ground. The antenna will also be located 11.0 Meters Above Average Terrain on existing an FCC registered tower, # 1214372.

The new operation was evaluated for compliance with all of the Commission technical rules and regulations for new Non-Commercial FM broadcast stations.

Compliance with Section 73.509 in regards to interference to other stations was determined as follows:

Figure 1 – Channel Interference Study. Shows compliance with interference contours towards other stations.

Figure 2 – Detailed contour study with KUWY(FM) Laramie, WY, Ch. 203A, facility ID 91583.

Figure 3 – Predicted 60 dbμ primary coverage contour for compliance with community coverage.

The application was determined to meet or exceed all of the technical requirements for a new FM Non-Commercial Station set for by the Commission.

Figure 1 - Detailed Channel Interference Study

Laramie, WY, Ch. 201A CH# 201A - 88.1 MHz, Pwr= 0.96 kw, HAAT= 11.0 M, COR= 2364 M Average Protected F(50-50)= 10.06 km Omni-directional											
REFERENCE 41 07 59.40 N. 105 32 55.80 W.											
DISPLAY DATES DATA 12-29-21 SEARCH 12-29-21											
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*	
201A Laramie	768664	APP _CN WY	0.0 0.0	0.00 0000167334	41 07 59.40 105 32 55.80	2.400 -9	2351	---Reference---			
203A Laramie	KUWY	LIC _CN WY	21.7 201.7	21.14 BLED20080303AJB	41 18 35.90 105 27 18.90	0.135 298	0.8 2703	18.9 University Of Wyoming	5.8	0.0	
201A Cheyenne	KFCY	APP _CN WY	87.3 267.8	69.46 0000162801	41 09 34.50 104 43 19.80	3.500 64	56.4 1898	13.7 Cedar Cove Broadcasting, I	3.0	20.4	
254A Laramie	KRQU«	LIC NCN WY	21.9 201.9	21.27 BLH20120723ADO	41 18 38.90 105 27 13.90	0.110 327	0.2 2730	4.6 Appaloosa Broadcasting Com	9.5R	11.8M	
202A Fort Collins	KVXO	LIC _CN CO	162.0 342.1	60.32 BLED20140731AQY	40 36 59.90 105 19 37.90	0.140 374	36.0 2545	22.9 Public Broadcasting Of Col	14.6	22.7	
201A Cheyenne	KFCY	LIC _CN WY	87.3 267.8	69.45 BMLED20140611ABG	41 09 34.90 104 43 19.90	1.800 63	43.7 1898	11.7 Cedar Cove Broadcasting, I	15.7	22.5	
204A Red Feather Lakes	764211	CP _CN CO	195.1 15.0	30.55 0000166710	40 52 03.00 105 38 36.00	0.005 246	0.2 2928	8.4 Ridgeline Radio, Inc.	20.3	20.3	
204A South Greeley	KDNR	LIC DCN WY	94.6 274.9	44.12 BLED20170926AFN	41 06 02.00 105 01 31.00	2.500 127	1.6 2153	12.2 western Inspirational Broa	32.4	29.6	
201C3 Lakewood	KVOD	LIC _CN CO	170.3 350.5	157.74 BLED20180405ABR	39 43 58.00 105 14 10.00	4.400 238	108.1 2275	40.3 Public Broadcasting Of Col	42.1	75.2	
201A Wheatland	768695	CP _CN WY	24.6 205.0	108.13 0000167331	42 00 58.40 105 00 09.90	0.800 42	33.0 1526	9.6 Cedar Cove Broadcasting, I	57.8	63.4	
202C3 Winter Park	KFFR	LIC DHN CO	189.5 9.3	126.68 0000161226	40 00 28.00 105 47 40.00	10.000 -171	26.8 2754	18.1 Fraser Valley Community Me	89.8	92.8	
203C2 Boulder	KGNU-FM	APP DCN CO	154.3 334.8	127.24 0000157412	40 05 57.00 104 54 03.20	6.500 339	1.2 1859	25.8 Boulder Community Broadcas	116.0	96.8	
201C2 Glenwood Springs	KDNK	LIC DEN CO	219.6 38.4	245.41 BLED20041022ABU	39 25 07.90 107 22 12.10	1.200 775	130.8 3227	56.6 Carbondale Community Acces	99.3	153.0	
203A Boulder	KGNU-FM	LIC DCN CO	165.2 345.4	130.98 BLED20100528ADY	39 59 32.90 105 09 17.90	4.000 65	2.1 1732	25.3 Boulder Community Broadcas	118.9	103.0	
201A Brush	768440	APP _CN CO	120.5 301.8	188.95 0000166836	40 15 19.00 103 38 02.00	6.000 28	68.3 1345	15.8 Brush School District Re-2	110.6	136.0	
255C2 Steamboat Springs	KCOQ«	LIC NCN CO	233.5 52.7	125.87 BLH20181210ABR	40 27 15.90 106 44 36.10	2.100 543	0.2 3186	4.6 Radio Partners LLC	14.5R	111.4M	
201A Kimball	768711	APP _CN NE	84.6 265.8	158.66 0000167330	41 15 08.00 103 39 51.00	0.850 -3	33.7 1468	9.8 Cedar Cove Broadcasting, I	114.9	113.7	
203A Steamboat Springs	KRNC	LIC _CN CO	236.1 55.3	132.70 BLED20060418ADQ	40 27 42.90 106 50 59.20	0.240 183	1.1 2528	7.0 Community Radio Of Norther	113.7	120.6	
202C1 Casper	KAIX	CP _CN WY	340.9 160.4	189.22 0000118404	42 44 24.00 106 18 25.00	3.700 558	52.9 2519	35.2 Educational Media Foundati	114.2	120.6	
202A Scottsbluff	KLJV	LIC _CN NE	60.7 241.8	163.42 BMLED20080523AEY	41 50 20.90 103 49 54.80	0.390 238	32.2 1532	21.6 Educational Media Foundati	121.2	127.5	
202C2 Casper	KAIX	LIC _CN WY	339.7 159.2	190.78 0000113904	42 44 26.00 106 21 36.00	0.850 559	38.5 2480	25.0 Educational Media Foundati	130.2	124.5	
06 -- Aspen	K06HU-D«	LI D_N CO	207.7 26.9	238.48 BLDTV-20130103AEF	39 13 32.80 106 50 10.09	0.006	20.9 2855	1.6	22.5R	216.0M	
06 -- New Castle	K06GW-D«	LI ?_N CO	224.6 43.3	242.32 BLDTV-20101013AAO	39 33 55.90 107 31 59.09	0.005	20.9 1940	2.4	23.3R	219.1M	
06 -- Crawford	K06KR-D«	LI D_N NE	45.4 226.8	246.68 BLDTV-20081125ANV	42 40 12.80 103 24 10.69	0.028	20.9 1179	3.1	24.0R	222.7M	

Terrain database is GLOBE 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)
 "*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
 « = Station meets FCC minimum distance spacing for its class.

Figure 2 - Detailed Contour Study with KUWY Ch. 203A
Laramie, WY, Ch. 201A

FMCommander Single Allocation Study - 12-29-2021 - GLOBE 30 Sec
768664.A's Overlaps (In= 5.76 km, Out= 0.0 km)

768664.A CH 201 A

Lat= 41 07 59.40, Lng= 105 32 55.80

0.96 kW 11 m HAAT, 2364 m COR

Prot.= 60 dBu, Intef.= 100 dBu

KUWY CH 203 A BLED20080303AJB

Lat= 41 18 35.90, Lng= 105 27 18.90

0.135 kW 298 m HAAT, 2703 m COR

Prot.= 60 dBu, Intef.= 100 dBu

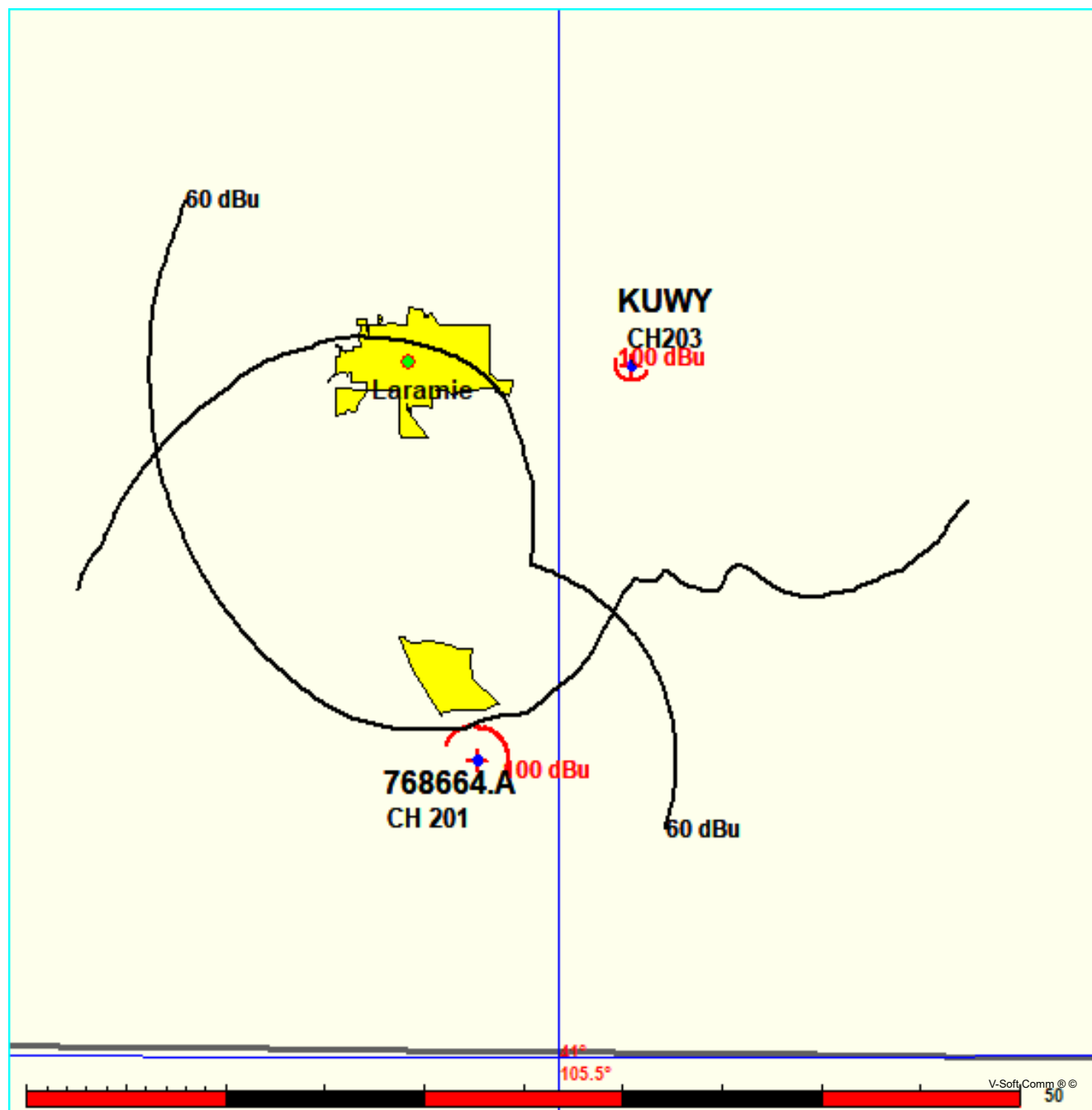


Figure 3 - Predicted 60 dBu Contour
Laramie, WY, Ch. 201A

Coverage Study - GLOBE 30 Sec
12-29-2021

768664 CH201 A , 0.96 kW, 11.0m HAAT, 2364.0m COR AMSL
Service Contour = 60 dBu.

