

FIGURE 1 - Detailed Channel Interference Study

Mitchell A. Beranek, Cheyenne, WY, CH. 227D

CH# 227D - 93.3 MHz, Pwr= 0.01 kw, HAAT= 70.6 M, COR= 1871 M

Average Protected F(50-50)= 4.89 km

Omni-directional

DISPLAY DATES

DATA 05-21-13

SEARCH 05-21-13

REFERENCE
41 09 40.0 N.
104 38 46.0 W.

CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
227C0 Gering	KMOR	LIC NCX NE	41.9 222.4	101.79 BLH20070827AED	41 50 23.0 103 49 36.0	100.000 311	161.0 1598	63.1 Legacy	-65.3	18.7 Communications, Llc
229C3 Cheyenne	KAZY * *	LIC _CX WY	232.5 52.5	4.87 BLH20060615AAH	41 08 04.0 104 41 32.0	25.000 35	3.4 1859	33.7 Freisland Broadcasting Cor	-2.1	-29.0 * *
227C1 Wheat Ridge	KTCL	LIC DCX CO	197.6 17.3	166.28 BLH20070621AQR	39 43 59.0 105 14 10.0	71.000 346	179.0 2256	80.0 Citicasters Licenses, Inc.	-17.5	72.1
225C2 Warren Afb	KOLT-FM * *	LIC _CX WY	258.8 78.4	47.68 BLH20070131ABW	41 04 35.0 105 12 10.0	33.000 185	7.0 2404	59.1 Joli A. Lofstedt, Chapter	36.9	-11.7 * *
224D Cheyenne	651103 *	APP _C_ WY	232.2 52.2	5.04 BNPFT20030317LJL	41 08 00.0 104 41 37.0	0.250 42	1.1 1865	11.4 Mitchell A. Beranek	0.2	-6.5 *
224D Cheyenne	635635	APP _C_ WY	277.6 97.5	13.98 BNPFT20030317ASW	41 10 39.0 104 48 41.0	0.250 39	1.1 1919	12.4 Powell Meredith Communicat	9.7	1.4
224D Cheyenne	635078	APP _C_ WY	254.4 74.3	25.35 BNPFT20030312AEW	41 05 59.0 104 56 13.0	0.170 44	0.9 1994	13.3 Community Public Radio, In	20.7	11.8
230A Loveland	KCWA	LIC ZCX CO	211.4 31.1	86.79 BLH20101214ACL	40 29 37.0 105 10 53.0	0.580 319	1.2 2098	30.9 Way Media, Inc.	81.3	55.4
228D Fort Collins	K228EZ	APP DC_ CO	214.4 34.0	82.62 BPFT20120821AAD	40 32 47.0 105 11 53.0	0.010	21.4 2198	13.5 Fireside Educational Group	57.2	64.2
228D Fort Collins	K228EZ	LIC DV_ CO	214.4 34.0	82.62 BLFT201111005AJG	40 32 47.0 105 11 53.0	0.009	20.3 2198	12.9 Fireside Educational Group	58.2	65.0
228L1 Laramie	KOCA-LP	LIC ____ WY	282.5 101.9	80.37 BLL20021223AAQ	41 18 48.0 105 35 00.0	0.100	8.0 2218	5.6 La Radio Montanesa: Voz De	69.2	70.3
228C3 Log Lane Village	KZLL	CP _CX CO	139.0 319.7	129.89 BPH20120222ABS	40 16 30.0 103 38 33.0	11.000 62	36.4 1376	23.5 Jer Licenses, Llc	87.7	96.1
224D Wheatland	K224DT	LIC _C_ WY	345.3 165.1	102.97 BLFT20090811ABP	42 03 26.0 104 57 48.0	0.250 48	1.1 1503	7.1 Smith Broadcasting, Inc.	97.1	95.1
225C2 Fleming	KSIK	CP _CX CO	114.8 295.9	150.46 BPH20111114AVH	40 34 57.0 103 01 56.0	26.000 150	5.8 1460	52.4 Fireside Radio, Llc	138.4	97.7
225D Longmont	1550047	APP _C_ CO	198.8 18.5	108.00 BNPFT20030312ACQ	40 14 24.0 105 03 23.0	0.025	0.4 1637	7.8 Educational Communications	102.9	99.9
226A Walden	NEW	CP NCX CO	251.8 70.7	144.92 BNPH20120518AAO	40 44 33.0 106 16 35.0	6.000 25	23.5 2506	15.8 Falletti, Christopher	117.6	124.0
228C1 Casper	KWYX	LIC _CX WY	322.5 141.4	223.15 BMLH20100607AFR	42 44 28.0 106 18 31.0	3.800 530	55.7 2497	37.3 Cochise Broadcasting Llc	163.2	171.5
225C Colorado Springs	KKPK	LIC _C_ CO	184.0 3.8	268.83 BLH19990311KE	38 44 44.0 104 51 42.0	79.000 670	16.4 2922	103.1 Radio License Holding cbc,	247.3	165.4
230A Frisco	KYSL	LIC _CN CO	215.4 34.4	217.54 BLH19940808KA	39 33 22.0 106 06 53.0	0.560 324	1.6 3549	41.9 Krystal Broadcasting, Inco	211.9	175.2
228C1 Paxton	KZTL	LIC _CX NE	91.1 273.3	278.09 BLH20071031AAY	41 03 50.0 101 20 16.0	100.000 230	96.2 1199	65.1 Legacy Communications, Llc	175.6	203.7
229C1 Craig	KRAI-FM	LIC _CN CO	256.3 74.4	258.00 BLH6997	40 34 35.0 107 36 29.0	100.000 299	10.8 2315	75.5 Wild West Radio, Inc.	243.5	182.0
224A Rawlins	KIQZ	LIC _CN WY	288.3 106.6	226.84 BLH19811119AI	41 46 16.0 107 14 15.0	3.000 91	2.8 2237	31.9 Mt. Rushmore Broadcasting,	220.9	193.4
224C Glenwood Springs	KKCH	LIC NC_ CO	230.9 49.1	301.69 BMLH20031125AEC	39 25 07.0 107 22 06.0	56.000 763	13.9 3212	101.2 Nrc Broadcasting Mountain	284.1	199.5
229A Limon	KIIQ	LIC _CX CO	158.6 339.2	225.62 BLH20041025AEJ	39 16 00.0 103 41 15.0	1.000 -32	1.6 1649	10.2 Percheron Growth, Llc	218.2	215.2
229C3 Pine Ridge	KVAR	LIC _CX SD	40.9 222.3	248.28 BMLH20081120ACF	42 49 47.0 102 39 08.0	12.000 146	3.1 1290	31.0 Alleycat Communications	239.0	216.2

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2 *IN* (Overlap in km)	*OUT*
229A Hugo	KFCY	CP	_HX CO	159.8 340.5	242.78 BPH20111114AVK	39 06 20.0 103 40 30.0	6.000 87	2.4 1751	23.6 Kona Coast Radio, LLC.	234.6	217.3
224D Edwards And Eagle	KKCH-FM2	LIC	DV_ CO	226.4 45.1	240.17 BLFTB20070320AAP	39 39 20.0 106 40 39.0	1.100	0.6 2536	5.1 Nrc Broadcasting Mountain	235.9	225.0
227C3 Antelope Valley-cre	KLED	LIC	NCX WY	348.3 167.7	350.08 BLH20120410ABY	44 14 35.0 105 32 19.0	13.500 136	102.3 1564	36.0 Legend Communications Of W	242.9	299.7
228C3 Aspen	KTND	LIC	_C_ CO	224.5 43.0	284.13 BLH20100816ABF	39 18 56.0 106 57 32.0	21.000 109	33.5 2682	21.8 BS&t Wireless, Inc.	246.9	257.8
226C1 Riverton	KTRZ	LIC	_CN WY	302.1 119.7	337.84 BLH19841205KR	42 43 10.0 108 08 41.0	100.000 269	85.2 2235	55.8 Carol Carroll	249.3	276.9
229C2 Salida	KSBV	LIC	_CX CO	201.5 20.7	323.26 BLH20020828AAQ	38 26 47.0 106 00 37.0	1.000 830	2.2 3572	58.7 Arkansas Valley Broadcasti	316.3	264.2

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= West Zone, 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 protected contour.

* Translator application being amended by this application.

** No interference will be caused to these stations as the 100 dbu interference contour will not cover any population. A showing of compliance will be documented in a subsequent 301 "Long Form" application.