TECHNICAL STATEMENT AND WAIVER REQUEST
K288EX LAKEWOOD, CO
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
APRIL 2010

This Technical Statement and Waiver Request is in support of a minor change application, FCC form 349, being filed on behalf of Mountain Community Translators, LLC ("MCT") in regards to its recently acquired FM translator, K288EX Lakewood, Colorado, facility ID 140231.

Upon consummation of the assignment of K288EX Lakewood from Skandia, LLC (the prior licensee), it was discovered that the translator transmitter final output stage had failed and was producing less then 1 watt of output power. Also, as part of this assignment, the input station was switched from K245AD Arvada, Colorado, facility ID 140240, which retransmits KJAC Timnath, Colorado, facility ID 38345, to KLDV Morrison, Colorado, facility ID 12354. The transmitter was restored to its licensed output of 0.030 Kilowatts.

However, with these changes, the new licensee, MCT is now receiving numerous complaints of interference being generated against KJAC Timnath, Colorado, facility ID 38345, which operates on channel 288C1, or co-channel with the licensed operation of K288EX. MCT believed this interference was not recognized previously, as the output of the translator was not at maximum, and that the input station that was being rebroadcast by K288EX was KJAC, or the same station now receiving interference complaints by K288EX.

While using standard FCC prediction methods, the 40 dBµ (F50,10) Interference contour of the current licensed operation of K288EX, does not overlap with the co-channel operation of KJAC. However, because of unusual terrain roughness in this area of Colorado, there is substantial co-channel overlap between K288EX and KJAC. Figure 1 attached shows a Desired/Undesired signal prediction map utilizing the Longley-Rice alternate signal prediction methods. It clearly shows that the two facilities have signal strengths nearly the same within many areas in the K288EX coverage area.

Because of many interference complaints received by MCT, it was decided to temporarily cease broadcasting by K288EX. A Special Temporary Authority was filed by MCT on February 28th, 2010, BLSTA-20100218ADT, to remain silent until the interference issue can be solved.

After some technical research conducted by MCT, it was determined that it will be impossible to eliminate the interference being caused to KJAC without limiting the operation of K288EX to the point it would no longer cover any meaningful population. A channel study was conducted on the three adjacent, and I.F. spaced channels. None of these channels would be available for use by K288EX. Channels 285, 286 and 287 are precluded because the transmitter site for K288EX is located inside the protected 60 dBµ contour of KXKL-FM Denver, Colorado on channel 286C, facility ID 59959. Channel 289, 290 and 291 are precluded because the transmitter site for K288EX is located inside of the protected 60 dBu contour of KALC(FM) Denver, Colorado on channel 290C, facility ID 59601. I.F. channels 234 and 235 are precluded because the transmitter site for K288EX is located inside of the protected 60 dBµ of KRKS-FM Lafayette, Colorado, on channel 234C, facility ID 58631.

It was determined that non-adjacent channel 229D could be utilized at the current K288EX transmitter site an not cause any interference to any licensed or authorized stations, with the exception of the licensed operation of KTCL Wheat Ridge, Colorado, on second adjacent channel 227C1, facility 68684. However, it will be shown that no actual interference will occur to KTCL, there are no persons residing inside of the potential area of interference. Thus, it was determined that channel 229D could be utilized by K288EX Lakewood.

REQUEST FOR WAIVER OF 74.1233(a)(1)

MCT, the licensee of Station K288EX Lakewood, Colorado, hereby requests that the Commission waive the provisions of the Section 74.1233(a)(1) of the Commission's Rules that would otherwise consider a relocation to a channel, other than a first, second, or third adjacent channel or an IF channel, to be a "major change" which would require the opening of a window before an application could be filed. In support of the waiver request, MCT makes the following showing:

1) MCT has sought to file a modification application that is in accord with the Commission's minor change rules. However, MCT has been unable to do so and is, therefore, seeking the instant waiver.
2) As evidenced in the showing contained in this Technical Statement and attached exhibits, there are simply no available channels that would allow MCT to comply with the applicable provisions of Section 74.1233. Each of the adjacent channels and the I.F. channels are precluded because of interference that would occur to other stations on those channels. The best

available channel is Channel 229 and that channel has been selected for this application.

3) Station K288EX can longer operate on channel 288. As evidenced in Figure 1, there is severe interference being caused to and received from KJAC Timnath. Therefore, unless K288EX can transition to another channel, the impact of the service provided by KJAC would be to likely ultimately cause the permanent termination of the operations of K288EX. In that K288EX provides a valuable program service to the community of Lakewood, by retransmitting the signal of KLDV Morrison, Colorado, listeners in Lakewood should not lose the service and only a waiver of Section 74.1233(a)(1) will permit K288EX's broadcast service to remain in operation.

4) A waiver of the rules to allow K288EX to migrate to Channel 229, will enable K288EX to continue to operate and is in the best interest of the Station and its listeners. Accordingly, the public interest would be well served by treating the requested channel change as a minor change, given the unique circumstances attendant to this request, involving a displaced translator station and otherwise unavailable channels to migrate to. On the basis of the unique circumstances presented and that the public interest is well-served by a waiver of the major change rule in order to permit Station K288EX to continue to serve the public, MCT urges that it has overcome the high hurdle for waiver requests and is entitled to the waiver it is seeking. *See WAIT Radio v. FCC,* 418 F.2d 1153 (D.C. Cir. 1969), *cert denied,* 409 U.S. 1027(1972).

TECHNICAL STUDY FOR OPERATION ON CHANNEL 229D

MCT is proposing to remain at its existing site located at N. 39°-43'-46", W. 105°-14'-08", NAD 27, with an increased Effective Radiated Power of 99 Watts and replace the current Nicom BLD-1, one bay antenna, with a Nicom BKG-77, one bay, circular polarized, directional antenna. The antenna will be mounted at the 11 meter level on a 12 meter overall tower, with a Center of Radiation at 2246 Above Mean Sea Level. This is at the same level and heights as the currently licensed operation of K288EX. It also seeks to change channels from 288D to 229D.

Figure 2 shows a channel interference study conducted from the current site for K288EX. It shows that the proposed operation of K288EX on channel 229D, will not cause any prohibited outgoing interference to any licensed or proposed FM services, with the exception of KTCL(FM) Wheat Ridge, Colorado operating on channel 227C1, facility ID 68684 . The proposed operation of K288EX on 229D is located within the protected 60 dBµ contour of 2nd adjacent station KTCL. Figure 3 shows the predicted F(50-50) field strength of KTCL at the proposed K288EX transmitter site is 133 dBµ. Therefore, the respective predicted interfering contour F(50-10) generated by the proposed K288EX on channel 229D is an additional 40 dBµ or 173 dBµ.

Figure 4 shows that there is no population in the area of interference. Plus, this proposed interference contour (173 dBµ) will only extend 0.2 meters from the antenna, thus it will not reach the ground with a center of radiation 11 meters above the ground. The applicant, Mountain Community Translators, LLC, respectfully requests a waiver of C.F.R. 74.1204(d) of the Commission's rules based on the fact that there is no population

within the area of predicted interference. There are no homes nearby the proposed existing tower site, which is a privately owned 1 acre square wooded area, with private access. The transmitter building is uninhabited and does not have indoor plumbing.

Figure 5 shows a detailed interference study conducted against a pending application for KIIQ Limon, Colorado, facility ID 85056, on channel 229C1, BPH-20070313ABN. Recorded number 1 of the interference study at Figure 2, shows that the proposed operation of K288EX would overlap with the proposed allotment point for KIIQ Limon, CO on channel 229C1, but this is only a proposed allotment point. The associated pending minor change application as mentioned above will not receive any proposed interference from K288EX.

Figure 6 shows a detailed interference study conducted against K229AC Ward, Colorado, facility ID 6514.

Figure 7 shows a detailed interference study conducted against a pending translator application at Berthoud, Colorado on channel 229D, facility ID 140249.

Figure 8 shows the proposed 60 dbμ of K288EX will be completely contained inside of the current 60 dbμ predicted coverage contour of the station being rebroadcast, KLDV Morrison, Colorado on channel 216C0, facility ID 12354. The proposed operation of K288EX will be considered a “fill-in” translator for KLDV, thus some of the maximum allowable ERP limits on some of the pertinent radials will be exceeded. However, the maximum ERP on any radial will not exceed 99 watts, thus this proposed operation is in compliance with 74.1235(a).

Figure 9 shows the antenna polar plot of the proposed directional antenna.

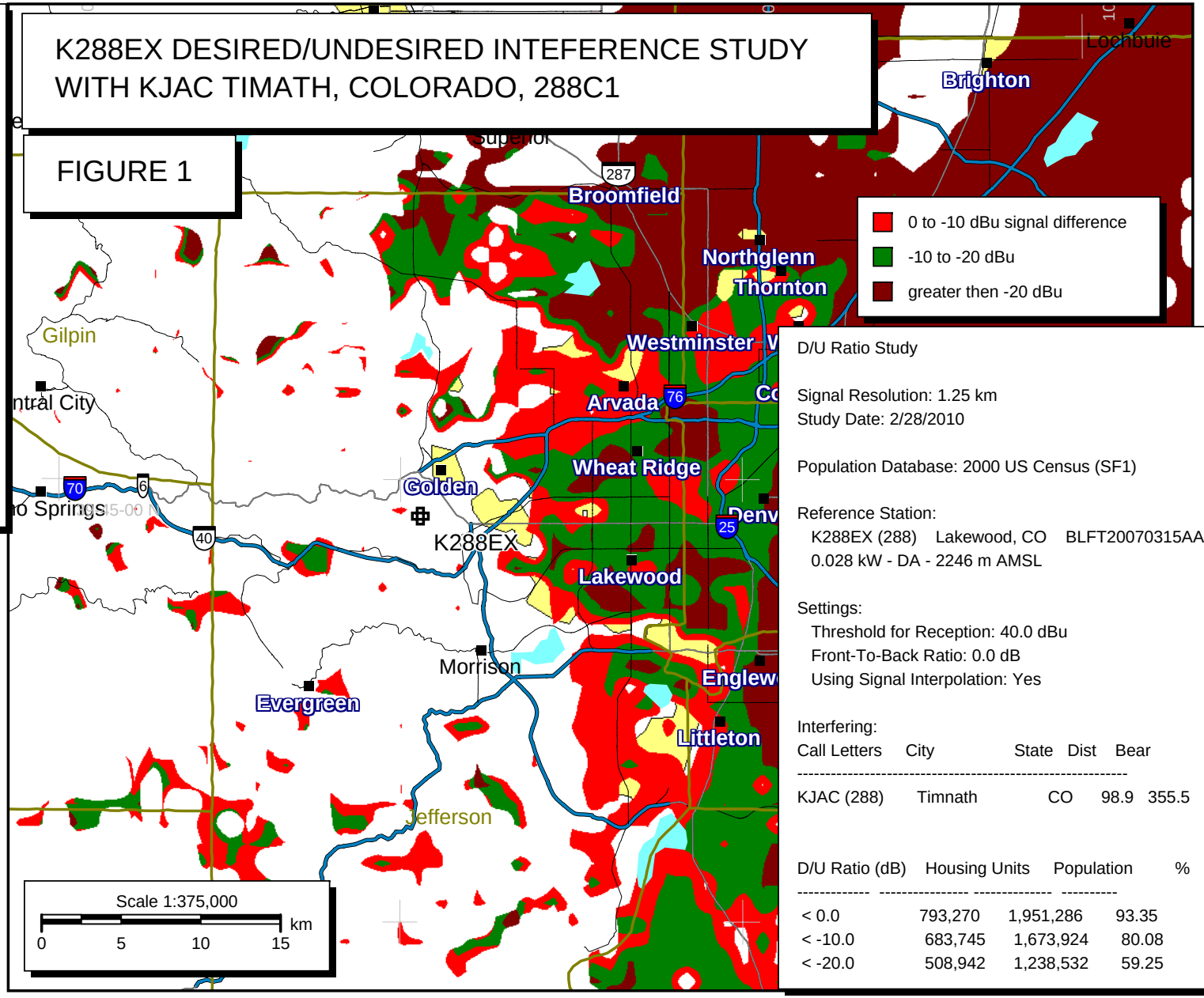
Figure 10 is a tabulation of the pertinent distances to contours for the proposed operation of K288EX on channel 229D.

It was concluded that the new proposed operation of K288EX Lakewood, Colorado on channel 229D will not cause any harmful interference to any existing stations, and will be in full compliance with the commission’s rules.

K288EX
BLFT20070315AAE
Latitude: 39-43-46 N
Longitude: 105-14-08 W
ERP: 0.028 kW
Channel: 288
Frequency: 105.5 MHz
AMSL Height: 2246.0 m
Elevation: 2235.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 9.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

K288EX DESIRED/UNDESIRED INTEFERENCE STUDY WITH KJAC TIMATH, COLORADO, 288C1

FIGURE 1



D/U Ratio Study

Signal Resolution: 1.25 km
Study Date: 2/28/2010

Population Database: 2000 US Census (SF1)

Reference Station:
K288EX (288) Lakewood, CO BLFT20070315AAE
0.028 kW - DA - 2246 m AMSL

Settings:
Threshold for Reception: 40.0 dBu
Front-To-Back Ratio: 0.0 dB
Using Signal Interpolation: Yes

Interfering:

Call Letters	City	State	Dist	Bear
KJAC (288)	Timnath	CO	98.9	355.5

D/U Ratio (dB)	Housing Units	Population	%
< 0.0	793,270	1,951,286	93.35
< -10.0	683,745	1,673,924	80.08
< -20.0	508,942	1,238,532	59.25

FIGURE 2, DETAILED INTERFERENCE STUDY
K288EX LAKEWOOD, CO, CHANNEL 229D

REFERENCE CH# 229D - 93.7 MHz, Pwr= 0.099 kW DA, HAAT= 0.0 M, COR= 2246 M DISPLAY DATES
39 43 46.0 N. Average Protected F(50-50)= 5.62 km DATA 04-03-10
105 14 08.0 W. Standard Directional SEARCH 04-03-10

CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
229C1 KIIQ *	RSV ___	106.1	138.1	39 22 34.0	100.000	169.0	70.9	-53.5*<	-4.3<	*
Limon	CO	287.1		103 41 43.0	299	1996	Percheron Associates, Llc			
227C1 KTCL **	LIC DCX	353.2	0.4	39 43 59.0	71.000	5.6	49.1	-18.7*<	-49.1*<	**
Wheat Ridge	CO	173.2	BLH20070621AQR	105 14 10.0	346	2256	Jacor Broadcasting Of Colo			
229C1 KIIQ	APP NCX	106.1	138.1	39 22 34.0	100.000	158.6	62.6	-43.0*<	3.9	
Limon	CO	287.1	BPH20070313ABN	103 41 43.0	205	1901	Percheron Associates, Llc			
229D K229AC	LIC _E_	318.2	36.4	39 58 22.0	0.028	28.5	15.0	0.1	2.4	
Ward	CO	138.0	BLFT20061218ACR	105 31 13.0		2655	Boulder Community Broadcas			
229D 631534	APP DE_	15.0	58.7	40 14 24.0	0.100	16.8	5.5	26.4	1.9	
Berthoud	CO	195.1	BNPFT20030312ADC	105 03 23.0		1637	Educational Communications			
230A KYSL	LIC _CN	255.9	77.9	39 33 22.0	0.560	60.3	43.0	9.2	28.4	
Frisco	CO	75.4	BLH19940808KA	106 06 53.0	324	3549	Krystal Broadcasting, Inco			
231D K231AA	LIC _CN	0.2	26.2	39 57 54.0	0.205	1.0	6.7	10.6	19.1	
Boulder	CO	180.2	BLFT19960111TK	105 14 05.0	-133	1719	Citicasters Licenses, Inc.			
230C3 KRKU	APP NCX	18.1	84.9	40 27 19.0	14.500	57.9	39.1	11.4	22.9	
Loveland	CO	198.3	BPH20100302ACE	104 55 25.0	131	1621	Laramie Mountain Broadcast			
229D 631407	APP _C_	155.8	81.6	39 03 31.0	0.250	23.8	7.1	37.2	12.6	
Monument	CO	336.1	BNPFT20030310AVZ	104 50 54.1		2103	Way-fm Media Group, Inc.			
229C2 KSBV	LIC _CX	205.4	157.4	38 26 47.0	1.000	132.5	59.7	12.8	77.9	
Salida	CO	24.9	BLH20020828AAQ	106 00 37.0	830	3572	Arkansas Valley Broadcasti			
230C3 KRKU	RSV ___	15.3	87.9	40 29 33.0	25.000	59.1	39.4	13.0	26.5	
Loveland	CO	195.5		104 57 41.0	100	1606	Laramie Mountain Broadcast			
232C KILO	LIC _C_	163.5	113.9	38 44 44.0	79.000	16.3	97.7	80.6	15.5	
Colorado Springs	CO	343.7	BLH20070426AAL	104 51 42.0	670	2922	Colorado Springs Radio Bro			
230D 630344	APP _C_	47.4	55.9	40 04 05.0	0.170	15.8	11.1	21.2	17.3	
Fort Lupton	CO	227.8	BNPFT20030317AZW	104 45 08.0		1611	Horizon Christian Fellowsh			
230D 644473	APP _C_	43.5	60.8	40 07 28.1	0.115	17.0	11.6	25.1	22.4	
Fort Lupton	CO	223.9	BNPFT20030317GEL	104 44 36.1		1630	Radio Assist Ministry, Inc			
230A KRKU	LIC NCX	3.1	85.0	40 29 37.0	0.300	47.0	30.4	24.0	32.3	
Loveland	CO	183.1	BLH20100302ABS	105 10 53.0	319	2098	Laramie Mountain Broadcast			
230D 631674	APP _C_	164.2	63.9	39 10 33.0	0.010	14.4	13.6	30.1	24.4	
Westcreek	CO	344.4	BNPFT20030310BGE	105 02 03.1		2823	Way-fm Media Group, Inc.			
229D 637466	APP _C_	2.0	90.8	40 32 46.8	0.010	47.0	12.8	28.8	27.3	
Fort Collins	CO	182.1	BNPFT20030317CVW	105 11 50.0		2188	Radio Assist Ministry, Inc			
229C1 KRAI-FM	LIC _CN	295.8	223.0	40 34 35.0	100.000	178.4	76.3	36.0	132.6	
Craig	CO	114.3	BLH6997	107 36 29.0	299	2315	Wild West Radio, Inc.			
230D K230BA	LIC DV_	341.1	74.2	40 21 38.0	0.250	23.5	15.5	37.1	46.3	
Estes Park	CO	160.9	BLFT20091211AGE	105 31 12.0		2734	Cedar Cove Broadcasting, I			
232D K230BA	APP DV_	336.9	68.1	40 17 34.0	0.250	1.0	22.2	60.4	45.5	
Estes Park	CO	156.7	BPFT20100104ABT	105 33 05.0		2917	Cedar Cove Broadcasting, I			
229C3 KAZY-FM	LIC _CX	16.2	162.7	41 08 04.0	25.000	99.8	27.8	46.9	88.3	
Cheyenne	WY	196.6	BLH20060615AAH	104 41 32.0	35	1859	Freisland Broadcasting Cor			
229D 629875	APP DE_	163.5	113.9	38 44 43.0	0.010	2.2	13.5	91.8	47.3	
Colorado Springs	CO	343.7	BNPFT20030312AJI	104 51 39.0		2718	Educational Communications			
228D K228EM	LIC _C_	170.0	83.7	38 59 12.0	0.015	16.8	11.6	48.8	57.9	
Woodland Park	CO	350.1	BLFT20070823AEI	105 04 04.0		2774	Cheyenne Mountain Public B			
230D 631544	APP DE_	3.1	84.9	40 29 36.0	0.010	9.0	11.3	62.0	52.7	
Windsor	CO	183.1	BNPFT20030312ADM	105 10 52.0		2078	Educational Communications			
230D 644477	APP _C_	2.0	90.8	40 32 46.8	0.010	19.9	12.8	56.0	55.5	
Fort Collins	CO	182.1	BNPFT20030317GEQ	105 11 50.0		2188	Radio Assist Ministry, Inc			

CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT*
230D 631577	APP DE_	30.1	84.9	40 23 19.0	0.050	1.0	5.8	66.7	56.6
Greeley	CO	210.5	BNPFT20030312AWW	104 43 56.0		1528	Educational Communications		
227D 652035	APP _C_	245.3	70.3	39 27 48.0	0.008	0.2	7.9	64.5	61.7
Breckenridge	CO	64.8	BNPFT20030317MPR	105 58 41.0		3752	Mitchell A. Beranek		
229A KIIQ	LIC _CX	110.7	142.7	39 16 00.0	1.000	35.6	10.2	84.8	62.5
Limon	CO	291.7	BLH20041025AEJ	103 41 15.0	-32	1649	Percheron Associates, Llc		
231D 649226	APP _C_	91.4	88.4	39 42 19.0	0.200	1.0	8.9	64.5	78.8
Byers	CO	272.1	BNPFT20030312ARO	104 12 18.0		1705	Frank G. Mccoy		
227D 634531	APP DH_	245.0	70.6	39 27 35.0	0.070	0.5	0.9	64.7	69.0
Breckenridge	CO	64.6	BNPFT20030311AOY	105 58 46.0		3822	Krystal Broadcasting		
230D 650170	APP _C_	11.5	97.0	40 35 08.0	0.250	10.1	7.1	71.5	67.1
Timnath	CO	191.6	BNPFT20030317IUB	105 00 23.0		1520	Educational Media Foundati		
229A KYOY	APP NCX	17.2	166.7	41 09 40.0	6.000	76.9	25.7	73.8	90.7
Hillsdale	WY	197.6	BPH20100301ADY	104 38 46.0	71	1872	Kimball Radio, Llc		
229A KYOY	RSV ___	21.0	176.8	41 12 45.0	6.000	85.0	29.3	75.4	96.4
Hillsdale	WY	201.5		104 28 36.0	100	1830	Kimball Radio, Llc		
228D K228AG	LIC DHN	237.8	96.3	39 15 54.0	0.107	10.4	9.0	79.1	80.3
Leadville	CO	57.2	BLFT19790511IC	106 10 54.0	546	4011	Lake County Tv-fm, Inc		
232C3 KMAX-FM	LIC _CX	3.3	133.3	40 55 41.0	8.700	4.9	51.1	113.6	81.9
Wellington	CO	183.4	BLH20021101AAV	105 08 36.0	168	2131	Regent Broadcasting Of Ft.		
226D K226AH	LIC DVN	264.6	104.4	39 38 05.0	0.150	0.9	19.7	98.2	84.1
Frisco	CO	83.8	BLFT19980717TD	106 26 47.0	72	2978	Krystal Broadcasting, Inc.		
227D 651528	APP _C_	158.5	108.6	38 49 08.0	0.140	0.8	6.1	89.2	101.8
Cimmaron Hills	CO	338.8	BNPFT20030317MCX	104 46 32.0		1900	Educational Media Foundati		
227D 629882	APP DE_	163.5	113.9	38 44 43.0	0.010	0.0	4.2	98.3	109.0
Colorado Springs	CO	343.7	BNPFT20030312AJS	104 51 39.0		2718	Educational Communications		
226C3 1170083	APP _HX	313.8	153.7	40 40 42.0	25.000	6.1	53.5	143.5	99.8
Walden	CO	133.0	BNPH20070125ACD	106 33 00.0	14	2727	Laramie Mountain Broadcast		
231C2 KEZZ	LIC NCX	300.3	143.0	40 22 03.0	1.750	2.7	41.5	135.9	101.0
Phippsburg	CO	119.3	BLH20090522ACV	106 41 28.0	380	3107	Youngers Colorado Broadcas		
228C3 KVVQ	CP _CX	253.3	155.1	39 18 56.0	21.000	33.5	57.2	113.4	115.0
Aspen	CO	72.2	BNPH20070501AAQ	106 57 32.0	109	2682	Bs&t Wireless, Inc.		
228A AU7052710	VAC ___	246.7	148.8	39 11 24.0	6.000	23.5	15.8	117.6	125.1
Aspen	CO	65.7	RM9994	106 49 06.0	100	3078	Roaring Forks Broadcasting		
226C3 AL7155	VAC ___	315.1	153.7	40 42 01.0	25.000	6.7	0.0	142.9	153.3
Walden	CO	134.2	RM11387	106 31 21.0	100	2758	Laramie Mountain Broadcast		
228L1 KOCA-LP	LIC ___	350.6	178.3	41 18 48.0	0.100	8.0	5.6	155.9	154.0
Laramie	WY	170.4	BLL20021223AAQ	105 35 00.0		2218	La Radio Montanesa: Voz De		
231C KKXK	LIC _CY	234.1	259.2	38 20 16.0	100.000	15.1	92.8	238.6	165.8
Montrose	CO	52.6	BLH19961009KC	107 38 23.0	574	3094	Ccr-montrose Iv, Llc		

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.
Reference station has protected zone issue: AM tower

* This record is an allotment point only for a proposed operation of KIIQ Limon, Colorado on channel 229C1. The associated minor change application for KIIQ on channel 229C1 will be protected (as seen at record number three below).

** Actual interference will not occur towards KTCL on second adjacent channel 227 as there are no persons living inside of the proposed interference contour. See Technical Statement for a more detailed interference study.

FIGURE 3, KTCL 133 DBU CONTOUR AT THE K288EX SITE
K288EX LAKEWOOD, CO, CH. 229D

Coverage Study - USGS 03 SEC
03-01-2010

KTCL CH227 C1, 71.0 kW, 346.0M HAAT, 2256.0M COR AMSL
Service Contour = 133 dBu. Population =

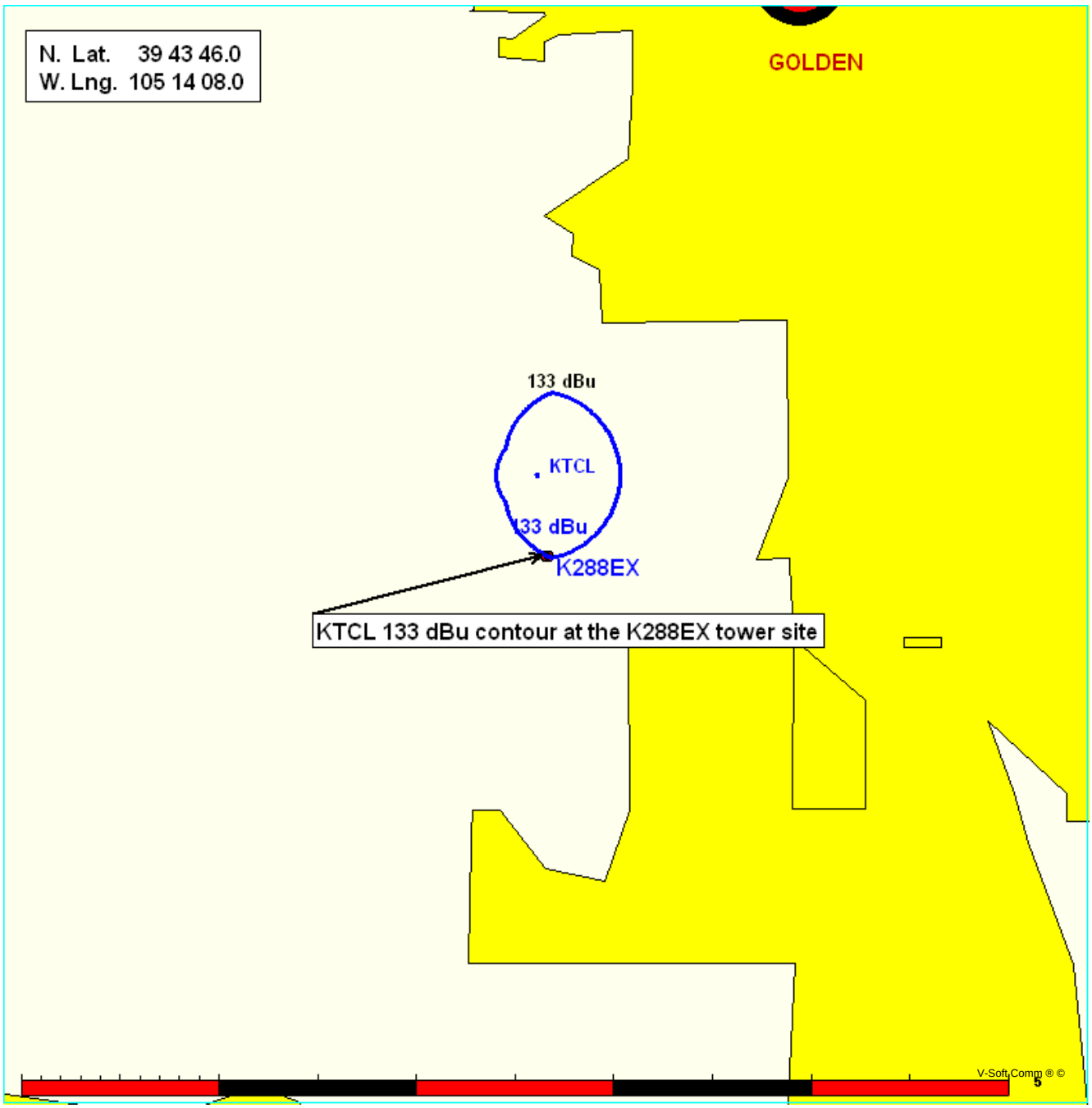


FIGURE 4, PROPOSED 173 DBU CONTOUR
K288EX LAKEWOOD, CO, CH. 229D

Coverage Study - USGS 03 SEC
03-01-2010

K288EX CH229 D , 0.099 kW, 0.0M HAAT, 2246.0M COR AMSL
Interference Contour = 173 dBu. Population = 0

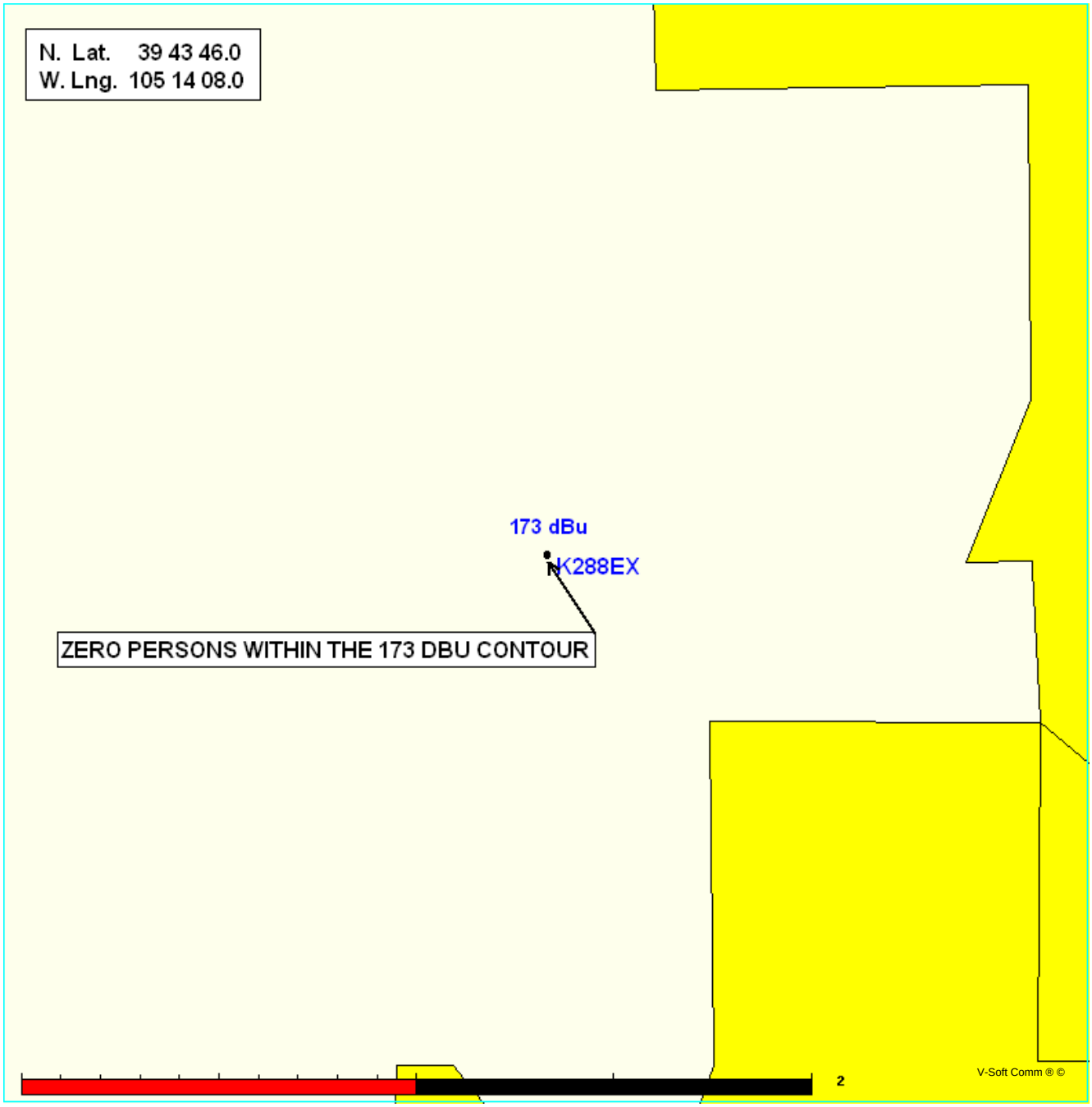


FIGURE 5, INTERFERENCE STUDY WITH KIIQ (App.) 229C1
K288EX LAKEWOOD, CO, CHANNEL 229D

FMCommander Single Allocation Study - 03-14-2010 - USGS 03 SEC
K288EX's Overlaps (In= -42.48 km, Out= 5.65 km)

K288EX CH 229 D DA
Lat= 39 43 46.0, Lng= 105 14 08.0
0.099 kW 0 M HAAT, 2246 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KIIQ-A CH 229 C1 73.215 N BPH20070313ABN
Lat= 39 22 34.0, Lng= 103 41 43.0
100.0 kW 205 M HAAT, 1901 M COR
Prot.= 60 dBu, Intef.= 40 dBu

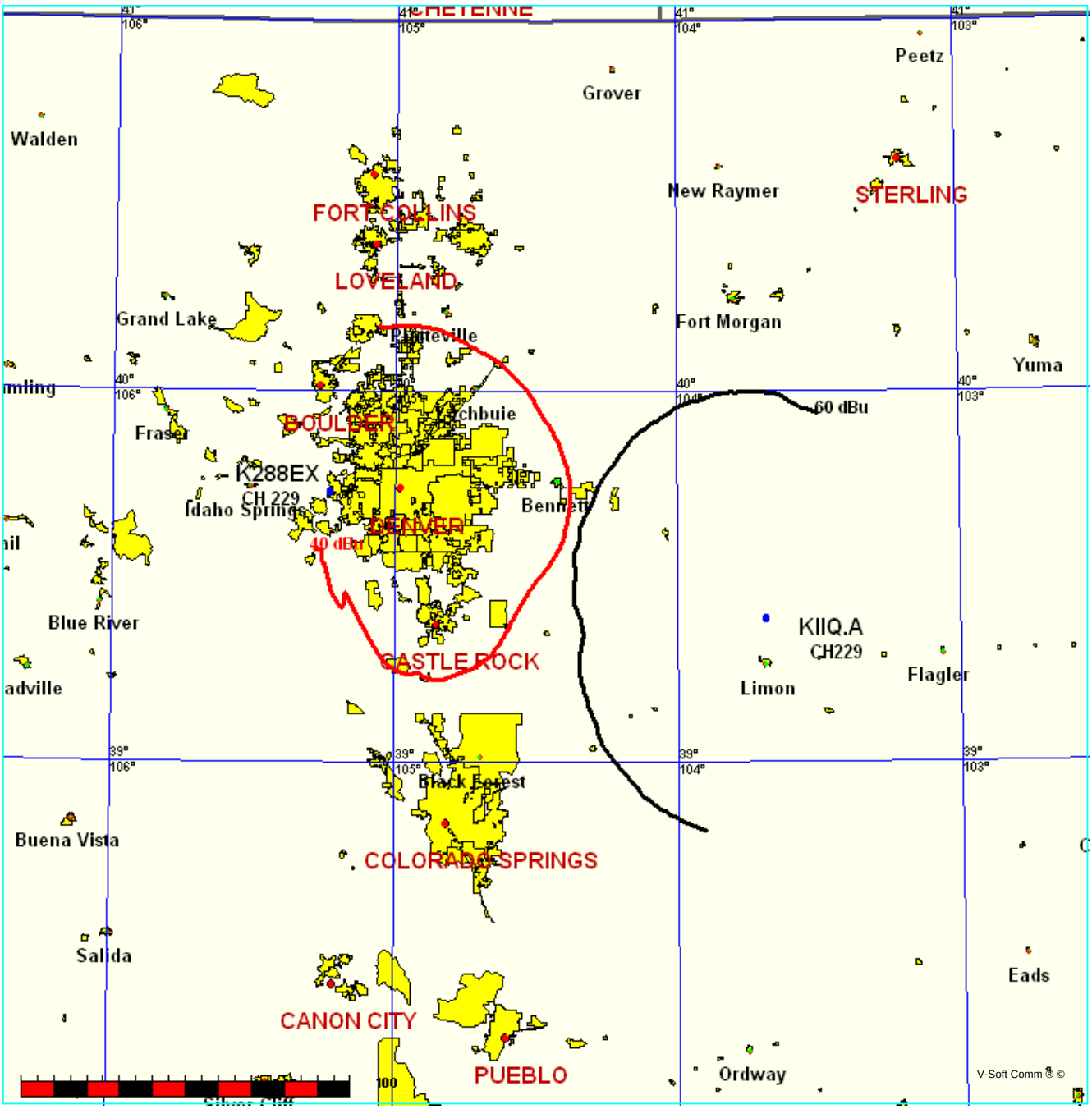


FIGURE 6, DETAILED INTERFERENCE STUDY, K229AC WARD, CO
K288EX LAKEWOOD, CO, CHANNEL 229D

FMCommander Single Allocation Study - 04-03-2010 - USGS 03 SEC
K288EX's Overlaps (In= 0.11 km, Out= 2.43 km)

K288EX CH 229 D DA
Lat= 39 43 46.0, Lng= 105 14 08.0
0.099 kW 0 M HAAT, 2246 M COR
Prot.= 60 dBu, Intef.= 40 dBu

K229AC CH 229 D BLFT20061218ACR
Lat= 39 58 22.0, Lng= 105 31 13.0
0.028 kW 0 M HAAT, 2655 M COR
Prot.= 60 dBu, Intef.= 40 dBu

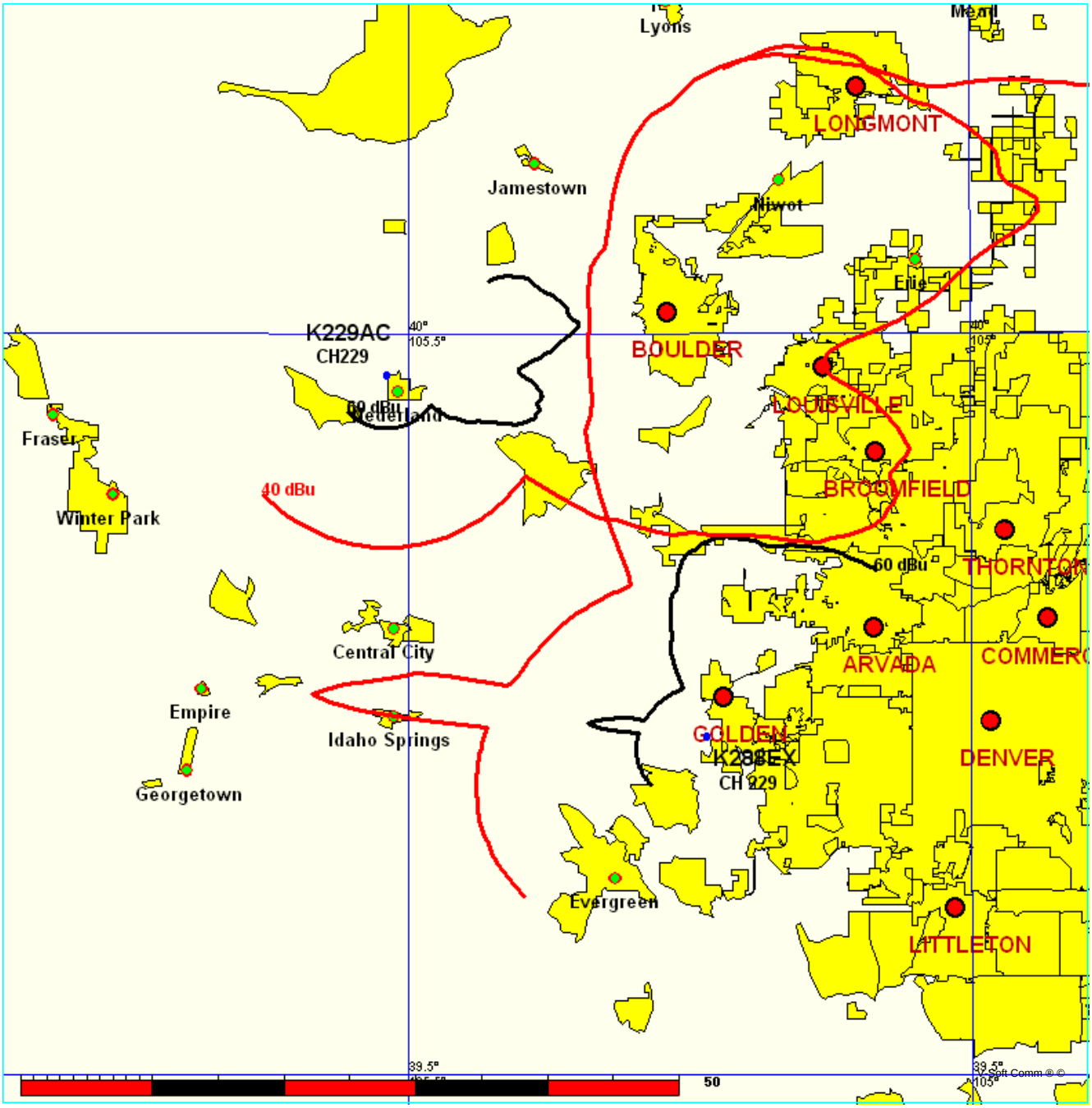


FIGURE 7, INTERFERENCE STUDY WITH BERTHOUD, CO 229D
K288EX LAKEWOOD, CO, CHANNEL 229D

FMCommander Single Allocation Study - 03-14-2010 - USGS 03 SEC
K288EX's Overlaps (In= 27.88 km, Out= 2.24 km)

K288EX CH 229 D DA
Lat= 39 43 46.0, Lng= 105 14 08.0
0.099 kW 0 M HAAT, 2246 M COR
Prot.= 60 dBu, Intef.= 40 dBu

631534 CH 229 D DA BNPFT20030312ADC
Lat= 40 14 24.0, Lng= 105 03 23.0
0.1 kW 0 M HAAT, 1637 M COR
Prot.= 60 dBu, Intef.= 40 dBu

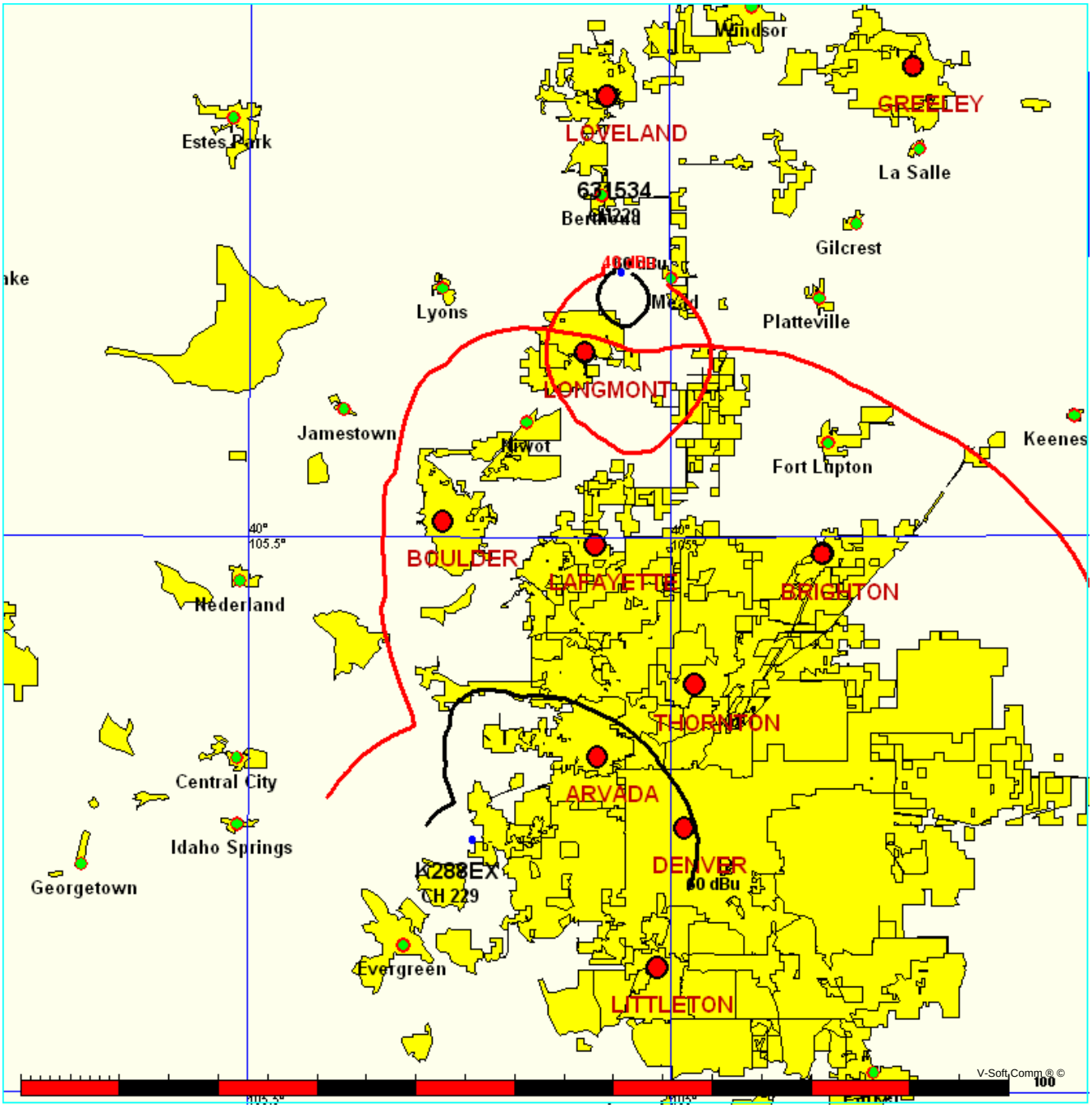
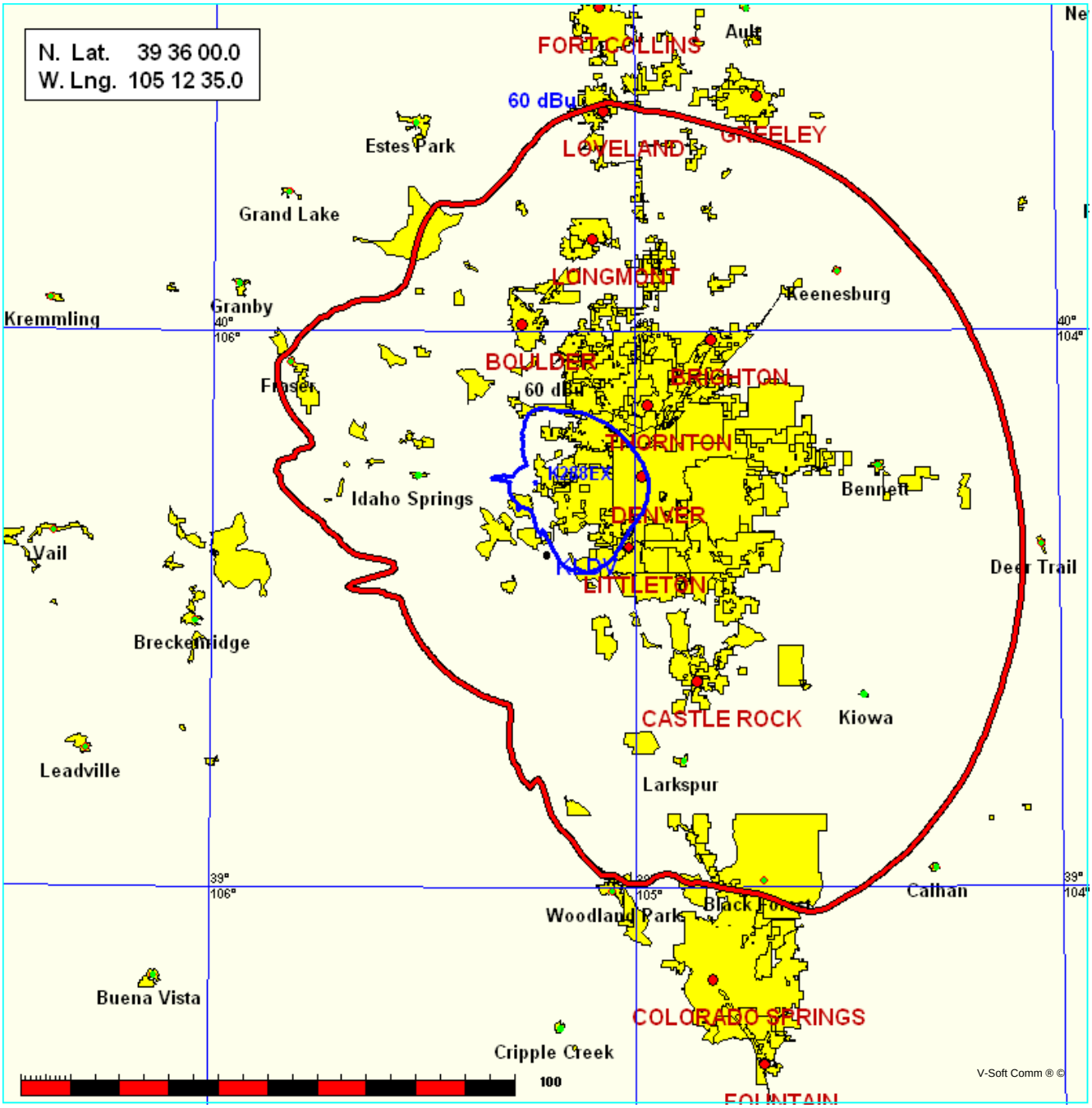


FIGURE 8, FILL IN SHOWING WITH KLDV MORRISON, CO, CH.216C0
K288EX LAKEWOOD, CO, CH. 229D

Coverage Study - USGS 03 SEC
03-01-2010

K288EX CH216 D , 0.099 kW, 0.0M HAAT, 2246.0M COR AMSL
Service Contour = 60 dBu. Population = 2,579,498



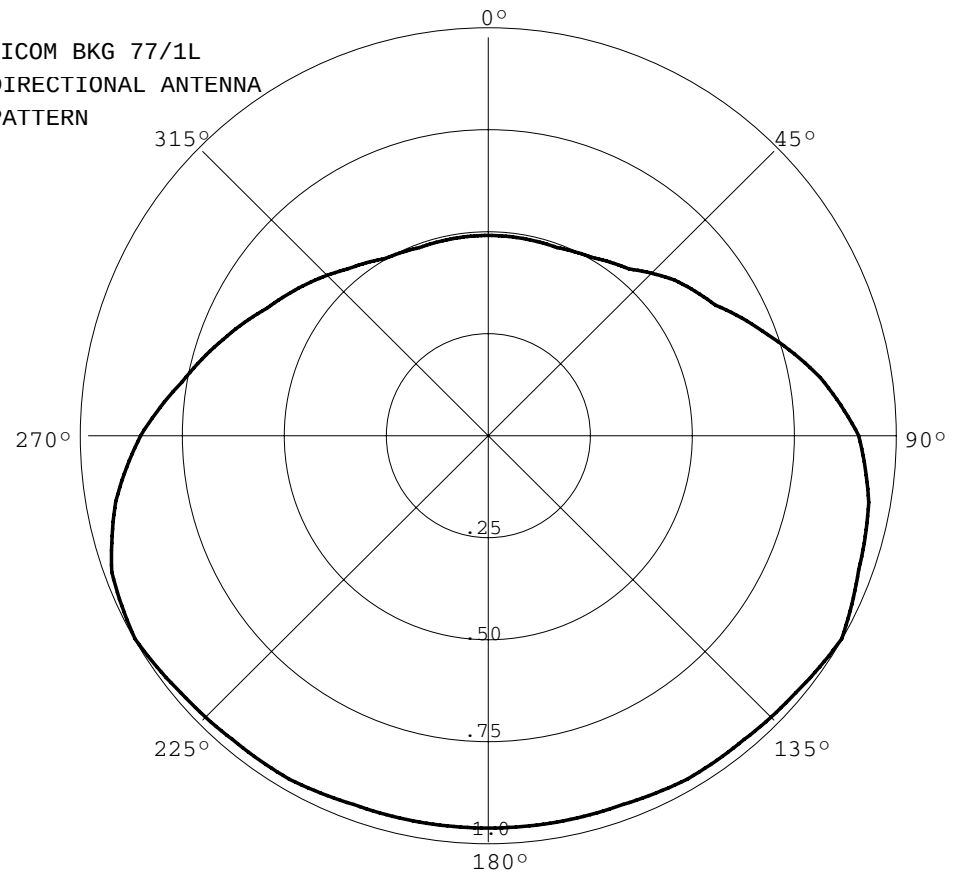
K288EX LAKEWOOD, CO 03-01-2010 RMS(V)= .811

FIGURE 9, DIRECTIONAL ANTENNA DATA

Azi	Field	dBk	kW
000	0.493	-16.187	0.024
010	0.493	-16.187	0.024
020	0.493	-16.187	0.024
030	0.507	-15.943	0.025
040	0.536	-15.460	0.028
050	0.596	-14.539	0.035
060	0.643	-13.879	0.041
070	0.728	-12.801	0.052
080	0.826	-11.704	0.068
090	0.908	-10.882	0.082
100	0.947	-10.517	0.089
110	0.966	-10.344	0.092
120	1.000	-10.044	0.099
130	0.984	-10.184	0.096
140	0.976	-10.255	0.094
150	0.976	-10.255	0.094
160	0.966	-10.344	0.092
170	0.966	-10.344	0.092
180	0.966	-10.344	0.092
190	0.966	-10.344	0.092
200	0.966	-10.344	0.092
210	0.976	-10.255	0.094
220	0.976	-10.255	0.094
230	0.984	-10.184	0.096
240	1.000	-10.044	0.099
250	0.982	-10.201	0.095
260	0.927	-10.702	0.085
270	0.852	-11.435	0.072
280	0.762	-12.405	0.057
290	0.692	-13.242	0.047
300	0.627	-14.098	0.039
310	0.581	-14.760	0.033
320	0.536	-15.460	0.028
330	0.504	-15.995	0.025
340	0.493	-16.187	0.024
350	0.493	-16.187	0.024

Graph is Relative Field

NICOM BKG 77/1L
DIRECTIONAL ANTENNA
PATTERN



N. Lat. = 394346.0 W. Lng. = 1051408.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - USGS 03 SEC

FIGURE 10, TABULATION OF PREDICTED CONTOURS

Azi.	AV EL	HAAT	dBk	60-F5	40-F1	173-F1
000	1839.8	406.2	-16.19	14.51	49.54	0.00
010	1812.1	433.9	-16.19	14.97	51.34	0.00
020	1804.4	441.6	-16.19	15.10	51.83	0.00
030	1745.3	500.7	-15.94	16.31	56.43	0.00
040	1721.0	525.0	-15.46	17.32	59.53	0.00
050	1713.4	532.6	-14.54	18.53	62.75	0.00
060	1693.5	552.5	-13.88	19.73	65.96	0.00
070	1709.9	536.1	-12.80	20.67	68.06	0.00
080	1709.1	536.9	-11.70	22.05	71.30	0.00
090	1713.7	532.3	-10.88	22.99	73.39	0.00
100	1737.8	508.2	-10.52	22.81	72.76	0.00
110	1776.5	469.5	-10.34	21.95	70.32	0.00
120	1816.2	429.8	-10.04	21.34	68.03	0.00
130	1797.7	448.3	-10.18	21.61	69.10	0.00
140	1792.7	453.3	-10.25	21.65	69.29	0.00
150	1831.1	414.9	-10.25	20.74	66.22	0.00
160	1928.7	317.3	-10.34	18.17	57.90	0.00
170	2154.9	91.1	-10.34	9.67	32.39	0.00
180	2169.6	76.4	-10.34	8.85	29.30	0.00
190	2233.3	12.7	-10.34	5.52	18.16	0.00
200	2292.0	-46.0	-10.34	5.52	18.16	0.00
210	2224.5	21.5	-10.25	5.55	18.27	0.00
220	2243.0	3.0	-10.25	5.55	18.27	0.00
230	2286.6	-40.6	-10.18	5.58	18.35	0.00
240	2386.9	-140.9	-10.04	5.62	18.52	0.00
250	2398.4	-152.4	-10.20	5.57	18.33	0.00
260	2317.5	-71.5	-10.70	5.41	17.73	0.00
270	2269.7	-23.7	-11.43	5.18	16.85	0.00
280	2182.7	63.3	-12.40	7.09	23.77	0.00
290	2266.5	-20.5	-13.24	4.64	14.80	0.00
300	2400.5	-154.5	-14.10	4.41	14.08	0.00
310	2411.0	-165.0	-14.76	4.25	13.57	0.00
320	2350.1	-104.1	-15.46	4.08	13.05	0.00
330	2256.3	-10.3	-16.00	3.95	12.68	0.00
340	2141.6	104.4	-16.19	7.38	24.74	0.00
350	1960.8	285.2	-16.19	12.27	40.93	0.00

Ave El= 2030.24 M HAAT= 215.76 M AMSL= 2246