

TECHNICAL STATEMENT
KEZF(FM) FORT COLLINS, COLORADO, CHANNEL 202A
CEDAR COVE BROADCASTING, INC
FCC FORM 340
MAY 2014

This Technical Statement is prepared on behalf of Cedar Cove Broadcasting, Inc., licensee of KEZF Fort Collins, Colorado, facility ID 84102. It is proposing to modify KEZF Fort Collins, Colorado, currently authorized with 0.15 Kilowatts Effective Radiated Power, and a Center of Radiation height of 2552 Meters Above Mean Sea Level. KEZF seeks to relocate to a new, existing tower site, remain on channel 202A, but decrease its ERP to 0.14 kilowatts, and slightly decrease its center of Radiation Height AMSL to 2527meters and 374 meters HAAT.

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 interference study for KFFR(CP) Fraser, CO, Ch. 202C3, BNPED-20071022AFK, facility ID 175799.

Figure 3 – Predicted 60 dB μ principle 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 INTERFERENCE STUDY

KEZF FORT COLLINS, CO CH. 202A

REFERENCE CH# 202A - 88.3 MHz, Pwr= 0.14 kW, HAAT= 374.0 M, COR= 2545 M
 40 37 00.0 N. Average Protected F(50-50)= 21.76 km
 105 19 36.0 W. Omni-directional

DISPLAY DATES
 DATA 04-19-14
 SEARCH 04-20-14

CH CITY	CALL	TYPE ANT STATE	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
202A	KEZF Fort Collins	LIC_VX CO	314.9 134.9	0.13 BLED20060117AFJ	40 37 03.0 105 19 40.0	0.150 364	80.2 2552	26.2 Cedar Cove Broadcasting, I	-101.9*	-94.2*
202C3	KFFR Winter Park	CP_DCX CO	210.4 30.1	78.54 BNPED20071018BDM	40 00 23.0 105 47 38.0	10.000 -180	69.7 2745	15.5 Fraser Valley Community Me	0.1	22.4
203A	KGUN-FM Boulder	LIC_DC_ CO	168.1 348.2	70.83 BLED20100528ADY	39 59 33.0 105 09 16.0	4.000 65	39.6 1732	25.6 Boulder Community Broadcas	4.8	1.2
202C1	1277517 Fort Morgan	APP_DCX CO	123.4 304.3	138.63 BNPED20071019BCM	39 55 21.9 103 58 18.4	11.000 334	109.9 1815	43.2 The Helpline	2.1	10.8
205A	KRFC Fort Collins	LIC_EX CO	96.2 276.4	35.85 BLED20030324ADY	40 34 53.0 104 54 20.0	3.000 66	2.1 1596	21.6 Public Radio For The Front	4.7	13.2
201C3	KVOD Lakewood	CP_DCX CO	176.2 356.2	98.63 BPED20120417AAA	39 43 49.0 105 15 00.0	2.100 275	67.4 2334	39.1 Public Broadcasting Of Col	6.4	15.4
204A	KHH Estes Park	LIC_VX CO	209.8 29.7	32.57 BLED20111104ACT	40 21 44.0 105 31 04.0	0.100 -49	0.7 2664	18.2 Cedar Cove Broadcasting, I	16.3	13.4
204A	KMKZ Red Feather Lakes	LIC_CX CO	316.5 136.3	38.59 BLED20110316AAC	40 52 04.0 105 38 33.0	0.005 260	0.2 2927	9.9 3g Learning Solutions	15.7	27.8
201C3	KVOD Lakewood	LIC_CX CO	174.9 355.0	105.33 BLED20100805AJY	39 40 18.0 105 13 05.0	1.200 321	62.3 2348	39.8 Public Broadcasting Of Col	17.7	27.2
256C1	KUAD-FM« Windsor	LIC_CX CO	86.1 266.4	43.17 BLH20031223ACH	40 38 31.0 104 49 03.0	100.000 255	0.0 1816	0.0 Townsquare Media Of Ft. Co	22.0R	21.2M
201A	KAI X Cheyenne	LIC_CX WY	39.9 220.3	78.97 BLED20140228AAI	41 09 35.0 104 43 18.0	1.800 63	20.7 1898	13.8 Educational Media Foundati	30.5	22.9
203A	KUWY Laramie	LIC_CX WY	352.1 172.0	77.74 BLED20080303AJB	41 18 36.0 105 27 17.0	0.135 298	17.3 2703	11.0 University Of Wyoming	35.3	26.1
204A	KDNR South Greeley	CP_DCX WY	25.2 205.4	59.46 BPED20120418AAT	41 06 02.0 105 01 29.1	1.000 129	1.7 2153	17.0 Western Inspirational Broa	30.4	38.0
204A	KDNR South Greeley	LIC_CX WY	25.2 205.4	59.46 BLED20080929AUD	41 06 02.0 105 01 29.1	0.500 129	1.6 2153	14.1 Western Inspirational Broa	30.5	40.9
202A	1212100 Fraser	APP_CX CO	210.8 30.5	85.30 BNPED20071017AHY	39 57 23.0 105 50 22.0	1.000 45	35.6 2640	10.2 Rv Ministries, Inc.	32.5	38.7
202A	1205743 Idaho Springs	APP_DVX CO	197.0 16.7	102.64 BNPED20071019AIY	39 43 56.0 105 40 38.0	2.000 -195	26.9 3018	7.9 Clear Creek Radio, Inc	58.5	34.5
202A	NEW Brush	CP_CX CO	104.4 285.5	147.83 BNPED20071018AYM	40 16 30.0 103 38 33.0	1.000 56	48.2 1370	13.4 Make A Difference Foundati	70.8	47.6
205A	KAI W Laramie	LIC_CX WY	328.1 147.7	89.19 BLED20090220AAZ	41 17 46.0 105 53 30.0	1.150 197	2.1 2459	29.3 Educational Media Foundati	64.5	58.9
202A	1212074 Pine	APP_CX CO	180.0 0.0	133.36 BNPED20071022AZK	39 24 56.0 105 19 40.0	0.100 21	18.6 2203	5.6 The North Fork Angling Soc	90.4	62.7
202A	KVAM Kimbali	LIC_CX NE	66.4 247.6	164.43 BLED20110407ACO	41 11 36.0 103 31 45.0	0.510 86	38.7 1527	11.1 Cedar Cove Broadcasting, I	95.1	63.2
205A	KIHI Burns	LIC_CX WY	50.1 230.7	96.07 BLED20110106AAB	41 10 01.0 104 26 49.0	2.700 27	1.6 1739	12.9 Cedar Cove Broadcasting, I	64.5	82.3
202A	KLJV Scottsbluff	LIC_CX NE	42.1 223.1	184.80 BLED20080523AEY	41 50 21.0 103 49 53.0	0.390 238	53.9 1532	16.8 Educational Media Foundati	101.9	83.1
201C3	KLMI Rock River	LIC____ WY	319.9 139.0	160.11	41 42 37.5 106 34 10.6	25.000 167	53.4 2443	22.7 User	89.2	86.4
202C1	KTPL Pueblo	LIC_CX CO	174.5 354.7	298.01 BLED20050309AAH	37 56 40.0 104 59 56.0	65.000 69	170.1 2593	71.3 Educational Communications	102.1	150.1
203A	KRNC Steamboat Springs	LIC_CX CO	262.9 81.9	130.12 BLED20060418ADQ	40 27 43.0 106 50 57.0	0.240 183	10.0 2528	7.0 Community Radio Of Norther	105.6	114.3

CH CI TY	CALL	TYPE STATE	ANT	AZI ---	DI ST FI LE #	LAT LNG	PWR(kW) HAAT (M)	INT(km) COR (M)	PRO(km) LI CENSEE	Page # 2 *IN* (Overl ap	*OUT* in km)
06 2C Hayes	KWNB-TV Center	LI _HN NE		88. 4 271. 2	363. 64 BLCDT20090604ABL	40 37 32. 0 101 01 45. 0	11. 900 221	0. 8 1160	12. 9 Pappas	257. 0R Telecasting	106. 6M Of Cent
06 2 Hayes	KWNB-DR Center	APR _HN NE		88. 4 271. 2	363. 64 BPRM20080801BDB	40 37 32. 0 101 01 45. 0	3. 000 221	0. 8 1160	12. 9 Pappas	257. 0R Telecasting	106. 6M Of Cent
06 2C Hayes	KWNB-TV Center	AP _HN NE		88. 4 271. 2	363. 64 BDSTA20121024ABA	40 37 32. 0 101 01 45. 0	6. 300 221	0. 8 1160	12. 9 Pappas	257. 0R Telecasting	106. 6M Of Cent
06 2C Hayes	KWNB-TV Center	AP _HN NE		88. 4 271. 2	363. 64 BDSTA20110930BHG	40 37 32. 0 101 01 45. 0	6. 300 221	0. 8 1160	12. 9 Pappas	257. 0R Telecasting	106. 6M Of Cent
202A Craig	KPYR	LI C _C_ CO		269. 0 87. 5	193. 48 BLED20051021ACN	40 33 50. 0 107 36 40. 0	0. 250 271	68. 8 2283	22. 6 Public	108. 6 Broadcasting	150. 0 Of Col
203A Vail	KVJZ	LI C _CX CO		221. 0 40. 3	146. 67 BLED20091112AJH	39 36 56. 0 106 26 57. 0	5. 000 -241	22. 4 2730	15. 0 Rocky Mountain	108. 9 Public Broa	122. 9
201A Elk Mountain	DKGCV	LI C _CX WY		323. 5 142. 8	149. 81 BLED20101223ACX	41 41 39. 0 106 24 02. 0	0. 100 -32	8. 0 2239	5. 6 Cedar Cove	119. 1 Broadcasting,	111. 3 I
201C2 Glenwood Springs	KDNK	LI C DEX CO		233. 2 51. 9	219. 32 BLED20041022ABU	39 25 08. 0 107 22 10. 0	1. 200 775	88. 4 3227	59. 0 Carbondale	118. 5 Communi ty Acces	151. 3
255A Steamboat Springs	KTYV«	LI C _CX CO		262. 9 81. 9	130. 14 BLH20120827ADA	40 27 43. 0 106 50 58. 0	0. 800 183	0. 0 2531	0. 0 Radio Partners	10. 0R Lic	120. 1M
204C1 Manitou Springs	KCME	LI C _CY CO		169. 0 349. 3	211. 66 BLED19990203KA	38 44 40. 0 104 51 41. 0	12. 000 668	6. 9 2918	79. 2 Cheyenne Mountain	178. 0 Public B	130. 9
204C2 Crook	K00W	LI C _CX CO		90. 4 271. 9	194. 24 BLED20121107ABN	40 34 57. 0 103 01 56. 0	22. 000 197	6. 0 1507	53. 5 3g Learning	158. 4 Soluti ons	139. 8
205C1 Carbondale	KCJX	LI C DEX CO		233. 2 51. 9	219. 32 BLED20040907AAD	39 25 08. 0 107 22 10. 0	4. 000 775	4. 0 3227	71. 2 Roaring Fork	202. 8 Public Radi o,	147. 0
202C3 Casper	KKRR	LI C NVX WY		340. 4 159. 7	251. 07 BLED20080822AAC	42 44 26. 0 106 21 34. 0	0. 500 526	67. 2 2464	22. 0 Wcn, Inc.	161. 1	150. 6
201C3 Salida	KMPZ	LI C _CX CO		193. 9 13. 4	247. 98 BLED20101029ADJ	38 26 48. 0 106 00 36. 0	0. 200 827	64. 9 3567	43. 8 Cheyenne Mountain	161. 8 Public B	181. 8
255C Pueblo	KKMG«	LI C _CY CO		169. 0 349. 3	211. 57 BLH19951005KA	38 44 43. 0 104 51 41. 0	72. 000 695	0. 0 2946	0. 0 Radio Li cense	29. 0R Holdi ng Cbc,	182. 6M
256C3 Glenwood Springs	KMTS«	LI C _CX CO		235. 5 54. 2	209. 84 BLH20050119ABM	39 31 57. 0 107 20 30. 0	10. 000 -69	0. 0 2295	0. 0 Colorado West	12. 0R Broadcasting	197. 8M
201A Crawford	KCFD	LI C _C_ NE		29. 6 210. 7	275. 71 BLED20101227AAK	42 45 38. 0 103 39 26. 0	1. 500 201	25. 3 1504	17. 1 Southern Cul tural	222. 6 Foundati	213. 6
201A Wray	KHTU	LI C _VX CO		102. 0 284. 0	269. 59 BLED20110516AAA	40 04 24. 0 102 14 03. 0	0. 100 -38	8. 0 1097	5. 6 Home Town Radi o	232. 7	219. 0
204C3 Douglas	KKWY	LI C _CX WY		1. 7 181. 8	249. 06 BLED20110526AJI	42 51 29. 0 105 14 03. 0	7. 000 73	2. 4 1630	23. 5 Wren Communi cations,	220. 6 Inc.	224. 8
204C3 Gunnison	KGNI	LI C _VX CO		210. 7 29. 7	268. 58 BLED20130809AAK	38 31 41. 0 106 54 14. 0	6. 500 106	1. 6 2639	20. 8 Crested Butte Mountain	249. 1 Edu	231. 5
204A Burlington	KTMJ	LI C _CX CO		118. 3 300. 2	298. 38 BLED20121018ABQ	39 18 24. 0 102 16 39. 0	0. 250 72	1. 1 1328	10. 0 Educational Communi cations	269. 6	287. 3

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.
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 protected contour.
« = Station meets FCC minimum distance spacing for its class.

FIGURE 2 - DETAILED CONTOUR STUDY WITH KFFR(CP)
KEZF FORT COLLINS, CO CH. 202A

FMCommander Single Allocation Study - 04-20-2014 - NGDC 30 SEC
KEZF's Overlaps (In= 0.1 km, Out= 22.43 km)

KEZF CH 202 A
Lat= 40 37 00.0, Lng= 105 19 36.0
0.14 kW 374 M HAAT, 2545 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KFFR-C CH 202 C3 DA BNPED20071018BDM
Lat= 40 00 23.0, Lng= 105 47 38.0
10.0 kW -180 M HAAT, 2745 M COR
Prot.= 60 dBu, Intef.= 40 dBu

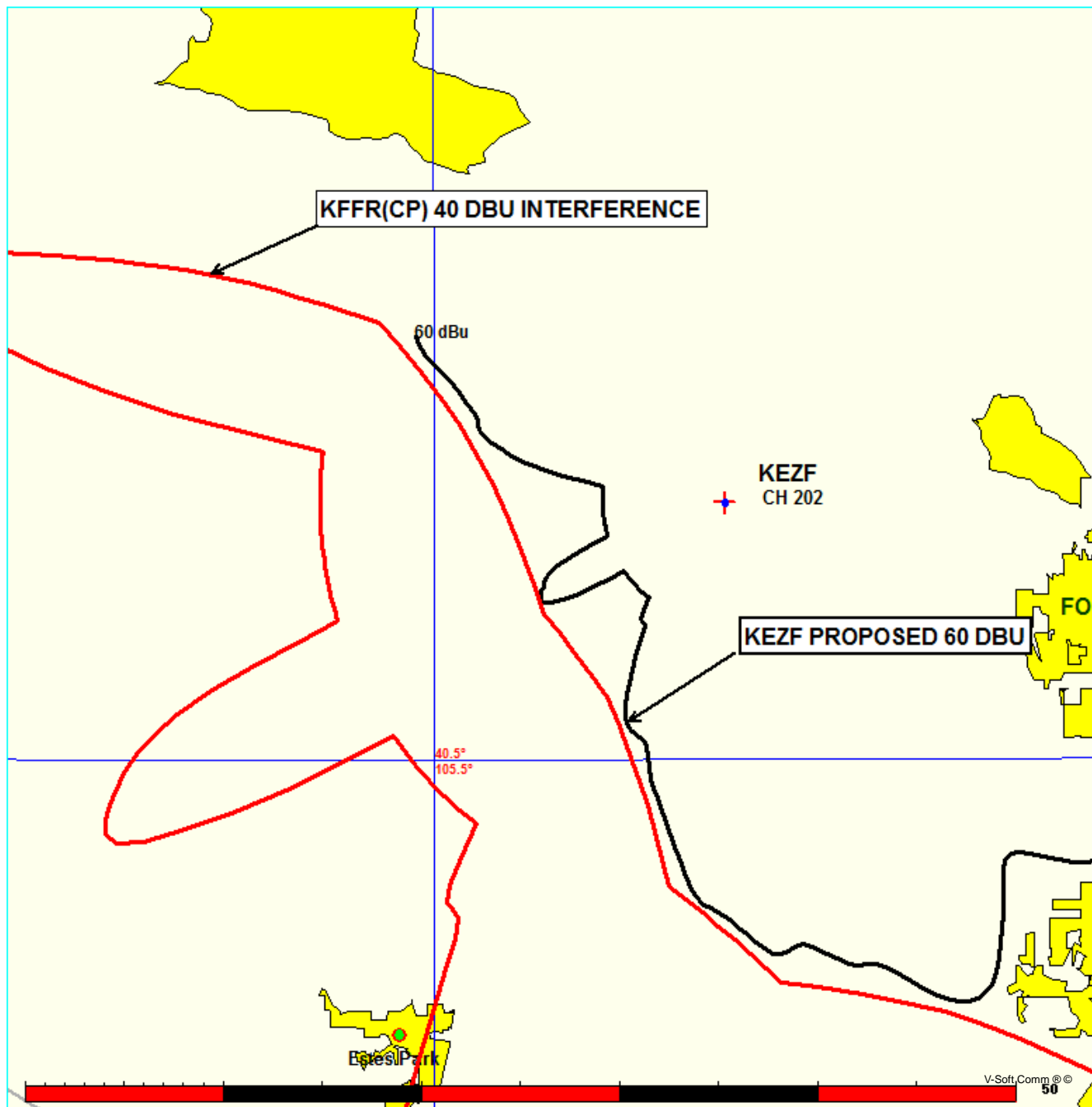


FIGURE 3 - PREDICTED 60 DBU
KEZF FORT COLLINS, CO CH. 202A

Coverage Study - NGDC 30 SEC
04-20-2014

KEZF CH202 A , 0.14 kW, 374.0M HAAT, 2545.0M COR AMSL
Service Contour = 60 dBu. Population = 171,452

