

TECHNICAL STATEMENT
K205CO COPPER MOUNTAIN, CO
CEDAR COVE BROADCASTING, INC.
FCC FORM 349
FEBRUARY 2011

This Technical Statement is filed in support of a minor change application for K205CO Copper Mountain, Colorado, facility ID 76091. K205CO is seeking to change its transmitter location, decrease its Effective Radiated Power from 20 watts to 10 watts, and also specify a new directional antenna system.

Figure 1 is a detailed interference study for the proposed operation of K205CO on channel 205D. There will not be any prohibited outgoing interference produced by K205CO with the exception of KVIJZ Vail, Colorado operating on channel 203A, or a second adjacent channel to the proposed K205CO. However, a waiver of C.F.R. 74.1204 of the Commissions rules is hereby respectfully requested based on the fact that there is no-population within the area of predicted interference or the 100 dbμ interference contour.

The worse case interference contour for K205CO is 100 dbμ (F50,10). This contour with 10 watts ERP will extend 0.22 kilometers (220 meters). There are no normally occupied structures within 220 meters of the proposed tower site. The access to this site is limited to equipment service personnel that occasionally work at the tower site.

Figure 2 is the predicted 100 dbμ interference contour, which would be the worse case contour towards any second or third adjacent channel station. It shows that there will be zero persons located inside of this contour. Hence, there will not be any “actual” areas of interference.

Figure 3 is a more detailed interference study conducted against KCJX Carbondale, Colorado operating on channel 205C1, facility ID 85785. There is no prohibited overlap between these two facilities.

Figure 4 shows that the proposed 60 dBμ predicted contour will overlap with the current 60 dBμ contour of the licensed K205CO, BLFT-20110124.

Figure 5 shows the directional antenna data for the proposed K205CO.

Figure 6 is a tabulation of the distances to the pertinent contours for the modified operation of K205CO.

The new proposed operation of K205CO Copper Mountain, Colorado was found to meet all of the Commissions rules and regulations for an FM translator station.

FIGURE 1, DETAILED INTERFERENCE STUDY

K205CO COPPER MOUNTAIN, CO, CH. 205D

REFERENCE CH# 205D - 88.9 MHz, Pwr= 0.01 kW DA, HAAT= 345.9 M, COR= 3418 M DISPLAY DATES
39 36 17.0 N. Average Protected F(50-50)= 10.85 km DATA 02-15-11
106 21 31.0 W. Standard Directional SEARCH 02-15-11

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* (Overlap in km)	
205D Copper Mountain	K205CO *	LIC_VN CO	121.4 301.5	21.9 BLFT19970828TH	39 30 08.0 106 08 28.0	0.100 -348	18.6 2962	5.6 Cedar Cove Broadcasting, I	-1.4	6.4 *	
205D Copper Mountain	K205CO *	CP_DC_ CO	122.5 302.6	13.3 BPFT20101026AAC	39 32 26.0 106 13 42.0	0.020	49.5 3417	3.5 Cedar Cove Broadcasting, I	-40.1	-21.7 *	
205C1 Carbondale	KCJX	LIC_DEX CO	256.9 76.3	89.3 BLED20040907AAD	39 25 08.0 107 22 10.0	4.000 775	157.9 3227	70.8 Roaring Fork Public Radio,	-71.3 <	2.3	
203A Vail	KVJZ **	LIC_CX CO	278.9 98.8	7.9 BLED20091112AJH	39 36 56.0 106 26 57.0	5.000 -241	1.6 2730	15.0 Denver Educational Broadca	4.1	-7.1* **	
208C3 Breckenridge	NEW	CP_DCX CO	116.3 296.5	36.4 BNPED20071018AKW	39 27 35.0 105 58 46.0	0.285 498	1.2 3839	34.1 Summit Public Radio And Tv	32.4	2.1	
06NT Collbran	K06KJ	LI_DHN CO	254.0 73.0	144.0 BLTTV19941219JG	39 14 15.0 107 57 45.0	0.004 119	0.5 1863	7.6 Mesa County	8.0R	136.0M	
204A Breckenridge	KMPB	LIC_CX CO	113.1 293.3	30.8 BLED20090724ADM	39 29 44.0 106 01 44.0	0.300 -76	20.0 3246	7.4 Wren Communications, Inc.	8.7	5.5	
207D Breckenridge	K207CK	LIC_DVN CO	116.3 296.5	36.4 BLFT19990401TE	39 27 35.0 105 58 46.0	0.249 483	1.1 3822	29.9 Summit Public Radio And Tv	32.5	6.3	
06NT Manitou Springs	K06BI	LI_DHN CO	122.9 303.8	150.1 BLTTV1446	38 51 50.0 104 54 15.0	0.001 188	0.0 2012	17.1 City Of Manitou Springs	0.0R	150.1M	
205D Salida	K205CM	LIC_C_ CO	171.7 351.8	96.6 BLFT19950406TJ	38 44 37.0 106 11 50.0	0.100 263	82.6 3322	25.9 Educational Communications	12.6	62.6	
202D Breckenridge	K202CV	LIC_DC_ CO	116.3 296.5	36.4 BLFT20020828ABF	39 27 35.0 105 58 46.0	0.040 481	0.4 3820	18.9 Community Radio For Northe	33.2	17.4	
202D Breckenridge	K202CV	CP_DV_ CO	113.1 293.3	30.8 BPFT20100205ABF	39 29 44.0 106 01 44.0	0.250	0.9 3217	5.9 Community Radio For Northe	26.9	24.8	
206C3 Granby	KLLM	APP_VX CO	36.6 216.8	60.4 BMPED20101213AAF	40 02 24.0 105 56 11.0	7.000 -176	24.4 2523	16.4 Cedar Cove Broadcasting, I	27.5	33.2	
206D Leadville	K206AZ	LIC_C_ CO	173.0 353.0	41.4 BLFT20070627ACG	39 14 05.0 106 17 59.0	0.062	7.1 3083	5.0 Educational Media Foundati	32.9	34.5	
06 D Thomasville	K06OQ-D	CP_D_N CO	225.0 44.8	39.5 BDCCDTV20061027AFY	39 21 12.0 106 41 00.0	0.020 268	1.3 2666	2.4 Pitkin County Translator D	3.7R	35.8M	
205A Central City	KDAB	CP_VX CO	67.0 247.6	75.7 BMPED20100712ABL	39 52 01.0 105 32 37.0	0.005 489	8.5 3247	2.7 Cedar Cove Broadcasting, I	59.4	43.1	
206A Granby	KLLM	CP_DCX CO	36.6 216.8	60.4 BNPED20071018AXK	40 02 24.0 105 56 11.0	0.400 -174	4.8 2525	3.4 Cedar Cove Broadcasting, I	47.1	45.6	
202C3 Winter Park	1227487	APP_DCX CO	47.0 227.4	65.8 BNPED20071018BDM	40 00 23.0 105 47 38.0	10.000 -180	3.2 2745	18.1 Fraser Valley Community Me	54.8	47.5	
202A Idaho Springs	1205743	APP_DVX CO	76.1 256.6	60.2 BNPED20071019AIY	39 43 56.0 105 40 38.0	2.000 -195	1.6 3018	12.0 Clear Creek Radio, Inc	51.0	48.0	
202A Fraser	1212100	APP_CX CO	48.4 228.8	59.2 BNPED20071017AHY	39 57 23.0 105 50 22.0	1.000 45	1.6 2640	10.2 Rv Ministries, Inc.	51.7	48.8	
202D Aspen	K202AT	LIC_DEN CO	222.6 42.3	57.8 BLFT19870803TC	39 13 16.0 106 48 47.0	0.047 273	0.2 3192	3.9 Carbondale Community Acces	56.4	53.9	
06 D Aspen	K06HU-D	LI_D_N CO	224.2 43.9	58.7 BLDTV20100503ACZ	39 13 33.0 106 50 00.0	0.006 619	1.3 2882	3.0 Pitkin County Translator D	4.3R	54.4M	
203A Santa Maria	NEW	CP_DCX CO	104.6 285.1	60.8 BNPED20071017AHQ	39 27 54.0 105 40 31.0	0.500 -501	0.9 2722	3.9 Rv Ministries, Inc.	56.0	56.7	
207D Basalt	K207DT	LIC_DV_ CO	237.3 56.9	60.4 BLFT20081031ABH	39 18 37.0 106 56 53.0	0.028	0.4 2697	4.0 Pitkin County Translator D	58.9	56.3	
203D Basalt	K203EG	LIC_DH_ CO	246.3 65.8	69.1 BLFT20041105ALB	39 21 10.0 107 05 33.0	0.010	0.2 2546	7.3 Pitkin County Translator D	67.8	61.7	

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*	*OUT*
										(Overlap in km)	
207C2 Steamboat Springs	KLBV	LIC _VX CO		340.6 160.3	99.8 BLED20091125AGM	40 27 04.0 106 45 06.0	2.600 528	2.9 3146	36.0 Educational Media Foundati	86.9	63.6
206C3 Canon City	KTLC	LIC _CX CO		133.5 314.2	136.4 BLED20021001ABS	38 45 21.0 105 13 02.0	1.150 450	68.8 3175	45.5 Educational Communications	63.6	87.5
203D Basalt	K203EG	APP DH_ CO		246.5 66.0	69.8 BPFTT20030106ABE	39 21 10.0 107 06 06.0	0.010	0.2 2472	5.8 Pitkin County Translator D	68.5	64.0
205D West Glenwood Sprin	KCJX-FM1	LIC DV_ CO		266.9 86.3	82.7 BLFTB20051005AAR	39 33 37.0 107 19 12.0	0.099	2.5 2171	1.4 Roaring Fork Public Radio,	76.2	70.4
207C1 Denver	KUVO	LIC _CN CO		81.3 262.0	96.2 BLED19851022KD	39 43 49.0 105 14 59.0	22.500 278	4.9 2333	22.1 Denver Educational Broadca	84.5	73.9
202D Glenwood Springs	K202AB	LIC _HN CO		265.4 84.8	80.9 BLFT19920428TA	39 32 36.0 107 17 49.0	0.005 80	0.2 2465	2.7 Carbondale Community Acces	79.5	78.2
204C3 Gunnison	KGNI	CP _VX CO		201.6 21.3	128.5 BNPED20071019AHW	38 31 41.0 106 54 14.0	6.500 106	50.2 2639	30.2 Crested Butte Mountain Edu	78.4	88.3
205A Fort Collins	KRFC	LIC _EX CO		48.2 229.2	164.7 BLED20030324ADY	40 34 53.0 104 54 20.0	3.000 66	76.6 1596	24.6 Public Radio For The Front	79.6	114.9
06+T Glenwood Springs	K06LX	LI DHN CO		265.5 84.9	81.1 BLTTV19880613IB	39 32 38.0 107 17 59.0	0.019 633	0.5 2459	0.7 Rocky Mountain Public Broa	1.3R	79.9M
207D Glenwood Springs	K207EO	LIC DV_ CO		266.9 86.3	82.7 BLFT20090102ACN	39 33 37.0 107 19 12.0	0.099	0.4 2171	1.4 Roaring Fork Public Radio,	81.3	81.3
203A Steamboat Springs	KRNC	LIC _CX CO		336.5 156.2	104.0 BLED20060418ADQ	40 27 43.0 106 50 57.0	0.240 183	1.1 2528	22.2 Community Radio Of Norther	93.2	81.6
203D Redstone	K203EH	LIC DV_ CO		241.4 60.8	84.3 BLFT20041105AKV	39 14 20.0 107 13 01.0	0.010	0.1 2646	1.6 Pitkin County Translator D	83.2	82.7
207C1 Denver	KUVO	CP DCX CO		85.2 265.9	98.3 BPED20030728AJV	39 40 25.0 105 13 01.0	22.500 342	3.3 2363	13.1 Denver Educational Broadca	90.7	85.0
202A Pine	1212074	APP _CX CO		103.1 283.7	91.1 BNPED20071022AZK	39 24 56.0 105 19 40.0	0.100 21	0.7 2203	5.6 The North Fork Angling Soc	85.9	85.3
06NT Denver	KXDP-LP	LI D_N CO		69.0 249.7	97.6 BLTVL20100716ABT	39 54 48.0 105 17 33.0	3.000 879	4.0 2536	5.7 Syncom Media Group, Inc.	9.6R	87.9M
06NT Salida, Etc.	K06HF	LI DHN CO		171.7 351.8	96.6 BLTTV19780731JJ	38 44 37.0 106 11 50.0	0.021 868	0.5 3298	7.6 Chaffee County Tv Translat	8.0R	88.6M
204A Estes Park	KFCY	CP _VX CO		40.1 220.7	110.6 BMPED20101213AAE	40 21 44.0 105 31 04.0	0.100 -49	8.0 2664	5.6 Cedar Cove Broadcasting, I	94.1	94.0
202D Estes Park	K215BE	CP DH_ CO		41.7 222.2	102.9 BPFTT20101109ADF	40 17 34.0 105 33 05.0	0.110	0.7 2914	2.8 Cedar Cove Broadcasting, I	94.5	99.9
204C1 Manitou Springs	KCME	LIC _CY CO		126.1 307.0	160.8 BLED19990203KA	38 44 40.0 104 51 41.0	12.000 668	56.5 2918	35.4 Cheyenne Mountain Public B	99.7	95.1
06 D New Castle	K06GW-D	LI D_N CO		267.9 87.1	100.9 BLDTV20101013AAO	39 33 56.0 107 31 57.0	0.005 251	1.5 1940	2.8 Rocky Mountain Public Broa	4.2R	96.7M
203A Boulder	KGNU-FM	LIC DC_ CO		66.9 247.6	111.8 BLED20100528ADY	39 59 33.0 105 09 16.0	4.000 65	1.6 1732	14.2 Boulder Community Broadcas	103.7	97.4
205A Laramie	KAIW	LIC _CX WY		11.7 192.0	191.9 BLED20090220AAZ	41 17 46.0 105 53 30.0	1.150 197	79.9 2459	27.9 Educational Media Foundati	102.4	144.2
06 D Gunnison	K06HN-D	LI _N CO		201.6 21.3	128.5 BLDVL20091021ABQ	38 31 41.5 106 54 14.6	0.060 278	1.3 2636	20.4 Gunnison County Metropolit	21.7R	106.8M
206C1 Montrose	KVMT	LIC _CX CO		228.6 47.4	214.5 BLED20100929ADY	38 18 52.0 108 12 02.0	8.000 482	93.2 3092	63.1 North Fork Valley Public R	120.0	147.4
06 T Sargents	K06NG	CP _N CO		182.0 1.9	134.8 BDFCDTV20100212ABL	38 23 29.6 106 24 41.6	0.050 240	1.2 2794	10.2 Gunnison County Metropolit	11.4R	123.4M
202A Craig	KPYR	LIC _C_ CO		315.4 134.6	150.8 BLED20051021ACN	40 33 50.0 107 36 40.0	0.250 271	1.1 2283	23.9 Public Broadcasting Of Col	143.5	126.8
208A Woodland Park	KILE-FM	CP DVX CO		120.6 301.5	132.0 BMPED20100312ABN	38 59 36.0 105 02 48.0	0.100 -133	0.1 2592	2.4 Grace Public Radio	129.5	129.4
202C1 Montrose	KPRH	LIC _CN CO		220.4 39.6	176.8 BLED19981124KD	38 23 14.0 107 40 28.0	3.500 511	3.7 2890	46.2 Public Broadcasting Of Col	172.0	130.6

Page # 3											
CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap	*OUT* in km)
06NT Sargents	K06NG	LI CO	D_N	181.9 1.9	134.9 BLTTV20041115AAA	38 23 26.0 106 24 39.0	0.003 270	0.5 2823	1.6 Gunnison County	2.1R	132.8M
06NT Paonia	K06HZ	LI CO	DHN	234.5 53.7	138.3 BLTTV4112	38 52 34.0 107 39 29.0	0.064 390	0.5 2080	4.4 Hoak Media Of Colorado Lic	4.9R	133.4M
208C1 Grand Junction	KPRN	LIC CO	_C_	254.5 73.0	214.3 BLED200511108AFR	39 03 58.0 108 44 43.0	20.000 402	8.2 2195	80.5 Public Broadcasting Of Col	205.0	133.8
204A Red Feather Lakes	KUSZ	CP CO	_CX	23.2 203.6	152.9 BMPED20080408AAW	40 52 04.0 105 38 33.0	0.005 260	3.7 2927	2.7 Wren Communications, Inc.	140.3	135.8
202A Fort Collins	KGCO	LIC CO	_VX	37.6 218.2	142.7 BLED20060117AFJ	40 37 03.0 105 19 40.0	0.150 364	0.9 2552	6.4 Educational Media Foundati	136.0	136.1
205A Creede	KRIX	LIC CO	_CX	194.7 14.3	200.6 BLED20101221ADN	37 51 20.0 106 56 15.0	1.000 -364	35.6 2886	10.2 Educational Communications	163.8	182.9
202C1 Fort Morgan	1277517	APP CO	ZCX	79.4 260.9	207.6 BNPED20071019BCM	39 55 21.9 103 58 18.4	11.000 334	3.1 1815	39.3 The Helpline	197.4	168.1
204A South Greeley	KDNR	CP WY	DCX	33.8 214.6	201.1 BPED20090205ACH	41 06 02.0 105 01 29.0	1.900 129	17.7 2153	11.8 Western Inspirational Bro	175.0	170.1
202C1 Pueblo	KTPL	CP CO	DCX	149.3 330.1	201.2 BPED20100420AIP	38 02 31.0 105 11 10.0	2.200 642	2.3 3538	30.0 Educational Communications	198.0	171.1

Terrain database is USGS 03 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 = 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.

* Translator being modified by this application.

** No real life interference will occur to this station since the 100 DBU interference contour of the proposed K205CO will not cover any population. See the Technical Statement for further details.

FIGURE 2, PREDICTED 100 DBU INTERFERENCE CONTOUR
K205CO COPPER MOUNTAIN, CO, CH. 205D

Coverage Study - USGS 03 SEC
02-15-2011

K205CO.C CH205 D , 0.01 kW, 345.9M HAAT, 3418.0M COR AMSL
Interference Contour = 100 dBu. Population = 0

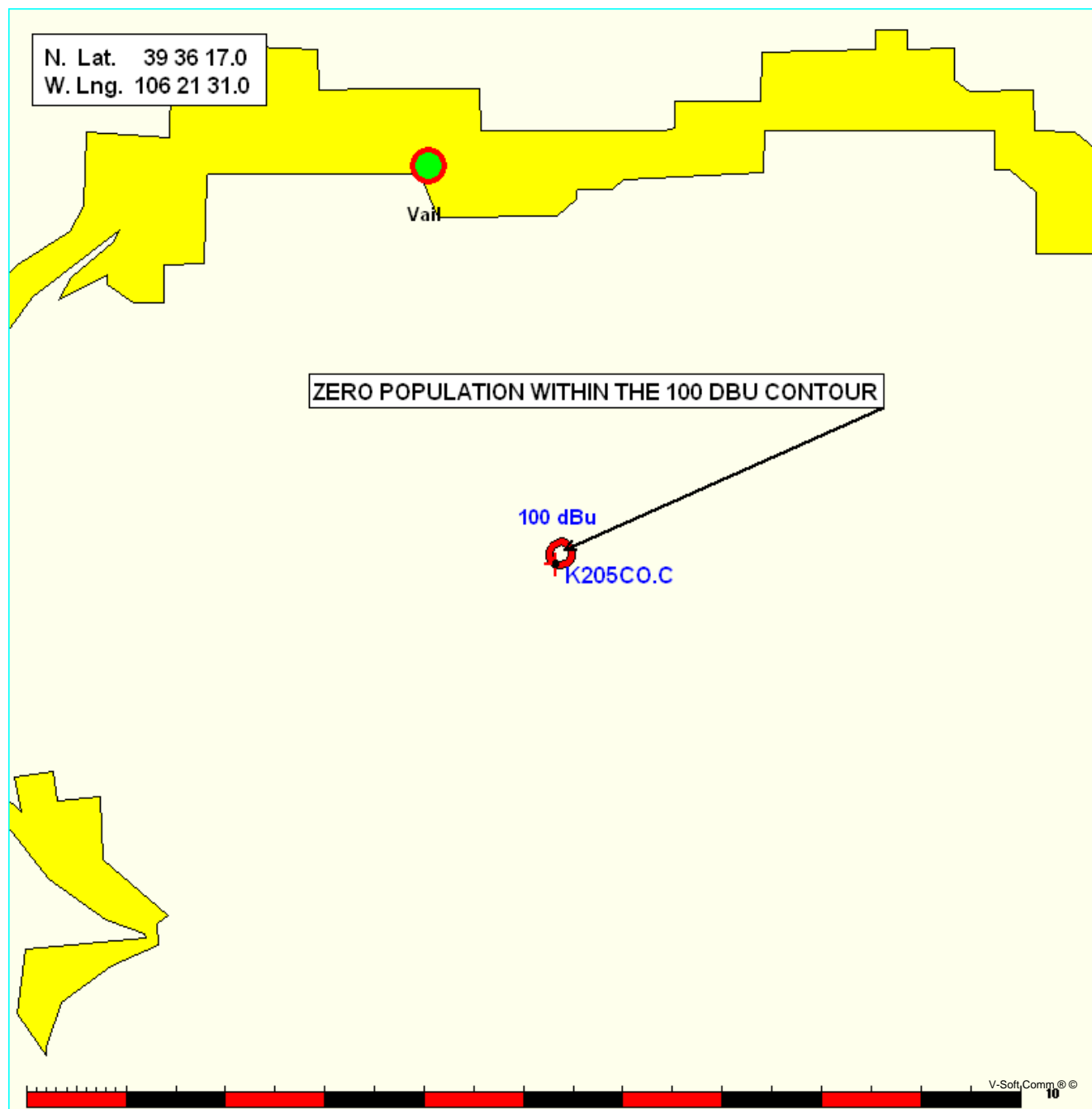


FIGURE 3, DETAILED INTERFERENCE STUDY WITH KCJX CH. 205C1
K205CO COPPER MOUNTAIN, CO, CH. 205D

FMCommander Single Allocation Study - 02-15-2011 - USGS 03 SEC
K205CO.C's Overlaps (In= -71.31 km, Out= 2.34 km)

K205CO.C CH 205 D DA
Lat= 39 36 17.0, Lng= 106 21 31.0
0.01 kW 345.9 M HAAT, 3418 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KCJX CH 205 C1 DA BLED20040907AAD
Lat= 39 25 08.0, Lng= 107 22 10.0
4.0 kW 775 M HAAT, 3227 M COR
Prot.= 60 dBu, Intef.= 40 dBu

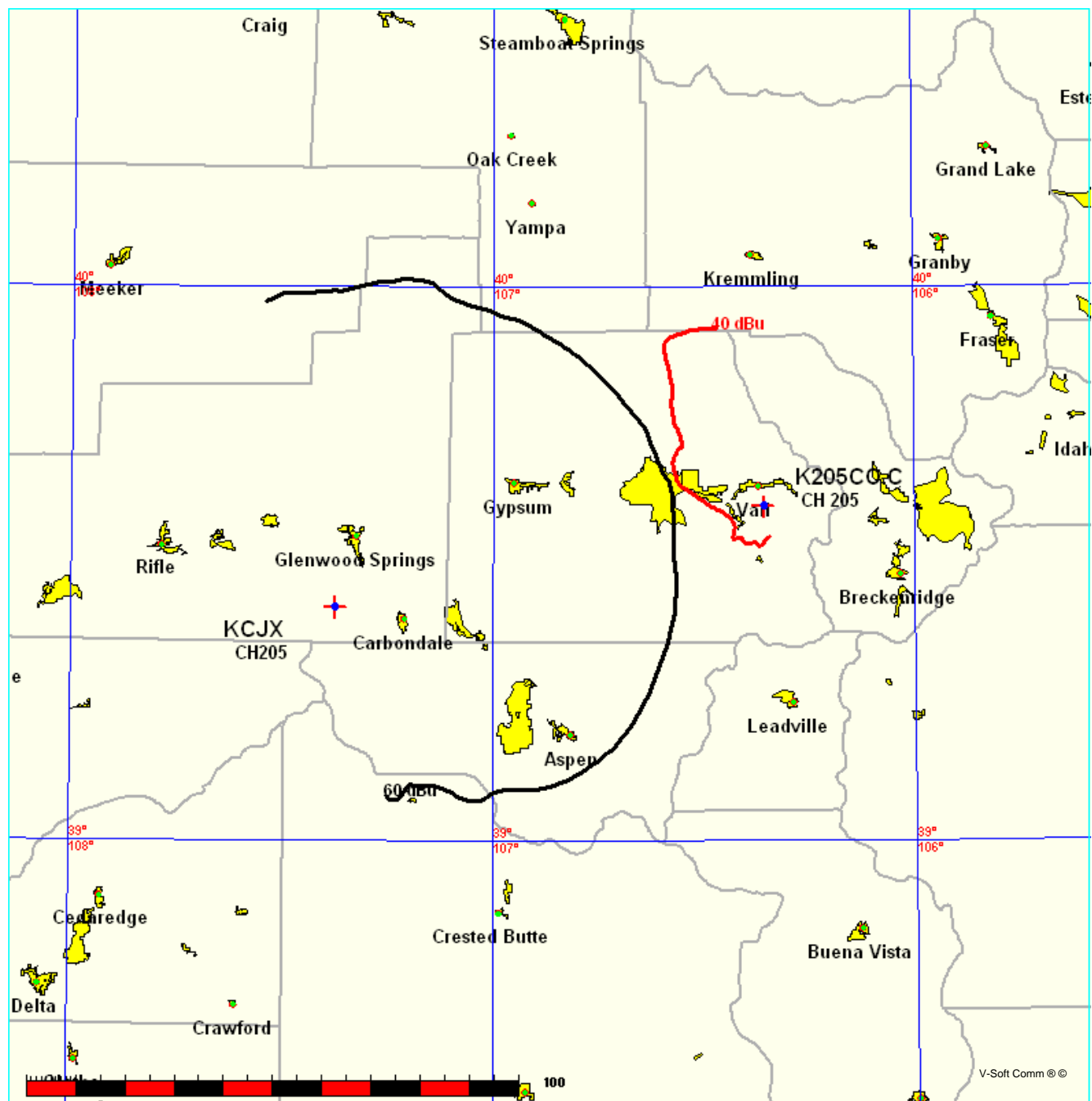


FIGURE 4, PRESENT AND PROPOSED 60 DBU CONTOURS
K205CO COPPER MOUNTAIN, CO, CH. 205D

Coverage Study - USGS 03 SEC
02-15-2011

K205CO.C CH205 D , 0.01 kW, 345.9M HAAT, 3418.0M COR AMSL
Service Contour = 60 dBu. Population = 710

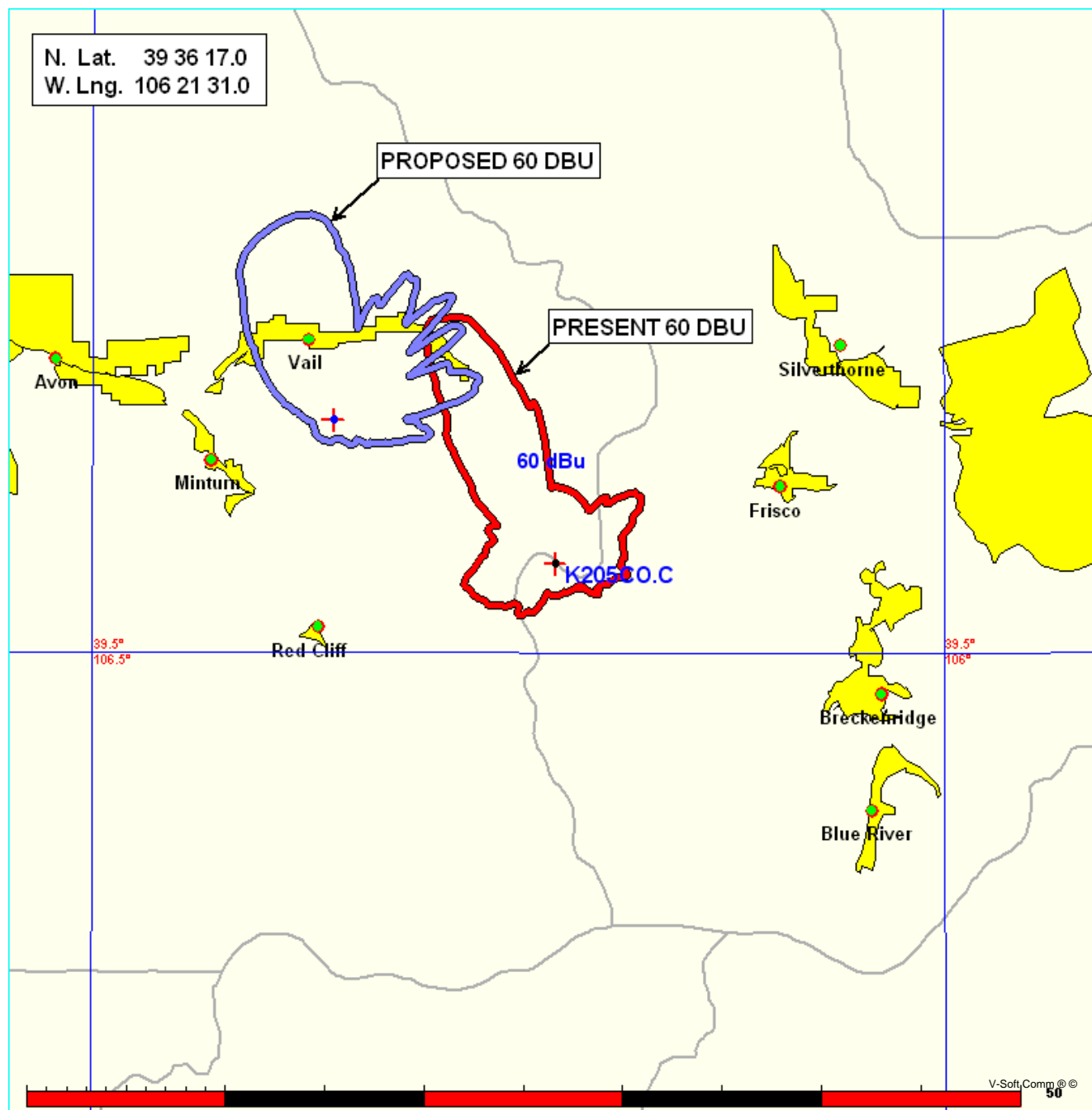


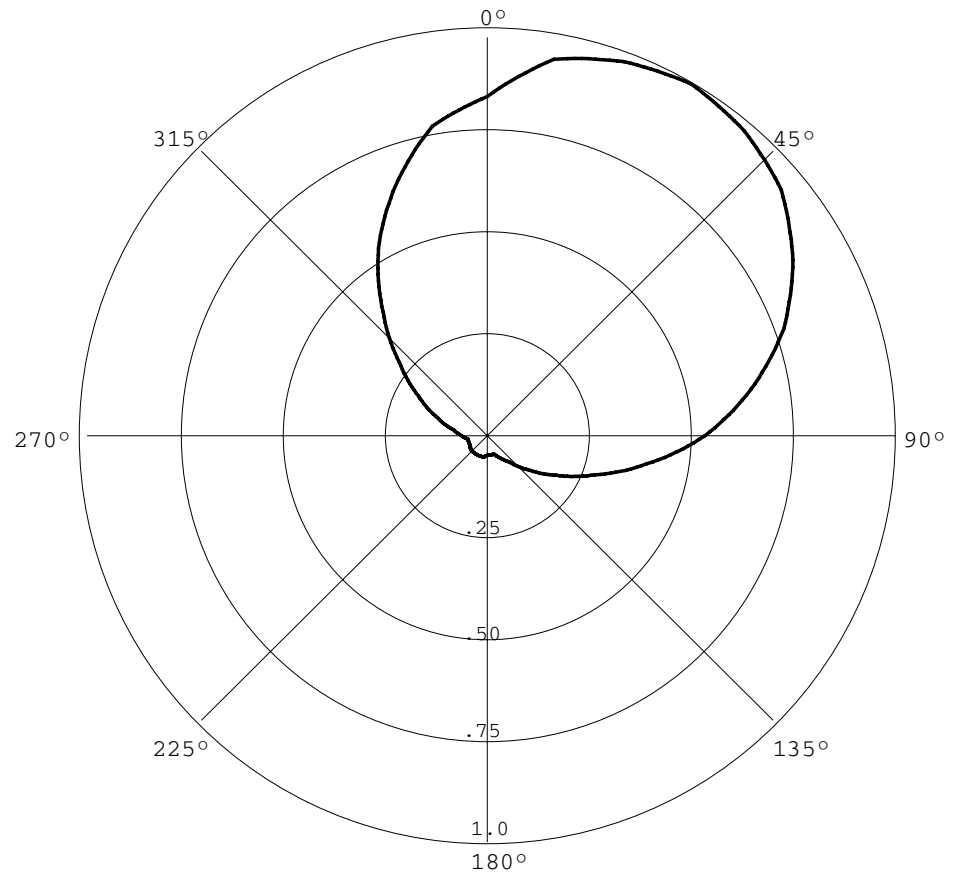
FIGURE 5, Directional Antenna Data
K205CO Copper Mountain, CO
Nicom Model BKY-3/P directional yagi antenna

02-15-2011

RMS(V) = .51

Graph is Relative Field

Azi	Field	dBk	kW
000	0.865	-21.3	0.007
010	0.941	-20.5	0.009
020	0.980	-20.2	0.010
030	1.000	-20.0	0.010
040	0.980	-20.2	0.010
050	0.941	-20.5	0.009
060	0.865	-21.3	0.007
070	0.774	-22.2	0.006
080	0.656	-23.7	0.004
090	0.533	-25.5	0.003
100	0.397	-28.0	0.002
110	0.281	-31.0	0.001
120	0.194	-34.2	0.000
130	0.130	-37.7	0.000
140	0.084	-41.5	0.000
150	0.063	-44.0	0.000
160	0.048	-46.4	0.000
170	0.048	-46.4	0.000
180	0.048	-46.4	0.000
190	0.053	-45.5	0.000
200	0.053	-45.5	0.000
210	0.053	-45.5	0.000
220	0.053	-45.5	0.000
230	0.053	-45.5	0.000
240	0.048	-46.4	0.000
250	0.048	-46.4	0.000
260	0.048	-46.4	0.000
270	0.063	-44.0	0.000
280	0.084	-41.5	0.000
290	0.130	-37.7	0.000
300	0.194	-34.2	0.000
310	0.281	-31.0	0.001
320	0.397	-28.0	0.002
330	0.533	-25.5	0.003
340	0.656	-23.7	0.004
350	0.774	-22.2	0.006



Contour.out

N. Lat. = 393617.0 W. Lng. = 1062131.0
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - USGS 03 SEC

FIGURE 6, TABULATION OF DISTANCE TO CONTOURS, K205C0

Azi.	AV EL	HAAT	dBk	60-F5	40-F1	100-F1
000	3119.8	298.2	-21.57	9.18	30.56	0.19
010	3306.2	111.8	-20.53	6.00	19.81	0.21
020	3298.6	119.4	-20.18	6.32	20.98	0.22
030	3238.4	179.6	-20.00	7.78	26.24	0.22
040	3269.9	148.1	-20.18	6.98	23.48	0.22
050	3325.5	92.5	-20.53	5.45	17.71	0.21
060	3353.5	64.5	-21.26	4.34	13.62	0.19
070	3257.7	160.3	-22.23	6.45	21.77	0.17
080	3188.0	230.0	-23.66	7.02	24.04	0.15
090	3344.4	73.6	-25.47	3.61	11.48	0.12
100	3221.4	196.6	-28.02	4.90	16.81	0.09
110	3283.2	134.8	-31.03	3.36	11.22	0.06
120	3319.4	98.6	-34.24	2.41	8.00	0.04
130	3342.2	75.8	-37.72	1.75	5.76	0.03
140	3332.5	85.5	-41.51	1.61	4.93	0.02
150	3270.7	147.3	-44.01	1.40	5.56	0.01
160	3184.8	233.2	-46.38	1.06	5.91	0.01
170	3134.2	283.8	-46.38	1.06	6.46	0.01
180	2979.2	438.8	-46.38	1.06	7.54	0.01
190	3024.4	393.6	-45.51	1.18	7.81	0.01
200	2987.3	430.7	-45.51	1.18	8.08	0.01
210	2973.9	444.1	-45.51	1.18	8.17	0.01
220	2857.5	560.5	-45.51	1.18	8.72	0.01
230	3047.9	370.1	-45.51	1.18	7.64	0.01
240	3070.3	347.7	-46.38	1.06	6.97	0.01
250	3045.2	372.8	-46.38	1.06	7.14	0.01
260	2826.7	591.3	-46.38	1.06	8.23	0.01
270	2641.7	776.3	-44.01	1.40	10.93	0.01
280	2465.9	952.1	-41.51	1.83	15.27	0.02
290	2642.6	775.4	-37.72	2.76	19.22	0.03
300	2837.0	581.0	-34.24	3.90	20.67	0.04
310	2957.6	460.4	-31.03	5.17	22.35	0.06
320	2878.5	539.5	-28.02	6.97	28.87	0.09
330	2759.9	658.1	-25.47	9.18	38.65	0.12
340	2894.7	523.3	-23.66	9.89	37.44	0.15
350	3001.7	416.3	-22.23	10.21	35.73	0.17

Ave EI = 3074.51 M HAAT= 343.49 M AMSL= 3418