

EXHIBIT E-1
TECHNICAL STATEMENT
K234AH CHEYENNE , WY
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
JANUARY 2009

This Technical Statement is filed in support of a minor change application for K234AH Cheyenne , Wyoming, facility ID 71817. K234AH is seeking to change its transmitter location, decrease its Effective Radiated Power from 169 watts to 92 watts, and also specify a non-directional antenna.

Figure 1 is a detailed interference study for the proposed operation of K234AH on channel 234D. There will not be any prohibited outgoing interference produced by K234AH with the exceptions of KCGY Laramie, Wyoming, on channel 236C, facility ID 14753 and KMAX-FM Wellington, Colorado, on channel 232C3 facility ID 84497. KCGY operates on channel 236, or a second adjacent channel to channel 234D. KMAX-FM operates on channel 232, which is also a second adjacent channel to channel 234D. 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 contour, in this case.

The worse case interference contour for K234AH is 100 dbμ (F50,10). This contour with 92 watts ERP will extend 0.67 kilometers (670 meters). There are no normally occupied structures within 670 meters of the proposed tower site. The access to this site is gated and limited to equipment service personnel that occasionally work at the tower site.

Figure 2 shows that the KCGY predicted signal strength at the K234AH tower site is 72.7 dbμ. The corresponding interference contour for K234AH would be 112.7 dbμ.

Figure 3 shows that the KMAX-FM predicted signal strength at the K234Ah tower site is 64.0 dbμ. The corresponding interference contour for K234AH would be 104.0 dbμ.

Figure 4 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 5 is a photo of the proposed tower site for K234AH Cheyenne. It shows that there are no homes or structures located near this tower site.

Figure 6 shows that the proposed 60 dbμ predicted contour will overlap with the current 60 dbμ contour of the licensed K234AH.

Figure 7 is a tabulation of the distances to the pertinent contours for the modified operation of K234AH.

The new proposed operation of K234AH Cheyenne , Wyoming was found to meet all of the Commissions rules and regulations for an FM translator station.

EXHIBIT E-1, FIGURE 1, INTERFERENCE STUDY
K234AH CHEYENNE, WY, CHANNEL 234D
CH# 234D - 94.7 MHz, Pwr= 0.092 kW, HAAT= 83.1 M, COR= 2107 M
Average Protected F(50-50)= 9.23 km
Omni-directional

REFERENCE
41 06 02.0 N.
105 01 29.0 W.

DISPLAY DATES
DATA 01-17-09
SEARCH 01-19-09

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap	*OUT* in km)
234D Cheyenne	K234AH	LIC	DC_	47.1 227.1	7.9 BMLFT20061107AAJ	41 08 55.0 104 57 22.0	0.169 2019	11.3	3.5	-16.3*	-38.2
236C Laramie	KCGY	LIC	_CN	303.1 122.8	42.8 BLH19831107AS	41 18 34.0 105 27 11.0	100.000 326	9.6	69.9	26.5	-27.8*
232C3 Wellington	KMAX-FM	LIC	_CX	207.5 27.4	21.6 BLH20021101AAV	40 55 41.0 105 08 36.0	8.700 168	2.7	27.0	10.4	-6.0*
234C Lafayette	KRKS-FM	LIC	DCN	193.8 13.6	117.6 BMLH19981009KC	40 04 19.0 105 21 14.0	100.000 300	89.0	32.8	10.1	41.4
231D Laramie	K231BL	LIC	DC_	292.7 112.4	39.8 BLFT20050916AAA	41 14 16.0 105 27 48.0	0.089 2679	0.0	0.7	34.2	38.5
233D Laramie	642999	APP	_C_	299.4 119.0	54.4 BNPFT20030317JYH	41 20 20.0 105 35 31.0	0.250 2243	10.1	7.1	36.5	39.5
234D Millbrook	630762	APP	_V_	287.0 106.4	75.9 BNPFT20030310BJD	41 17 46.0 105 53 29.0	0.010 2438	29.7	8.9	39.4	48.8
233D Greeley	652147	APP	_C_	163.0 343.1	83.1 BNPFT20030317MSW	40 23 05.0 104 44 12.0	0.060 1508	10.0	6.9	60.7	58.5
237D Ft. Collins	K237CY	LIC	DC_	191.1 11.0	68.7 BLFT20061016ADT	40 29 36.0 105 10 52.0	0.010 2078	0.1	7.3	59.3	60.7
237D Evans	631339	APP	_C_	160.4 340.6	82.4 BNPFT20030313BFO	40 24 04.0 104 41 54.0	0.250 1507	1.1	9.7	69.1	72.1
236D Windsor	631585	APP	DE_	162.6 342.8	82.8 BNPFT20030312AXC	40 23 19.0 104 43 56.0	0.050 1528	0.3	6.1	70.4	76.1
231C1 Scottsbluff	KNEB-FM	LIC	_CN	58.8 239.7	130.7 BLH19810904AB	41 42 04.0 103 40 49.0	100.000 207	7.0	57.7	110.6	72.4
237D Mead	631530	APP	DE_	181.6 1.6	95.6 BNPFT20030312ACS	40 14 24.0 105 03 23.0	0.100 1637	0.0	2.2	84.6	92.7
233C3 Merino	KRGQ	RSV	___	110.9 292.2	172.4	40 31 57.0 103 07 22.0	25.000 100	71.1	48.0	88.5	105.4
231C3 Walden	KEZZ	CP	NHX	243.3 62.5	105.9 BMPH20070119AGT	40 40 03.0 106 08 38.0	6.500 10	1.6	16.1	98.3	89.1
233C3 Merino	KRGQ	APP	_CX	110.9 292.2	172.4 BMPH20081204ADA	40 31 57.0 103 07 22.0	15.000 124	67.6	45.8	91.9	107.6
234C1 Chadron	KCNB	LIC	_CX	47.4 229.0	258.9 BLH20080229AAY	42 39 05.1 102 41 49.3	100.000 144	149.3	53.8	96.4	162.2
233C3 Merino	KRGQ	CP	_CX	114.0 295.2	167.0 BPH20080317AFC	40 28 33.0 103 13 28.0	6.500 69	45.9	29.7	108.4	118.2
233C Casper	KMLD	LIC	_CY	329.6 148.8	211.4 BLH19790130AD	42 44 03.0 106 20 00.0	65.000 582	90.2	61.1	111.7	136.5
231C2 Phippsburg	KEZZ	RSV	___	243.4 62.4	158.3	40 27 11.0 106 41 44.0	50.000 150	5.1	45.8	146.9	111.8
231C2 Phippsburg	KEZZ	RSV	___	243.4 62.4	158.3	40 27 11.0 106 41 44.0	50.000 150	5.1	45.8	146.9	111.8
231C2 Phippsburg	KEZZ	APP	NCX	240.1 59.0	163.9 BMPH20081205AFD	40 21 16.0 106 41 55.0	0.820 528	1.9	35.8	156.5	127.4
231C2 Phippsburg	KEZZ	APP	NCX	240.1 59.0	163.9 BMPH20080312ADS	40 21 16.0 106 41 55.0	0.820 528	1.9	35.8	156.5	127.4
235C3 Bairoil	1211028	RSV	___	302.8 121.2	227.3	42 10 55.0 107 20 27.0	25.000 100	65.1	43.2	153.8	172.5
235C3 Bairoil	1210777	APP	_CX	302.8 121.2	227.3 BNPH20070430AAI	42 10 55.0 107 20 27.0	25.000 100	65.1	43.1	153.9	172.6

											Page # 2	
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR (kW)	INT (km)	PRO (km)	*IN*	*OUT*	
CITY		STATE		<--	FILE #	LNG	HAAT (M)	COR (M)	LICENSEE	(Overlap	in km)	

232C	KILO	LIC	_C_	176.9	261.8	38 44 44.0	79.000	16.2	102.3	234.4	158.9	
Colorado Springs		CO		357.0	BLH20070426AAL	104 51 42.0	670	2922	Colorado Springs Radio Bro			
236C	KATC-FM	LIC	_C_	176.9	261.9	38 44 43.0	72.000	15.7	101.8	234.9	159.4	
Colorado Springs		CO		357.0	BLH20060622ABT	104 51 39.0	695	2946	Citadel Broadcasting Compa			
235A	1179892	APP	___	302.0	246.3	42 14 40.0	6.000	64.3	43.3	173.9	195.4	
Bairoil		WY		120.3	BSFH20061215ADE	107 33 32.0	100	2287	Independence Media Holding			
235A	AU7010615	VAC	___	302.0	246.3	42 14 40.0	6.000	64.3	43.3	173.9	195.4	
Bairoil		WY		120.3	RMrfS113	107 33 32.0	100	2287	Fcc			

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 = 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.

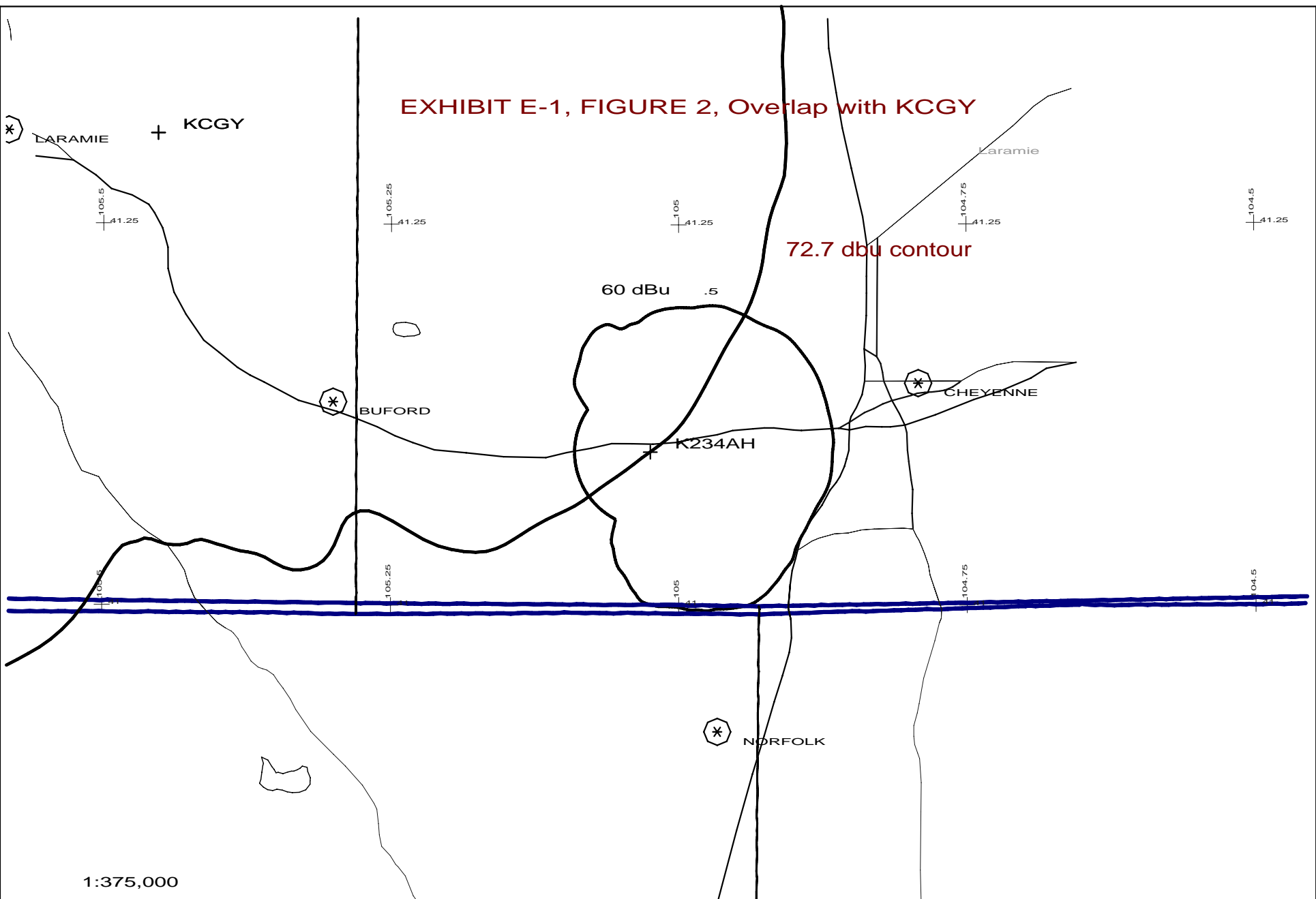
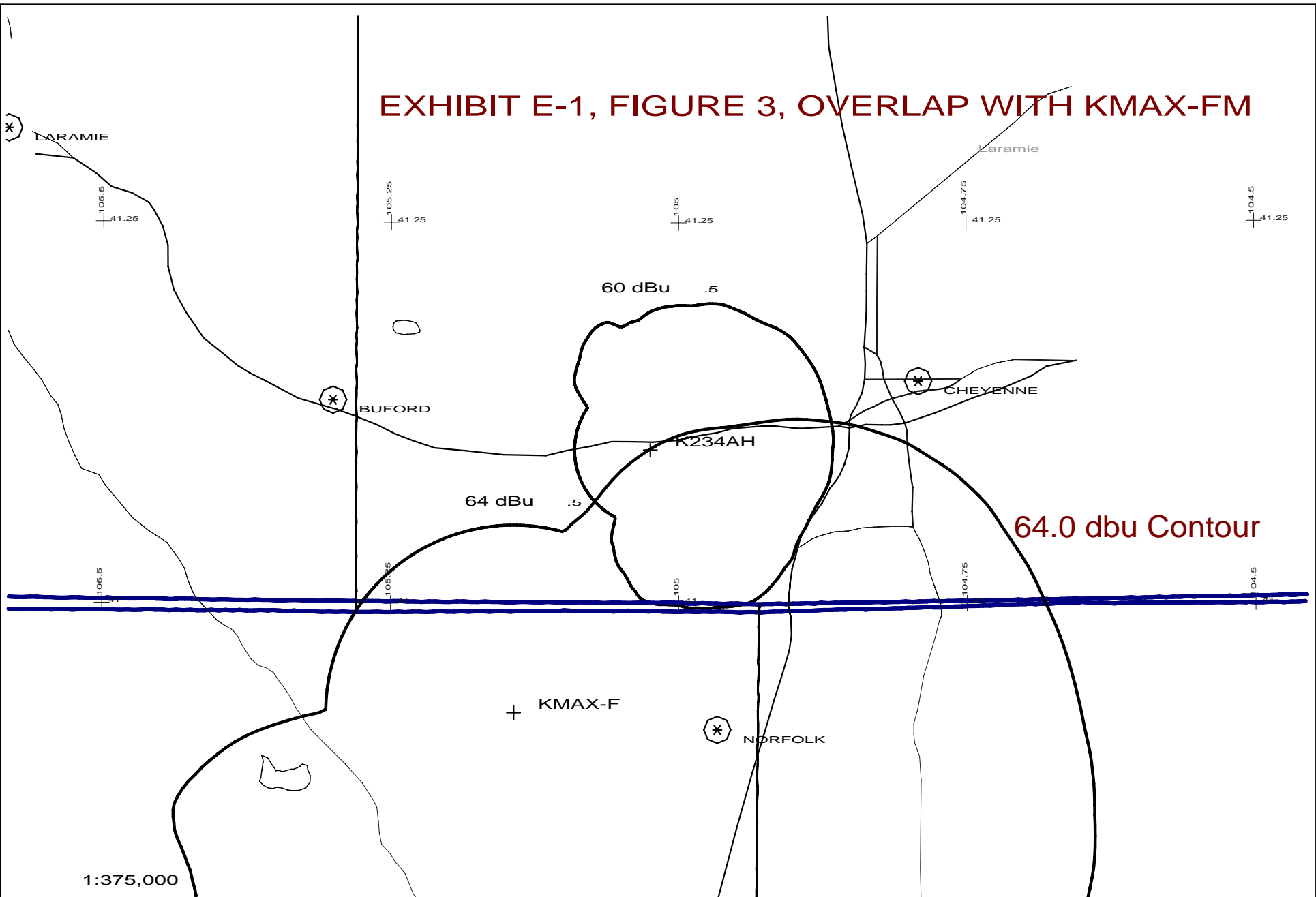
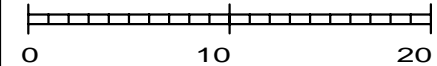


EXHIBIT E-1, FIGURE 3, OVERLAP WITH KMAX-FM



1:375,000

Scale in km



K234AH 234D .092kW 2107M AMSL

N. Lat. 41 06 02 W. Lng. 105 01 29

K234AH

- 01/09

EXHIBIT E-1, FIGURE 4, 100 dbu INTERFERENCE CONTOUR
K234AH CHEYENNE, WY, CHANNEL 234D

Coverage Study - NGDC 30 SEC
01-19-2009

K234AH CH234 D 0.092 kW 2107M COR
Prot. = 60 dBu. Population = 0

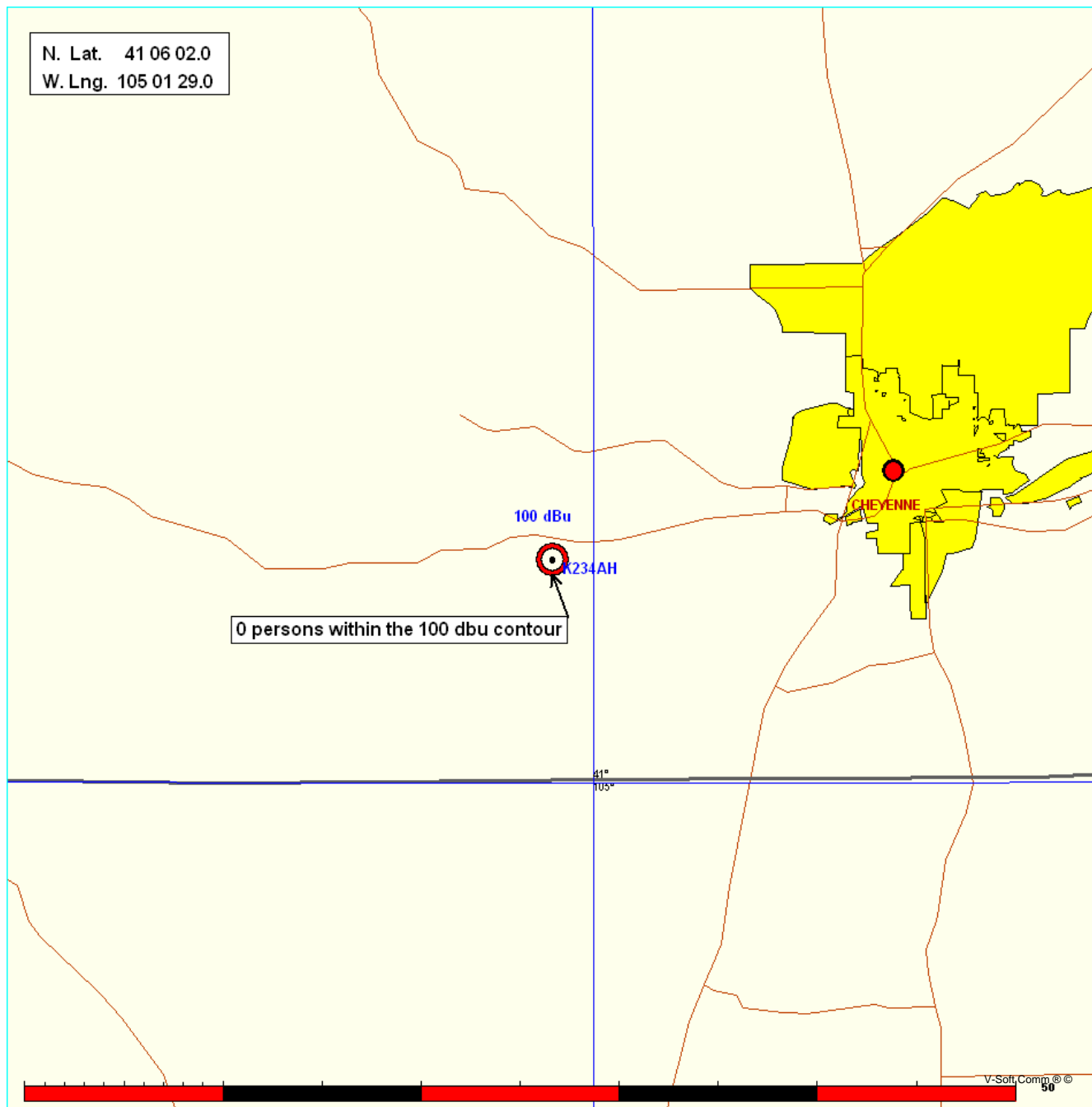


EXHIBIT E-1, FIGURE 5
PHOTO OF PROPOSED SITE
K234AH CHEYENNE, WY

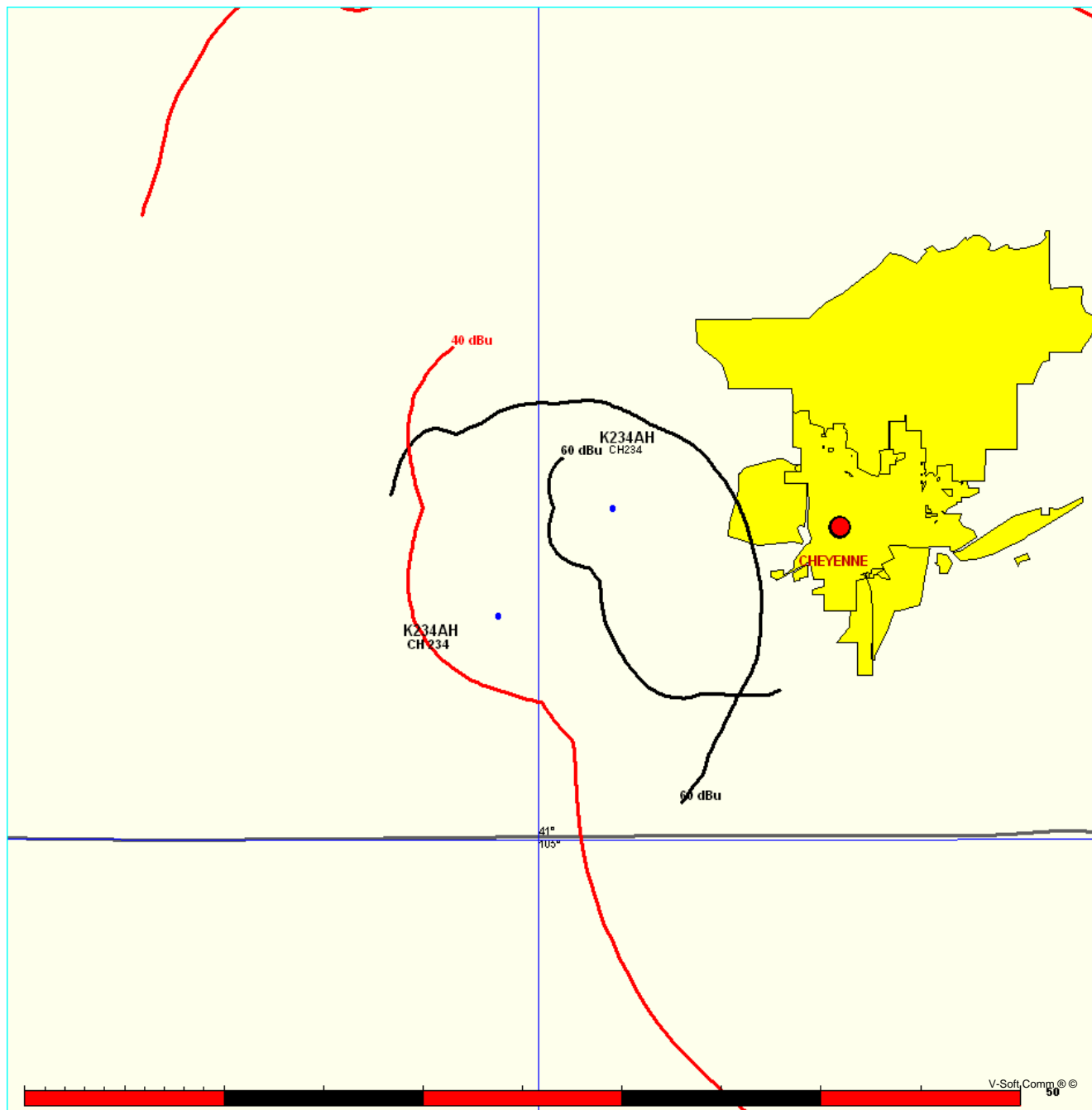


EXHIBIT E-1, FIGURE 6, OVERLAP WITH CURRENT K234AH
K234AH CHEYENNE, WY, CHANNEL 234D

FMCommander Single Allocation Study - 01-19-2009 - NGDC 30 SEC
K234AH's Overlaps (In= -16.31 km, Out= -38.23 km)

K234AH CH 234 D
Lat= 41 06 02.0, Lng= 105 01 29.0
0.092 kW 83.1 M HAAT, 2107 M COR
Prot.= 60 dBu, Intef.= 40 dBu

K234AH CH 234 D DA BMLFT20061107AAJ
Lat= 41 08 55.0, Lng= 104 57 22.0
0.169 kW 0 M HAAT, 2019 M COR
Prot.= 60 dBu, Intef.= 40 dBu



Contour.out

N. Lat. = 410602.0 W. Lng. = 1050129.0
 HAAT and Distance to Contour
 FCC, FM 2-10 Mi, 51 pts Method - NGDC 30 SEC

EXHIBIT E-1, FIGURE 7, TABULATION OF DISTANCES TO CONTOURS

Azi.	AV EL	HAAT	dBk	60-F5	100-F1
000	2007.2	99.8	-10.36	10.10	0.67
030	1964.8	142.2	-10.36	11.97	0.67
060	1934.5	172.5	-10.36	13.28	0.67
090	1934.5	172.5	-10.36	13.28	0.67
120	1950.1	156.9	-10.36	12.63	0.67
150	1939.7	167.3	-10.36	13.07	0.67
180	1984.3	122.7	-10.36	11.13	0.67
210	2089.7	17.3	-10.36	5.52	0.67
240	2169.9	-62.9	-10.36	5.52	0.67
270	2194.0	-87.0	-10.36	5.52	0.67
300	2091.9	15.1	-10.36	5.52	0.67
330	2022.4	84.6	-10.36	9.31	0.67

Ave El = 2023.58 M HAAT= 83.42 M AMSL= 2107