

EXHBIT E-1  
TECHNICAL STATEMENT  
K275AH BERTHOUD, COLORADO  
MOUNTAIN COMMUNITY TRANSLATORS, LLC  
FCC FORM 349  
MARCH 2008

This Technical Statement is in support of a minor change application for K275AH, facility ID 140247, Berthoud, Colorado.

It seeks to change its transmitter location, reduce its currently licensed Effective Radiated Power to 50 watts, and operate with a directional antenna system with a height of Above Mean Sea Level of 1617 Meters, at an existing tower location. It also seeks to one step change channels to its first adjacent channel of 274D, to help reduce any chance of interference towards other stations.

Figure 1 is a channel interference study which shows that there will not be any prohibitive overlap with any other stations or authorizations on channel 274D, with the exception to the currently licensed operation of K275AH Berthoud, CO, which this application seeks to amend.

Figure 2 is a more detailed interference study conducted against KBIQ Manitou Springs, CO operating on channel 274C.

Figure 3 is a more detailed interference study conducted against KTRR Loveland, CO, operating on channel 273C2.

Figure 4 is a more detailed interference study conducted against KARS-FM Laramie, WY on channel 275C1.

Figure 5 is a more detailed interference study conducted against a pending application for Golden, CO, on channel 274D field by Kevin J. Youngers. It should be

noted that this application is likely to be dismissed for failure to file the required FCC form 175 concurrently with its FCC form 349 application.

Figure 6 is a more detailed interference study conducted against KCUV Greenwood Village, CO, operating on channel 272A.

Figure 7 shows that the new proposed operation of K275AH will be mutually exclusive with the present licensed operation of K275AH Berthoud, CO. The 60 dbu contour of the new proposed operation of K275AH will overlap with the current 60 dbu contour as specified with its license.

Figure 8 shows the proposed directional antenna data and polar plot of the proposed pattern.

The proposed operation of K275AH was found to be in compliance with all of the Commissions rules and requirements for an FM translator station.

EXHIBIT E-1, FIGURE 1, INTEFERENCE STUDY  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

REFERENCE CH# 274D - 102.7 MHz, Pwr= 0.05 kW, HAAT= 0.0 M, COR= 1617 M DISPLAY DATES  
40 05 29.0 N. DATA 03-27-08  
105 07 17.0 W. SEARCH 03-27-08  
Average Protected F(50-50)= 4.71 km

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*OUT* (Overlap in km)
274D K275AH *	Berthoud	APP _C_	0.0	0.00	40 05 29.0	0.050	26.2	7.8	-34.00*
		CO	0.0	BPFT20080204ACO	105 07 17.0		1617	Mountain Community Transla	
274C KBIQ	Manitou Springs	LIC _C_	171.4	151.12	38 44 43.0	72.000	213.0	100.6	44.36
		CO	351.6	BMLH20030423AAT	104 51 39.0	695	2946	Bison Media, Inc.	
273C2 KTRR	Loveland	LIC NCX	22.7	66.36	40 38 31.0	17.000	77.7	52.8	2.07
		CO	202.9	BLH20051107AEI	104 49 03.0	234	1793	Regent Broadcasting Of Ft.	
275C1 KARS-FM	Laramie	LIC _C_	331.1	99.90	40 52 37.0	100.000	109.5	75.1	15.30
		WY	150.7	BLH20051031ABO	105 41 44.0	248	2999	Regent Broadcasting Of Ft.	
275D K275AH **	Berthoud	LIC DE_	18.5	17.41	40 14 24.0	0.100	14.6	10.4	-4.35
		CO	198.5	BLFT20061116ADH	105 03 23.0		1637	Mountain Community Transla	
274D 649205	Golden	APP DV_	193.6	41.36	39 43 46.0	0.010	38.8	11.0	24.28
		CO	13.6	BNPFT20030317EGU	105 14 08.0		2244	Kevin J. Youngers	
272A KCUV	Greenwood Village	LIC DCX	193.8	40.98	39 43 59.0	1.000	2.1	38.2	2.66
		CO	13.8	BLH20070514AGO	105 14 10.0	238	2256	Nrc Broadcasting, Inc.	
272D KCUV-FM2	Boulder	LIC DV_	212.6	10.48	40 00 43.0	0.250	0.2	5.1	5.33
		CO	32.6	BLFTB20070725AEH	105 11 16.0		1661	Nrc Broadcasting, Inc.	
275D KARS-FM1	Fort Collins	LIC DC_	358.9	92.92	40 55 41.0	17.000	78.9	53.8	28.03
		CO	178.9	BLFTB20070718AEG	105 08 36.0		2100	Regent Broadcasting Of Ft.	
271A KRKY-FM	Estes Park	LIC _HX	311.6	45.21	40 21 38.0	6.000	3.0	31.9	12.90
		CO	131.4	BLH20070117AAE	105 31 12.0	25	2739	Nrc Broadcasting, Inc.	
274D 632772	Arvada	APP DV_	174.1	30.70	39 48 59.0	0.030	13.2	4.1	20.51
		CO	354.1	BNPFT20030310ABX	105 05 03.0		1673	Timothy C. Cutforth	
276C0 KAVD	Parker	CP _CX	126.4	104.01	39 31 57.0	100.000	12.3	84.6	19.34
		CO	307.1	BPH20070314ACY	104 08 48.0	448	2141	Coloradio, Inc.	
271D KRKY-FM2	Fort Collins	LIC DC_	353.5	44.95	40 29 37.0	0.065	0.4	18.0	26.43
		CO	173.5	BLFTB20070404AAP	105 10 53.0		2090	Nrc Broadcasting, Inc.	
275D 631520	Wheat Ridge	APP DE_	210.1	41.78	39 45 57.0	0.011	8.8	6.1	32.98
		CO	29.9	BNPFT20030312AGW	105 21 59.0		2509	Educational Communications	
277D 650325	Fort Collins	APP DC_	353.6	44.92	40 29 36.0	0.020	0.0	4.1	40.34
		CO	173.5	BNPFT20030317JQN	105 10 52.0		2075	Regent Broadcasting Of Ft.	
274L1 KYGT-LP	Idaho Springs	LIC _	230.1	62.04	39 43 56.0	0.100	11.4	2.5	53.17
		CO	49.7	BLL20021003AAE	105 40 38.0	19	3018	Clear Creek Radio, Inc.	
272D 652181	Idaho Springs	APP _C_	222.5	52.85	39 44 26.0	0.005	0.2	2.7	50.09
		CO	42.3	BNPFT20030317MVZ	105 32 21.0		2625	Mitchell A. Beranek	
277C2 RADD	Cheyenne	ADD _	19.3	141.93	41 17 46.0	50.000	5.7	84.6	56.88
		WY	199.6		104 33 38.0	150	1919	Laramie Mountain Broadc'g,	
274D K274AG	Dillon	LIC _CN	237.0	96.76	39 36 50.0	0.095	18.3	5.6	84.12
		CO	56.4	BLFT19950814TD	106 04 02.0	-345	2866	Nrc Broadcasting Mountain	
276C1 KAVD	Limon	LIC NC_	118.1	144.66	39 28 12.0	100.000	8.2	63.9	80.62
		CO	299.1	BLH20001129AAZ	103 38 14.0	135	1791	Coloradio, Inc.	
273C2 KQSE	Gypsum	LIC _C_	255.2	148.74	39 44 18.0	0.480	61.9	41.1	103.57
		CO	74.1	BLH20080222ABW	106 47 58.0	660	3161	Wildcat Communications, L.	
271A KSMT	Breckenridge	LIC ZCX	229.8	102.07	39 29 44.0	6.000	1.6	11.6	90.42
		CO	49.2	BLH20070504ABR	106 01 44.0	-64	3250	Nrc Broadcasting Mountain	
276C3 AL3178	Aspen	RSV _	237.3	175.56	39 13 33.0	25.000	2.3	84.6	90.88
		CO	56.2	RM9890	106 50 00.0	100	2997		
276D 649776	Silverthorne	APP _V_	237.0	96.76	39 36 50.0	0.010	0.2	3.2	93.50
		CO	56.4	BNPFT20030317IIP	106 04 02.0		2853	Randy M Hudson	

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM  
Contour distances are on direct line to and from reference station. Reference zone = 2. With 3rd Adj Channels.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
Incoming contour overlap is ignored.

\*\*\*affixed to 'IN' or 'OUT' values = site inside protected contour.

\* This application amends this application. \*\* This application amends this licensed operation.

EXHIBIT E-1, FIGURE 2, INTERFERENCE STUDY, KBIQ Ch. 274C  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D	KBIQ CH 274 C	BMLH20030423AAT
0.05 kW 1617 M COR DA	72.0 kW, 2946 M COR	
Prot. = 60 dBu	Prot. = 60 dBu	
Intef. = 40 dBu	Intef. = 40 dBu	

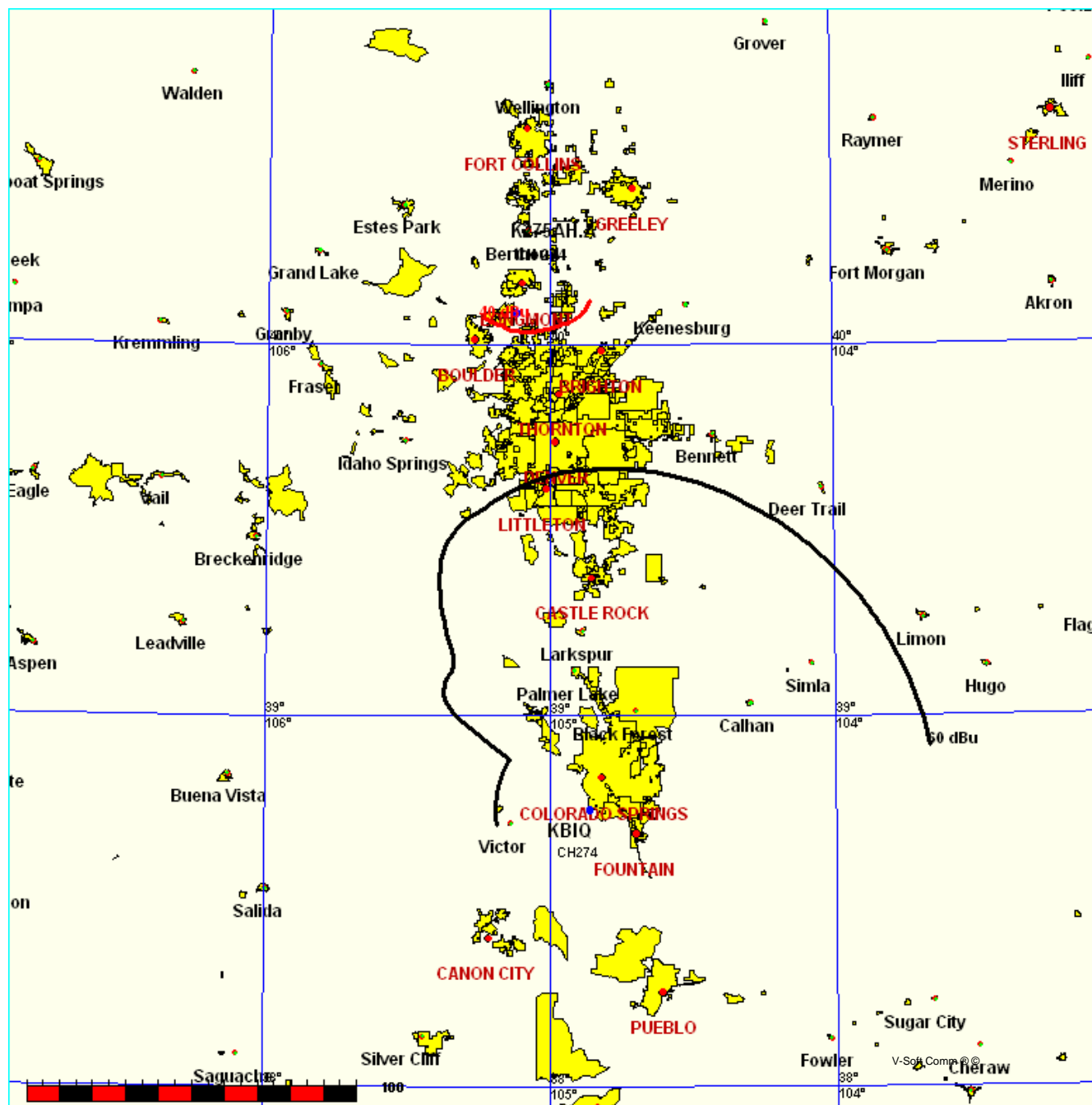


EXHIBIT E-1, FIGURE 3, INTERFERENCE STUDY, KTRR CH. 273C2  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D	KTRR CH 273 C2 BLH20051107AEI
0.05 kW 1617 M COR DA	17.0 kW, 1793 M COR
Prot. = 60 dBu	Prot. = 60 dBu
Intef. = 54 dBu	Intef. = 54 dBu

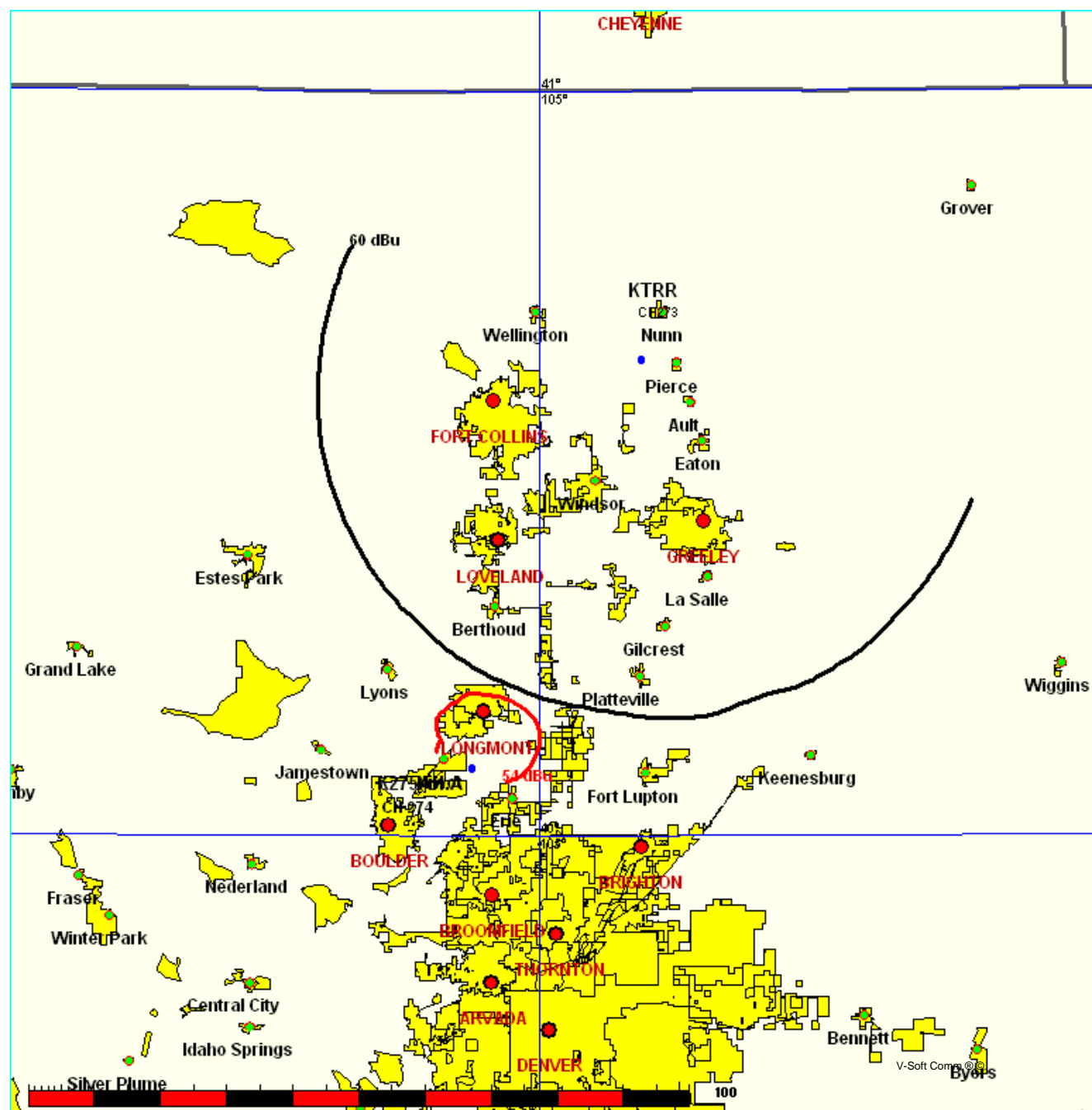


EXHIBIT E-1, FIGURE 4, INTERFERENCE STUDY, KARS-FM CH275C1  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D  
0.05 kW 1617 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

KARS-FM CH 275 C1 BLH20051031ABO  
100.0 kW, 2999 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

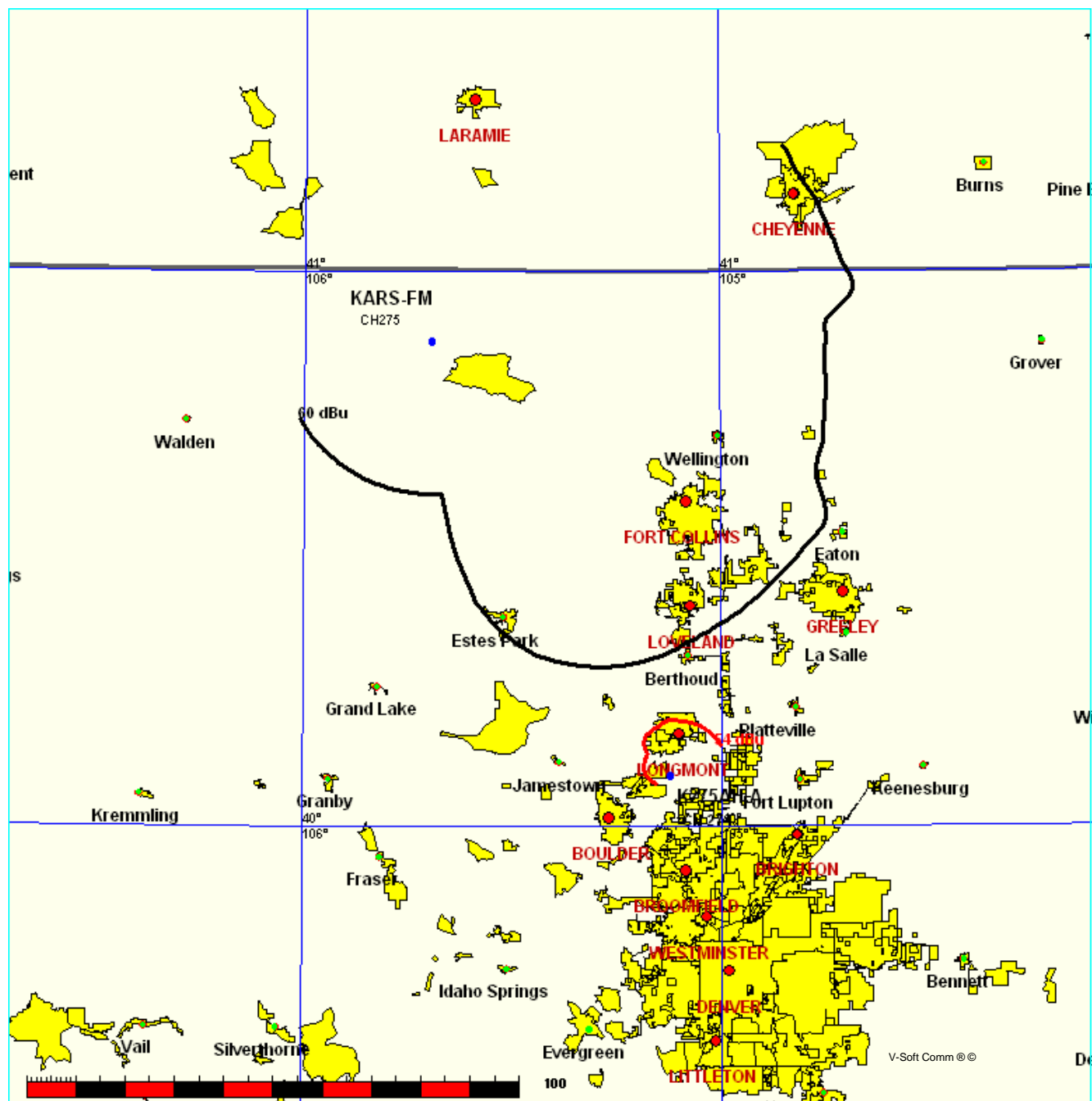


EXHIBIT E-1, FIGURE 5, INTERFERENCE STUDY, Golden, CO 274D  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D	649205 CH 274 D	BNPFT20030317EGU
0.05 kW 1617 M COR DA	0.01 kW, 2244 M COR DA	
Prot. = 60 dBu	Prot. = 60 dBu	
Intef. = 40 dBu	Intef. = 40 dBu	

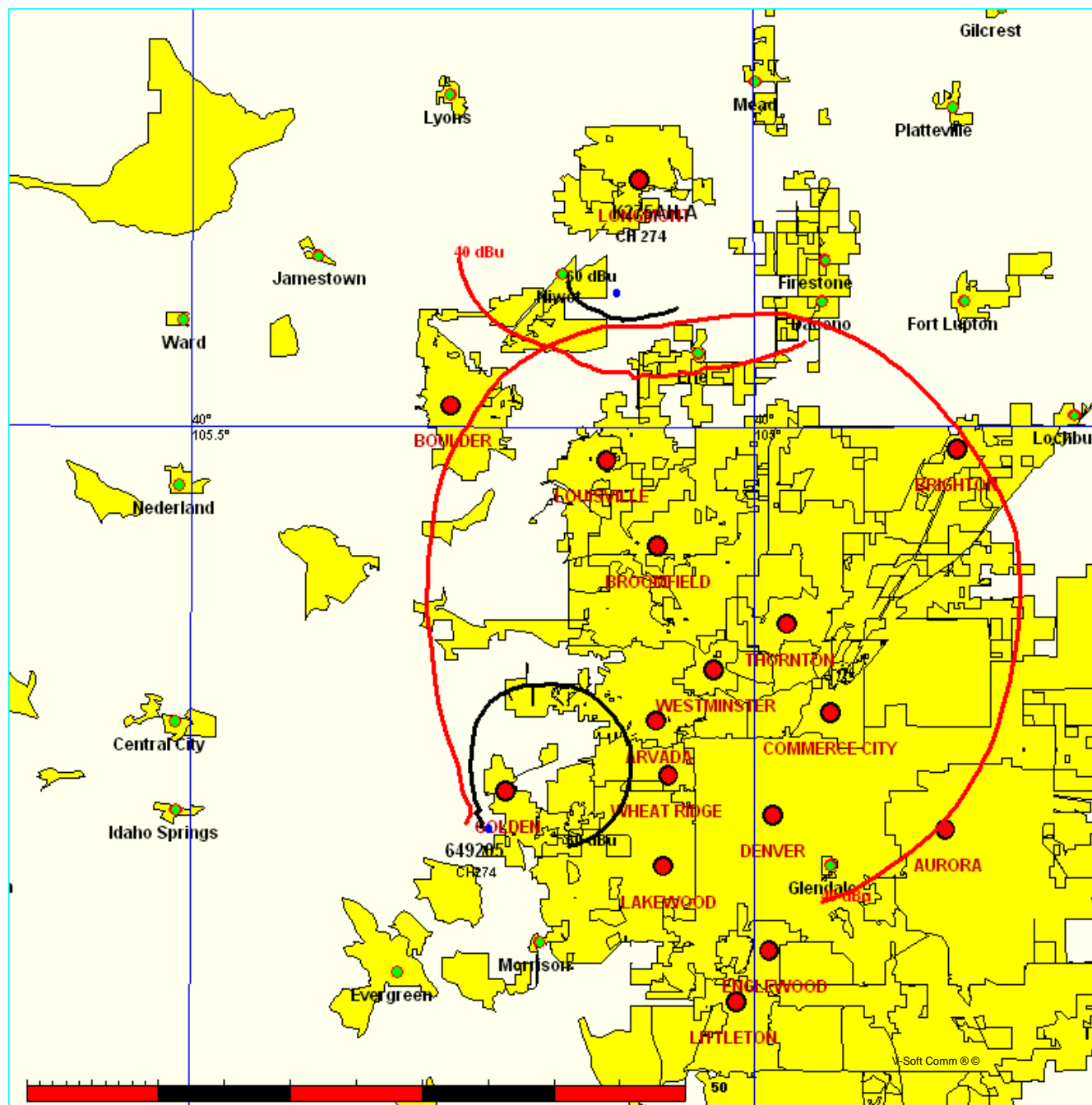


EXHIBIT E-1, FIGURE 6, INTERFERENCE STUDY, KCUV CH. 272A  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D  
0.05 kW 1617 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

KCUV CH 272 A BLH20070514AGO  
1.0 kW, 2256 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

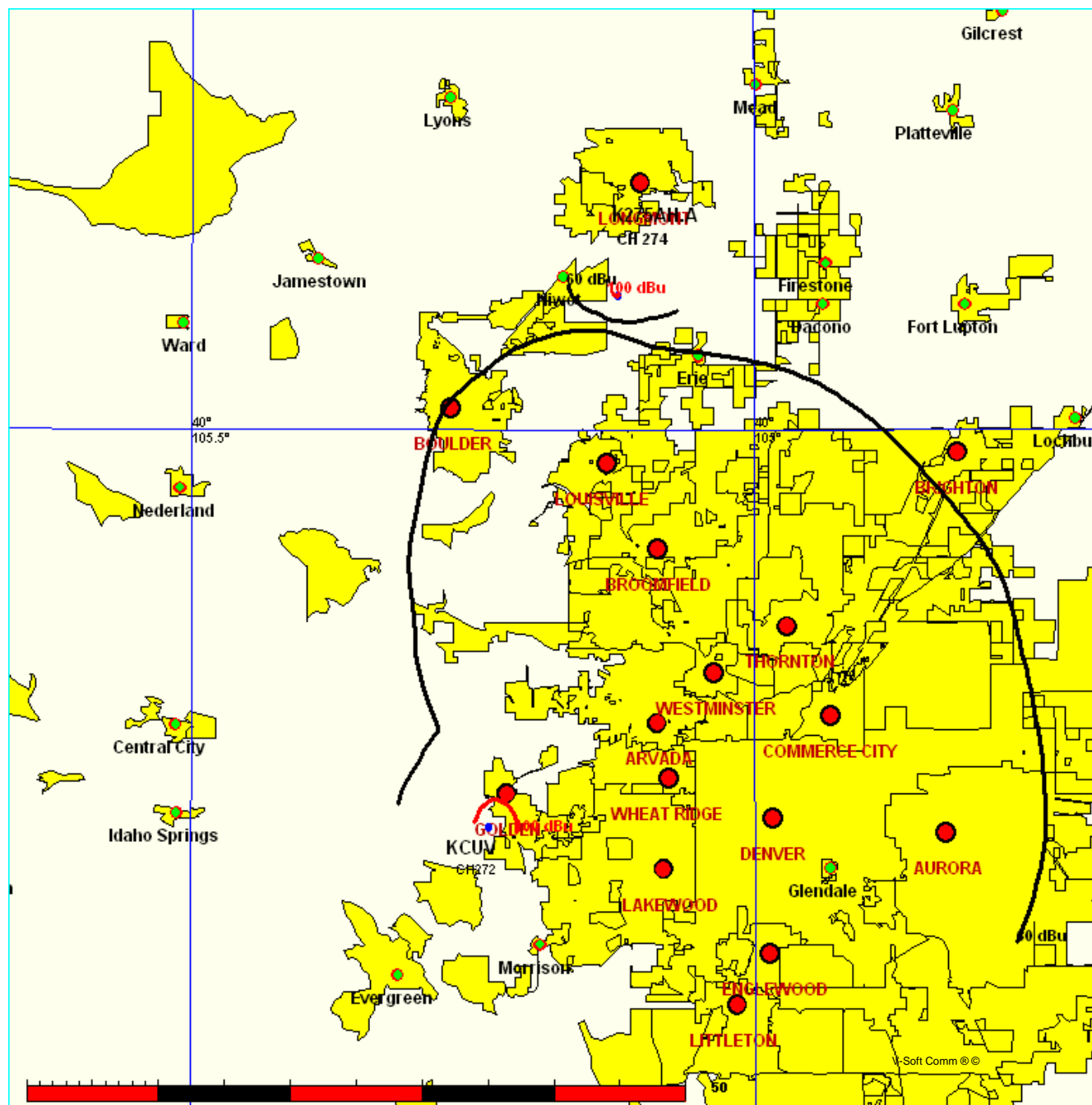


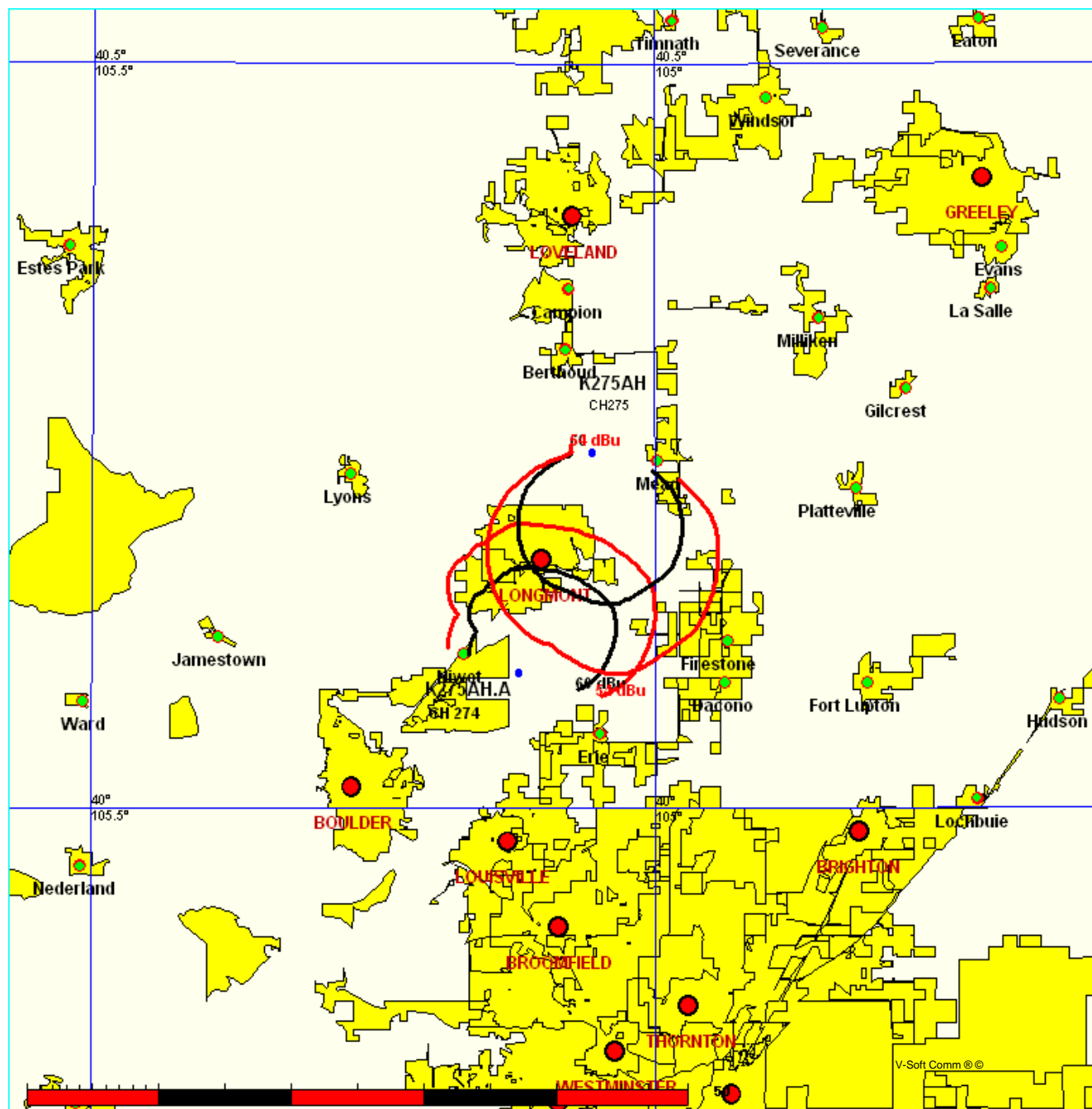


EXHIBIT E-1, FIGURE 7, OVERLAP WITH K275AH, CH. 275D  
K275AH BERTHOUD, COLORADO, CHANNEL 274D

FMCommander Single Allocation Study  
03-27-2008

K275AH.A CH 274 D  
0.05 kW 1617 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

K275AH CH 275 D BLFT20061116ADH  
0.1 kW, 1637 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu



Bearing    Field % VoltageGraph is Percent Relative Field Voltage

000	=	1.000
010	=	0.990
020	=	0.978
030	=	0.956
040	=	0.927
050	=	0.882
060	=	0.808
070	=	0.733
080	=	0.646
090	=	0.543
100	=	0.430
110	=	0.324
120	=	0.240
130	=	0.183
140	=	0.158
150	=	0.163
160	=	0.157
170	=	0.165
180	=	0.161
190	=	0.165
200	=	0.157
210	=	0.163
220	=	0.158
230	=	0.183
240	=	0.240
250	=	0.324
260	=	0.430
270	=	0.543
280	=	0.646
290	=	0.733
300	=	0.808
310	=	0.882
320	=	0.927
330	=	0.956
340	=	0.978
350	=	0.990

NICOM BLD1/P

