

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

This Technical Statement is prepared on behalf of Cedar Cove Broadcasting, Inc. It is proposing a new FM station on channel 201A for Laramie, Wyoming, with 2.4 Kilowatts (2,400 watts) Effective Radiated Power (“ERP”), circular polarized antenna system and a Center of Radiation height of 2351 Meters Above Mean Sea Level. The antenna will also be located minus (-9.0) Meters Above Average Terrain on existing 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 – 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

REFERENCE CH# 201A - 88.1 MHz, Pwr= 2.4 kw, HAAT= -9.0 M, COR= 2351 M
 41 07 59.40 N. Average Protected F(50-50)= 12.53 km
 105 32 55.80 W. Omni-directional

DISPLAY DATES
 DATA 11-07-21
 SEARCH 11-07-21

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*
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	18.3 University of Wyoming	5.4	0.2
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	0.5	6.9
201A Cheyenne	KFCY	LIC _CN WY	87.3 267.8	69.45 BMLD20140611ABG	41 09 34.90 104 43 19.90	1.800 63	43.7 1898	11.7 Cedar Cove Broadcasting, I	13.2	8.9
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	36.3 2545	23.4 Public Broadcasting Of Col	11.6	18.5
254A Laramie	KRQU«	LIC NCN WY	21.9 201.9	21.27 BLH20120723ADO	41 18 38.90 105 27 13.90	0.110 327	90.7 2730	67.5 Appaloosa Broadcasting Com	9.5R	11.8M
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	29.9	29.8
201C3 Lakewood	KVOD	LIC _CN CO	170.3 350.5	157.74 BLED20180405ABR	39 43 58.00 105 14 10.00	4.400 238	116.9 2275	44.2 Public Broadcasting Of Col	30.5	59.7
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	87.3	87.8
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	131.7 3227	57.1 Carbondale Community Acces	96.5	139.0
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	26.0 Boulder Community Broadcas	113.5	96.7
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	25.2 Boulder Community Broadcas	116.4	103.1
202C1 Casper	KAIX	CP _CN WY	340.9 160.4	189.22 0000118404	42 44 24.00 106 18 25.00	3.700 558	53.0 2519	35.2 Educational Media Foundati	110.2	114.6
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	111.4	119.3
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	90.7 3186	67.5 Radio Partners LLC	14.5R	111.4M
202C2 Casper	KAIX	LIC _CN WY	339.7 159.2	190.78 0000113904	42 44 26.00 106 21 36.00	0.850 559	39.8 2480	25.5 Educational Media Foundati	125.1	118.3
202A Scottsbluff	KLJV	LIC _CN NE	60.7 241.8	163.42 BMLD20080523AEY	41 50 20.90 103 49 54.80	0.390 238	30.2 1532	20.3 Educational Media Foundati	120.7	124.1
202A Craig	KPYR	LIC _CN CO	250.6 69.3	185.09 BLED20051021ACN	40 33 49.80 107 36 42.20	0.250 271	34.8 2283	23.2 Public Broadcasting Of Col	128.3	132.5
204C1 Douglas	KRKY-FM	APP _HN WY	7.6 187.8	193.34 0000162803	42 51 28.90 105 14 04.90	60.000 101	4.5 1658	42.5 Cedar Cove Broadcasting, I	165.6	147.4
204C3 Douglas	KRKY-FM	CP _HN WY	7.6 187.8	193.34 BPED20190912ABI	42 51 28.90 105 14 04.90	23.000 101	3.5 1658	34.8 Cedar Cove Broadcasting, I	166.6	154.7
204C3 Douglas	KRKY-FM	LIC _HN WY	7.6 187.8	193.34 0000101347	42 51 28.90 105 14 04.90	23.000 101	3.5 1658	34.8 Cedar Cove Broadcasting, I	166.6	154.7
203A Vail	KVQI	LIC _CN CO	204.6 24.0	185.07 BLED20091112AJH	39 36 55.90 106 26 59.10	5.000 -241	1.6 2730	15.0 Public Broadcasting Of Col	170.2	168.5
254C1 Sidney	KSID-FM«	LIC _CN NE	87.6 269.2	197.53 BLH20180629AAT	41 10 57.90 103 11 46.70	100.000 117	90.7 1461	67.5 Flood Communications West,	21.5R	176.0M
255C1 Manville	AU6229552«	VAC _N WY	22.5 203.1	198.44 RM	42 46 44.88 104 37 03.86	100.000 299	90.7 1910	67.5 21.5R	21.5R	176.9M
204C1 Manitou Springs	KCME	LIC _CN CO	167.3 347.8	271.64 BLED19990203KA	38 44 39.90 104 51 42.90	12.000 668	6.9 2918	78.7 Cheyenne Mountain Public B	252.3	190.4
201A Crawford	KCFD	LIC _CN NE	45.0 226.4	247.08 BLED20170426ABT	42 41 05.30 103 24 53.40	0.100 -63	18.6 1136	5.6 Southern Cultural Foundati	213.7	192.6

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2 *IN* (Overlap	*OUT* in km)
06 -- Aspen	K06HU-D«	LI CO	D_N	207.7 26.9	238.48 BLDTV-20130103AEF	39 13 32.80 106 50 10.09	0.006	26.5 2855	1.6	28.1R	210.4M
06 -- New Castle	K06GW-D«	LI CO	?_N	224.6 43.3	242.32 BLDTV-20101013AAO	39 33 55.90 107 31 59.09	0.005	26.5 1940	1.6	28.1R	214.2M
06 -- Crawford	K06KR-D«	LI NE	D_N	45.4 226.8	246.68 BLDTV-20081125ANV	42 40 12.80 103 24 10.69	0.028	26.5 1179	3.1	29.6R	217.1M
255C Pueblo	KKMG«	LIC CO	_CN	167.3 347.8	271.55 BLH19951005KA	38 44 42.90 104 51 42.90	72.000 695	90.7 2946	67.5 Radio License Holding Cbc,	28.5R	243.1M

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

Figure 2 - Predicted 60 dBu Contour
Laramie, WY, CH. 201A

Coverage Study - NGDC 30 SEC
11-08-2021

New CH201 A , 2.4 kW, -9.0m HAAT, 2351.0m COR AMSL
Service Contour = 60 dBu.

