

FIGURE 1 - Detailed Channel Interference Study											
Mitchell A. Beranek, Breckenridge, CO, CH. 280D											
CH# 280D - 103.9 MHz, Pwr= 0.023 kW, HAAT= 0.0 M, COR= 3229 M											
Average Protected F(50-50)= 3.87 km											
Omni-directional											
DISPLAY DATES											
DATA 05-21-13											
SEARCH 05-21-13											
CH	CALL	TYPE	ANT	AZI	DI ST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
280A	KSN0-FM	LIC_CN		250.4	81.63	39 14 51.0	6.000	68.3	15.8	9.5	53.5
Snowmass Village		CO		69.9	BMLH19960220KC	106 55 13.0	99	2798	Cool Radio, LIc		
281C3	KBVC	LIC_NCN		190.0	84.60	38 44 45.0	0.600	68.4	45.8	12.4	33.3
Buena Vista		CO		9.9	BLH19961127KB	106 11 55.0	362	3335	Three Eagles Communication		
280C1	KYEN	LIC_NCX		25.4	138.11	40 37 03.0	16.500	106.8	37.9	20.1	62.6
Severance		CO		205.8	BLH20080311AAU	105 19 40.0	372	2560	Cochise Media Licenses LIc		
281D	K281AM	LIC_C_		290.4	38.48	39 36 58.0	0.050	6.7	4.7	27.9	28.3
Vail		CO		110.1	BLFT20111003ASF	106 26 57.0		2727	Nrc Broadcasting Mountain		
277D	641630	APP_DV_		293.4	39.02	39 38 05.0	0.100	0.6	5.4	34.5	33.3
Vail		CO		113.1	BNPFT20030314CKI	106 26 47.0	32	2958	Cimarron Communications Co		
280D	1550564	APP_C_		54.0	51.28	39 45 59.0	0.013	10.8	3.4	36.6	35.5
Black Hawk		CO		234.3	BNPFT20030317HJN	105 32 39.0		2960	Kevin Nelson		
282C1	KKFN	LIC_NC_		73.0	77.43	39 41 45.0	100.000	3.2	31.0	70.4	46.1
Longmont		CO		253.6	BLH19991214ABH	105 09 54.0	206	2081	Lincoln Financial Media Co		
278C0	KRFx	LIC_DCX		68.6	72.97	39 43 59.0	100.000	2.3	22.7	66.8	49.9
Denver		CO		249.1	BLH20070927AIC	105 14 10.0	346	2256	Citicasters Licenses, Inc.		
280D	1549612	APP_C_		57.1	80.65	39 53 12.0	0.250	23.8	7.1	53.0	61.2
Pleasant View		CO		237.7	BNPFT20030317BTF	105 14 09.0		1920	Mary V. Guthrie		
280C2	KRXP	LIC_NCX		129.3	130.90	38 44 44.0	1.750	73.1	24.1	53.9	94.4
Pueblo West		CO		310.0	BLH20070326AGF	104 51 42.0	657	2912	Colorado Springs Radio Bro		
282D	647603	APP_DC_		246.7	75.55	39 13 33.0	0.011	0.0	1.6	71.7	73.6
Aspen		CO		66.2	BNPFT20030317BQR	106 50 00.0	19	2877	Educational Communications		
280D	KSN0-FM1	LIC_DC_		273.6	112.05	39 33 10.0	0.300	24.4	7.3	83.6	91.7
Glenwood Springs		CO		92.8	BLFTB20100518AEC	107 19 48.0		1820	Cool Radio, LIc		
281C3	KFMU-FM	LIC_NCN		319.0	109.48	40 14 10.0	1.400	15.6	11.0	85.6	86.7
Oak Creek		CO		138.4	BLH19940111KC	106 52 30.0	327	2831	Nrc Broadcasting Mountain		
278D	K278AG	LIC_DH_		260.4	92.98	39 21 11.0	0.010	0.1	5.9	89.0	86.8
Basalt		CO		79.8	BLFT20060321ACE	107 05 34.0	129	2542	Pitkin County Translator D		
278D	K278BD	CP_DC_		254.7	106.32	39 14 20.0	0.008	0.2	2.6	102.3	103.4
Redstone		CO		74.0	BPFT20130205ACF	107 13 02.0		2652	Pitkin County Translator D		
278D	K278BD	LIC_DH_		254.7	106.32	39 14 20.0	0.019	0.0	0.6	102.4	105.3
Redstone		CO		74.0	BLFT20050607ACL	107 13 02.0	-186	2637	Pitkin County Translator D		
283C3	KSTY	LIC_CX		151.4	149.10	38 18 54.0	8.600	4.3	44.1	140.9	104.7
Canon City		CO		331.9	BLH20071003ABD	105 12 40.0	14	2138	Royal Gorge Broadcasting,		
282D	627689	APP_DH_		266.4	116.17	39 25 23.5	0.010	0.1	10.0	112.2	105.8
Carbondale		CO		85.5	BNPFT20030311AFT	107 22 31.6	782	3239	Pitkin County Translator D		
278D	K278BV	CP_DC_		272.5	112.96	39 31 57.0	0.099	0.4	4.1	108.1	108.5
Glenwood Springs		CO		91.6	BNPFT20130328AKY	107 20 30.0		2286	Cool Radio, LIc		
279C2	KSNN	LIC_CX		229.6	188.49	38 23 15.0	4.100	71.1	47.3	113.5	135.7
Ridgway		CO		48.6	BLH20030521ABD	107 40 31.0	480	2860	Ccr-montrose Iv, LIc		
283D	KSTY-FM1	LIC_C_		129.3	130.98	38 44 43.0	0.003	0.1	5.6	127.0	125.1
Colorado Springs		CO		310.0	BLFTB20050815ABU	104 51 39.0		2957	Royal Gorge Broadcasting L		
283C2	KYAP	RSV-A	___	358.0	198.60	41 17 02.0	50.000	7.9	62.9	177.2	135.3
Centennial		WY		178.0		106 06 36.0	150	2778	White Park Broadcasting, I		
282C0	KMXy	LIC_CX		259.3	239.42	39 03 56.0	100.000	16.1	98.8	219.4	140.3
Grand Junction		CO		77.6	BLH20110209ADG	108 44 52.0	446	2245	Townsquare Media Grand Jun		
280L1	KSBP-LP	CP	___	268.6	171.52	39 26 31.0	0.100	18.6	5.6	149.1	153.5
Parachute		CO		87.3	BPL20080124ADL	108 01 15.0	-210	1709	Ksun Community Radio		
278C	1144256	RSV-A	___	313.3	253.89	41 02 25.0	100.000	15.1	95.5	231.3	158.0
Baggs		WY		131.9		108 13 50.0	600	2660	Austin Jr, Ted W		

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 i n km)	*OUT*
283C2 Centenni al	KYAP	APP NCX WY		13. 8 194. 2	204. 70 BPH20130124ACV	41 17 06. 0 105 26 41. 0	13. 500 284	4. 2 2702	41. 7 White Park Broadcasting, I	188. 0	162. 7
278C Baggs	1142857	APP _CX WY		313. 3 131. 9	253. 89 BNPH20060224ACG	41 02 25. 0 108 13 50. 0	100. 000 452	13. 0 2511	89. 5 Austin Jr, Ted W	233. 4	164. 1
279C1 Akron	AL8413	VAC ____ CO		75. 6 257. 6	270. 23 RM10630	40 03 28. 0 102 57 35. 0	100. 000 299	101. 5 1637	69. 4 Akron B/c Co.	164. 8	195. 3
277C1 Col orado Ci ty	KJQY	LIC _CX CO		145. 3 326. 2	230. 63 BLH20110418ABT	37 46 52. 0 104 32 03. 0	100. 000 165	8. 4 1958	64. 8 Puebl o Broadcasting Group	218. 3	165. 5
277D Puebl o West	KJQY-1	APP DE_ CO		138. 6 319. 4	170. 52 BNPFTB20130308AAB	38 20 22. 4 104 44 07. 3	7. 000	0. 1 1569	1. 6 Puebl o Broadcasting Group	166. 6	168. 5
278C3 Center	KPAU	CP _CX CO		194. 1 13. 7	202. 07 BPH20100316AAU	37 43 47. 0 106 35 18. 0	0. 880 504	1. 9 3365	33. 3 Cochi se Medi a Li censes LI c	196. 3	168. 4
278A Center	KPAU	LIC _HX CO		182. 2 2. 1	189. 68 BLH20090507AB0	37 47 20. 0 106 06 43. 0	0. 460 8	1. 5 2332	8. 3 Cochi se Medi a Li censes LI c	184. 3	181. 0
277C2 Del ta	KPRU	LIC _C_ CO		250. 7 69. 3	201. 83 BLED20010411AAF	38 52 40. 0 108 13 32. 0	12. 000 301	1. 9 2316	19. 0 Publ ic Broadcasting Of Col	196. 1	182. 5
277C2 Warren Afb	KRAN	LIC ZCX WY		30. 5 211. 4	215. 49 BLH20090624AEP	41 09 34. 0 104 43 19. 0	37. 000 78	3. 2 1912	31. 4 Frei sl and Broadcasting Cor	201. 8	183. 8
283A Centenni al	KYAP	LIC _CX WY		357. 4 177. 3	200. 15 BLH20121126ACD	41 17 49. 0 106 08 23. 0	0. 500 33	1. 6 2455	8. 5 White Park Broadcasting, I	185. 0	191. 3
277A Baggs	AU9429895	VAC __N WY		321. 6 140. 6	220. 05 RM9279	41 02 12. 0 107 39 24. 0	6. 000 100	2. 8 2088	28. 7 Mountain Tower Broadcastin	207. 8	191. 1
277A Baggs	1113349	APP ____ WY		321. 6 140. 6	220. 05 BSFH20050812AXH	41 02 12. 0 107 39 24. 0	6. 000 100	2. 8 2088	28. 7 Austin Jr, Ted W	207. 8	191. 1
281C3 Sil ver ton	NEW	CP _CX CO		217. 6 36. 6	235. 95 BNPH20110630AEB	37 48 12. 0 107 40 04. 0	25. 000 -604	35. 6 2859	22. 7 Mt Communi cations	196. 5	207. 8
281C2 Guernsey	KANT	LIC _CX WY		14. 4 195. 1	327. 38 BLH20080304AAR	42 20 46. 6 105 02 03. 9	36. 000 172	77. 5 1675	52. 4 Peak Radi o LI c	237. 3	256. 5
279C1 Questa	KLNN	LIC _HX NM		173. 6 353. 9	317. 14 BLH20100713AAS	36 39 23. 0 105 37 57. 0	51. 000 -64	71. 1 2452	45. 9 West Waves, Inc.	242. 2	265. 7
281C2 Guernsey	KANT	CP _CX WY		14. 4 195. 1	327. 38 BPH20110211ACB	42 20 46. 6 105 02 03. 9	18. 000 172	68. 3 1675	46. 3 Peak Radi o LI c	246. 5	262. 6
279C Casper	KQLT	LIC _CY WY		356. 4 176. 2	361. 38 BLH19980114KB	42 44 37. 0 106 18 31. 0	100. 000 567	98. 0 2525	66. 5 Mt. Rushmore Broadcasting,	249. 6	274. 3
281C1 Burl ington	KNAB-FM	LIC _CN CO		92. 8 275. 2	325. 41 BLH19900222KD	39 17 41. 0 102 15 37. 0	51. 000 110	66. 8 1367	41. 9 Knab, Inc.	254. 8	278. 0

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. 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)