

EXHIBIT E-1
TECHNICAL STATEMENT
K268BW PINECLIFFE, COLORADO
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
AUGUST 2009

This Technical Statement is made in support of a minor change application for FM translator station, K268BW licensed to Pinecliffe, Colorado. K268BW seeks to “one step” channel change from its present licensed operation on channel 268D to its “I.F.” spaced channel of 214D, or 54 channels removed. It also seeks to increase its Effective Radiated Power from 5 watts to 57 watts, and add the use of a directional antenna system. The following will show that the new proposed operation of K268BW will meet all of the Commission's technical requirements for an FM translator station.

The new proposed operation of K268BW specifies a maximum Effective Radiated Power of 57 watts. It will operate with a directional antenna with an “off the shelf” type antenna, or a Scala Model CL-FM-V, vertical only polarized log periodic yagi type antenna with its maximum lobe oriented at 100 degrees. The antenna will be mounted on an existing tower with an over height of 13 meters above the ground. The antenna will be mounted with a Center of Radiation of 12 meters above the ground, and 3343 meters Above Mean Sea Level. The coordinates of this tower are located at N 39° 52' 09”, W 105° 33' 09”. There are no other antennas mounted on this tower at this time, except for the current K268BW antenna, which will be exchanged with the new Scala antenna.

Figure 1 is a detailed interference study conducted on channel 214 with these new proposed facilities. It shows that the new operation of K268BW will not cause any

interference to any existing or proposed FM stations on any of the pertinent CO or adjacent channels to channel 214, with the exception of KLDV Morrison, Colorado on channel 216C0. It will be shown that no actual interference will be caused to this 2nd adjacent channel station, since the proposed 100 dbμ interference contour proposed by K268BW towards this station will not cover any population, since the area of predicted interference nearby the proposed tower site is not inhabited. Therefore, a waiver is respectfully requested of C.F.R. 74.1204 based on no population within the area of predicted interference. A more detailed study of this fact will be addressed below.

Figure 2 shows that the predicted field strength received at the proposed K268BW tower site, generated by KLDV, as currently licensed, is 71.5 dbμ. Thus, the corresponding interference contour generated by K268BW would be 111.5 dbμ.

The worse case interference contour would be the 100 dbμ contour. It can be assumed that the smaller interference contour, or 111.5 dbμ, areas produced towards KLDV will also not cover any population.

Figure 5 is a picture of a site proposed site photo for K268BW. This is a very remote mountain top facility located on private land, and more then a mile beyond a locked gate on a rough two track dirt road which accesses the site. The proposed 100 dbμ contour will extend out 0.5 kilometers or 500 meters in the worse case maximum ERP azimuths. There are no occupied dwellings or persons living within a 500 meter radius of the proposed tower site. The proposed tower site is also un-occupied, has no indoor plumbing, and is used as an equipment shelter only.

Figure 4 is a U.S.G.S. 7.5 minute topographic map showing the area around the proposed site for K268BW. It also shows the proposed 100 dbμ interference contour. It

shows there are no buildings or homes located inside the maximum interference contour area.

Figure 3 shows the proposed 100 db μ coverage contour produced by K268BW. It also indicates there are 0 persons located within the 100 db μ interference contour.

Figure 7 is a tabulation of distances to the pertinent contours generated by the operation of K268BW at the proposed transmitter site.

Figure 6 is a tabulation of the technical data and antenna polar plot of the proposed directional antenna system for K268BW.

Since the proposed operation of K268BW Pinecliffe, Colorado on channel 214D will be considered a “fill-in” translator for KLDV Morrison, Colorado, on Channel 216C0, figure 2 also shows that the proposed 60 db μ protected contour of the proposed operation of K268BW will be completely contained inside of the protected 60 db μ contour of KLDV Morrison, Colorado. Thus, the maximum allowed “MERP” on any of the 12 pertinent terrain radials for this proposed translator can be exceeded, up to a maximum of 250 watts ERP. The maximum proposed ERP in any direction for K268BW is 57 watts.

Since no change in the transmitter location for K268BW is proposed, it can be assumed that the current and proposed operation’s 60 db μ will overlap with each other as required.

It was found that the new proposed operation of K268BW Pinecliffe, Colorado on channel 219D, will satisfy all of the required commission rules and regulations for an FM translator station.

EXHIBIT E-1, FIGURE 1, DETAILED INTERFERENCE STUDY

K268BW PINECLIFFE, CHANNEL 214

REFERENCE CH# 214D - 90.7 MHz, Pwr= 0.057 kW, HAAT= 461.3 M, COR= 3343 M DISPLAY DATES
 39 52 09.0 N. Average Protected F(50-50)= 19.28 km DATA 08-26-09
 105 33 09.0 W. Standard Directional SEARCH 08-28-09

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*
216C0 Morrison	KLDV	LIC _CX CO	135.5 315.7	41.9 BLED20060803AOY	39 36 00.0 105 12 35.0	100.000 356	8.7 2448	66.0 Educational Media Foundati	14.8	-24.3*<
213D Littleton	K213EG	LIC DE_ CO	119.7 299.9	31.3 BLFT20060602AAN	39 43 46.0 105 14 08.0	0.003	1.7 2241	1.6 Educational Communications	8.4	0.1
214A Frisco	KMPB	LIC _VX CO	224.7 44.4	58.1 BLED20090730ABK	39 29 47.0 106 01 43.0	3.200 -89	54.6 3228	13.4 Cedar Cove Broadcasting, I	1.5	22.2
214A Longmont	KGUD	LIC _CN CO	45.6 225.9	59.1 BLED19821018AU	40 14 24.0 105 03 19.0	0.100 82	28.7 1613	8.7 Longmont Community Radio	12.4	1.7
214A Longmont	1054946	APP _CX CO	45.5 225.8	59.1 BNPED20050301AEU	40 14 24.0 105 03 23.0	0.100 74	28.0 1610	8.4 R B Schools	13.1	1.9
213C0 Colorado Springs	KTLF	LIC _VX CO	154.3 334.8	138.3 BLED20040225AAB	38 44 43.0 104 51 39.0	20.000 673	117.1 2923	80.0 Educational Communications	2.8	31.1
211C1 Denver	KCFR-FM	LIC _CY CO	120.7 300.9	30.2 BLED19851115KB	39 43 49.0 105 14 59.0	50.000 277	2.7 2333	26.5 Public Broadcasting Of Col	3.9	3.2
211C1 Denver	KCFR-FM	CP DCX CO	127.1 307.3	36.0 BPED20030728AFL	39 40 25.0 105 13 01.0	44.000 342	2.5 2363	25.8 Public Broadcasting Of Col	10.2	9.1
06ZT Denver	KLPT-LP	CPM D_N CO	119.7 299.9	31.3 BMPTVL20090330AIX	39 43 46.0 105 14 08.0	3.000 563	9.3 2258	8.8 Syncom Media Group, Inc.	134.0R	13.2M
214A Estes Park	KEZD	CP DCX CO	2.9 182.9	54.6 BNPED20071018ADV	40 21 38.0 105 31 12.0	0.200 13	9.1 2730	2.8 Cedar Cove Broadcasting, I	33.6	43.7
214C2 Wiggins	KHWD	CP DCX CO	69.4 250.4	131.5 BNPED20071022ARC	40 16 29.0 104 06 17.0	3.800 275	73.5 1650	25.1 Calvary Chapel Aurora	35.7	40.5
215D Estes Park	K215BE	LIC _HN CO	2.9 182.9	54.6 BLFT19890321TF	40 21 38.0 105 31 13.0	0.018 14	5.2 2719	3.6 Community Radio For Northe	41.3	45.7
215D Dillon	K215BZ	LIC _VN CO	237.3 57.0	52.4 BLFT19970121TD	39 36 50.0 106 04 02.0	0.082 -285	7.6 2864	5.4 Educational Media Foundati	43.3	44.9
213C3 Fort Collins	KCSU-FM	LIC _CN CO	22.4 202.6	87.9 BLED19850124LR	40 36 00.0 105 09 21.0	10.000 -108	26.8 1613	18.1 Board Of Governors Of The	48.6	67.9
215D Loveland	K215ER	LIC DC_ CO	24.3 204.5	76.2 BLFT20070316ABP	40 29 37.0 105 10 53.0	0.006	11.3 2085	7.5 Mountain Community Transla	50.0	65.0
215D Loveland	K215ER	CP DC_ CO	24.3 204.5	76.2 BMPFT20070312ABY	40 29 37.0 105 10 53.0	0.006	9.4 2085	6.0 Mountain Community Transla	53.4	68.9
217D Frisco	K217FS	LIC _C_ CO	224.7 44.4	58.1 BLFT20081208AFL	39 29 47.0 106 01 43.0	0.023	0.3 3227	3.9 Educational Communications	56.8	54.2
215C0 Chugwater	KLWV	LIC _CX WY	3.0 183.0	160.3 BLED20040621ABR	41 18 39.0 105 27 12.0	100.000 361	88.6 2765	58.9 Educational Media Foundati	62.7	91.7
215D Vail, Etc.	K215BV	LIC DVN CO	250.1 69.6	81.8 BLFT19940223TA	39 36 58.0 106 26 57.0	0.250 -184	9.8 2731	6.9 Educational Media Foundati	70.4	73.3
215A Leadville	KTOL	LIC _C_ CO	222.5 42.0	95.3 BLED20080606AAR	39 14 05.0 106 17 59.0	0.450 -207	11.7 3083	8.3 Educational Communications	81.0	85.3
217C3 Gypsum	KLRY	LIC _CX CO	265.0 84.2	111.2 BLED20051109AAM	39 46 30.0 106 50 45.0	0.110 859	0.7 3361	28.3 Educational Media Foundati	108.9	82.9
213C2 Carbondale	KVOV	LIC DCX CO	252.7 71.6	163.8 BLED20040913AAA	39 25 08.0 107 22 10.0	0.450 775	73.7 3227	49.7 Public Broadcasting Of Col	88.5	112.3
211C2 Hayden	KHCO	LIC _VX CO	302.8 122.0	120.9 BLED20050819AEB	40 27 04.0 106 45 06.0	1.900 518	2.5 3136	31.2 Educational Media Foundati	116.7	89.7
211C2 Hayden	KHCO	CP _VX CO	302.8 122.0	120.9 BPED20060926ALE	40 27 04.0 106 45 06.0	1.800 522	2.5 3140	31.1 Educational Media Foundati	116.7	89.8
06 D Thomasville	K06OQ-D	CP D_N CO	239.7 59.0	112.7 BDCCDTV20061027AFY	39 21 12.0 106 41 00.0	0.020 268	0.5 2666	3.0 Pitkin County Translator D	134.0R	109.3M

Page # 2											
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)
217C2 Salida	KTPF	LIC _C_ CO		194.1 13.9	162.8 BLED20070817ACM	38 26 48.0 106 00 36.0	0.390 900	1.4 3567	50.1 Educational	160.9	112.6
06NT Manitou Springs	K06BI	LI DHN CO		153.3 333.7	124.8 BLTTTV1446	38 51 50.0 104 54 15.0	0.001 188	2.9 2012	0.1 City Of Manitou Springs	134.0R	121.8M
06NT Salida, Etc.	K06HF	LI DHN CO		204.1 23.7	136.8 BLTTTV19780731JJ	38 44 37.0 106 11 50.0	0.021 868	2.9 3298	0.1 Chaffee County Tv Translat	134.0R	2.8M
06NT Aspen	K06HU	LI DHN CO		237.3 56.5	131.2 BLTTTV4032	39 13 33.0 106 50 00.0	0.012 504	0.5 2767	2.9 Pitkin County Translator D	134.0R	127.8M
06 T Aspen	K06HU	CP D_N CO		237.3 56.5	131.2 BDFCDTV20090624ACG	39 13 33.0 106 50 00.0	0.006 619	0.4 2882	2.9 Pitkin County Translator D	134.0R	127.9M
214A Sterling	KDRE	LIC _VX CO		68.0 249.6	229.8 BLED20051006AAI	40 36 56.0 103 02 02.0	1.600 154	79.3 1447	27.2 Educational Media Foundati	131.9	141.3
212C2 Cheyenne	KWYC	CP _CX WY		31.6 212.3	176.5 BMPED20070808ACK	41 13 01.0 104 26 53.0	34.000 130	4.7 1848	43.4 Calvary Chapel Of Twin Fal	170.3	132.8
213A Brush	NEW	CP DCX CO		73.9 255.1	169.1 BNPED20071018AXH	40 16 30.0 103 38 33.0	0.250 56	6.1 1370	4.4 Academy Media Inc.	142.8	136.8
212C2 Orchard Valley	KWYC	LIC _CX WY		31.6 212.3	176.5 BLED20050825AFD	41 13 01.0 104 26 53.0	20.000 130	4.0 1848	39.1 Calvary Chapel Of Twin Fal	170.9	137.2
216C2 Craig	NEW	CP _VX CO		294.5 113.2	191.4 BNPED20071018AXB	40 33 51.0 107 36 37.0	8.000 274	4.7 2290	49.8 Academy Media Inc.	184.9	141.6
211C3 Pitkin	KPKN	CP DVX CO		203.6 23.1	166.2 BNPED20071022BIR	38 29 46.0 106 19 05.0	1.000 464	1.3 3629	19.1 1 A Chord, Inc	164.1	146.9
211A Laramie	KUWL	LIC _CX WY		2.9 183.0	160.2 BLED20080303AIZ	41 18 36.0 105 27 17.0	0.110 295	0.7 2699	10.1 University Of Wyoming	158.9	150.0
212A Crested Butte	KBUT	LIC _CN CO		229.1 48.2	162.7 BLED19981125KH	38 54 11.0 106 58 23.0	0.225 -194	1.1 2985	6.9 Crested Butte Mountain Edu	160.4	155.8
214C1 Lingle	KUWV	CP _CX WY		17.5 198.3	317.0 BMPED20081031ABG	42 35 05.0 104 23 13.0	100.000 61	147.6 1583	52.1 University Of Wyoming	156.4	259.0
215A Rifle	NEW	CP _CX CO		257.8 76.3	212.6 BNPED20071018AXO	39 26 33.0 107 58 01.0	3.000 3	49.4 2242	33.0 Academy Media Inc.	161.1	164.0
217C3 Brush	KLZV	LIC _CX CO		80.1 261.6	196.1 BLED20070927AIN	40 08 56.0 103 17 04.0	6.000 129	3.1 1526	33.1 Educational Media Foundati	174.1	162.6

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.

EXHIBIT E-1, FIGURE 2, OVERLAP WITH KLDV CH. 216C0
K268BW PINECLIFFE, CHANNEL 214

Coverage Study - USGS 03 SEC
08-28-2009

KLDV CH216 C0 100.0 kW 2448M COR
Prot. = 60 dBu. Population = 2,348,147

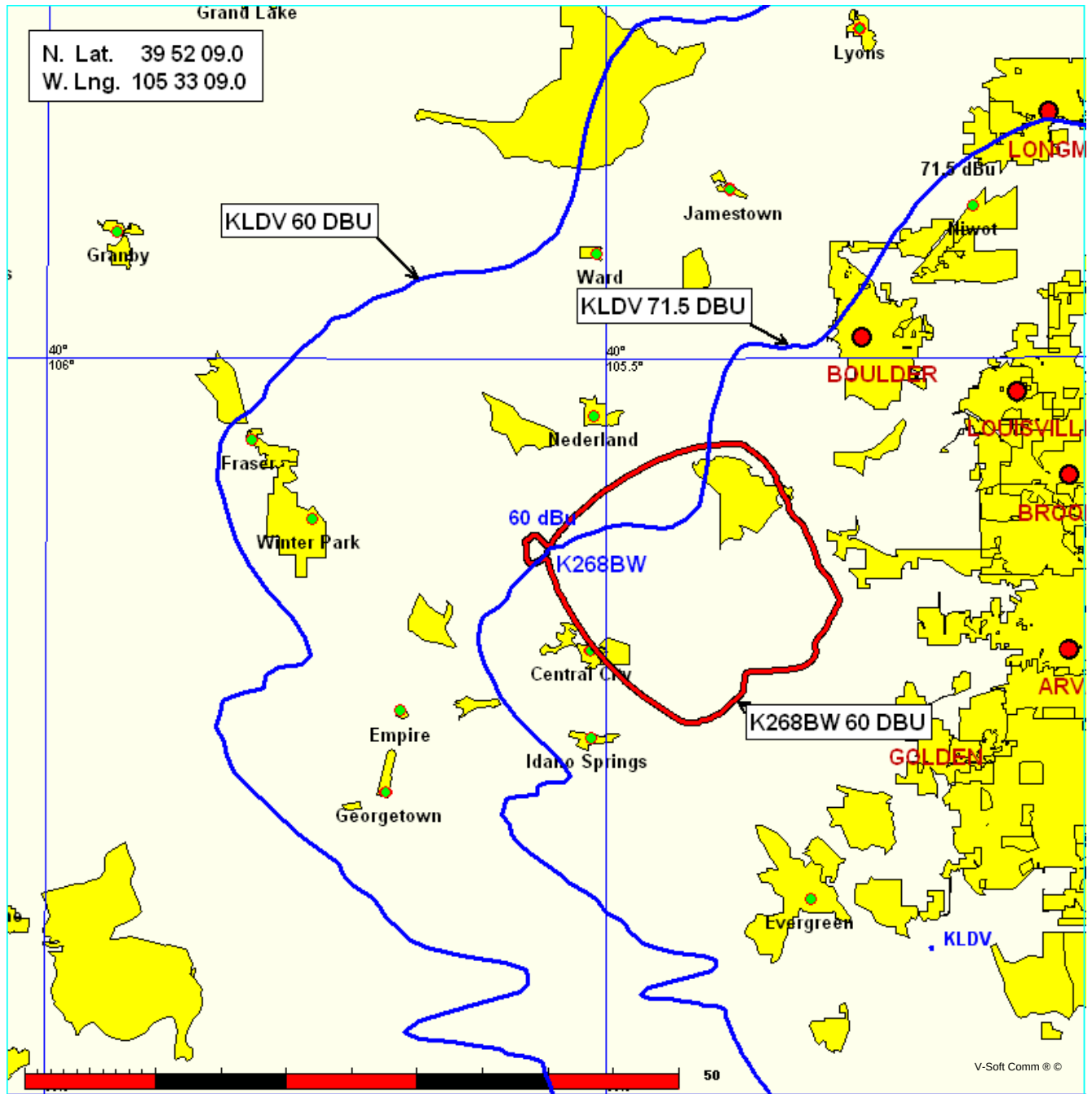
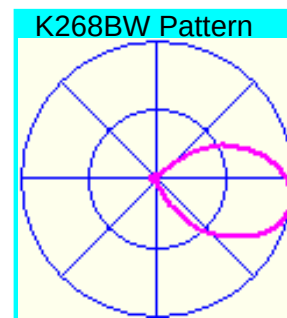
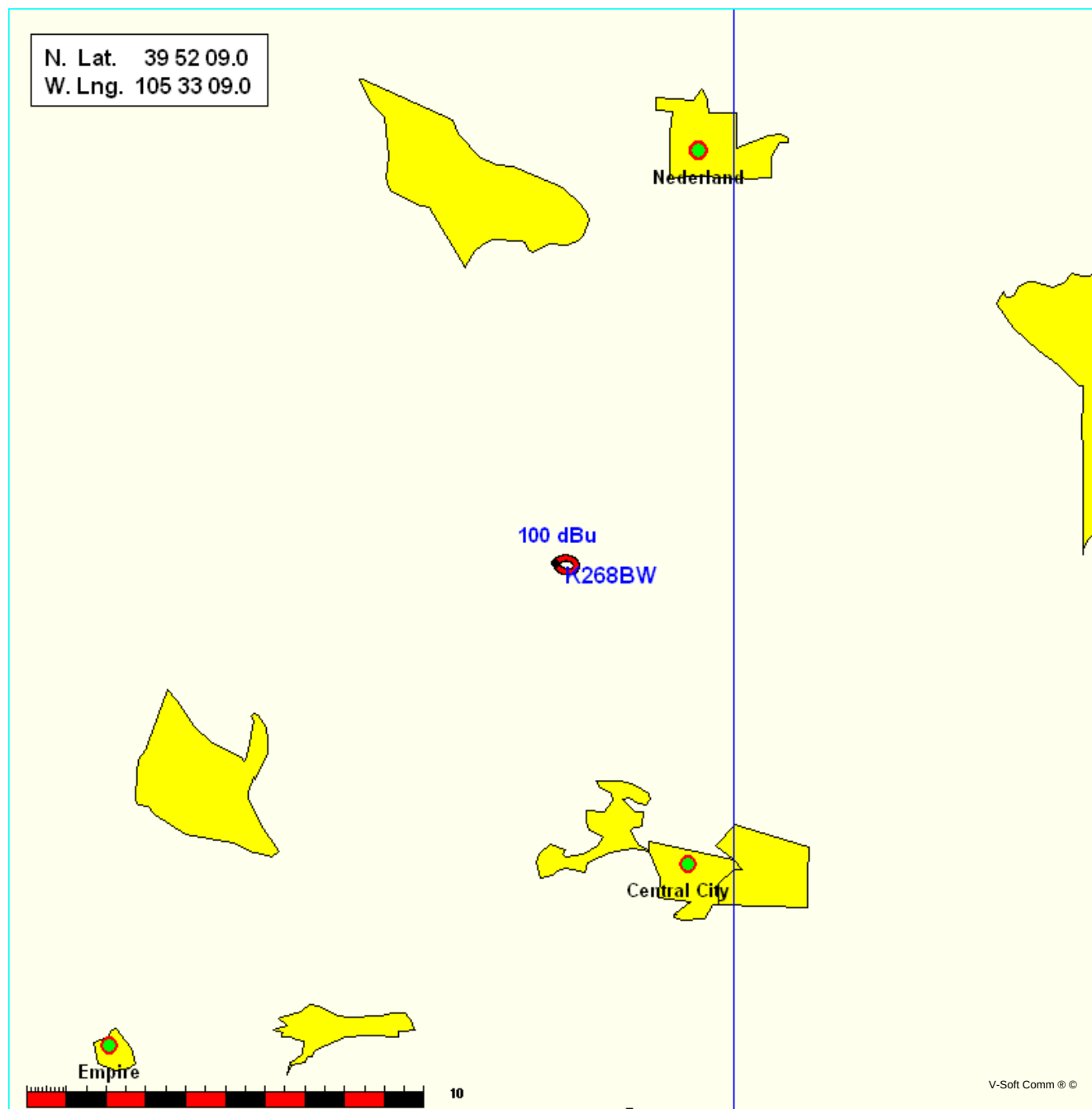


EXHIBIT E-1, FIGURE 3, 100 DBU INTEFERENCE CONTOUR
K268BW PINECLIFFE, CHANNEL 214

Coverage Study - USGS 03 SEC
08-28-2009

K268BW CH214 D 0.057 kW 3343M COR
Interference Contour = 100 dBu. Population = 0



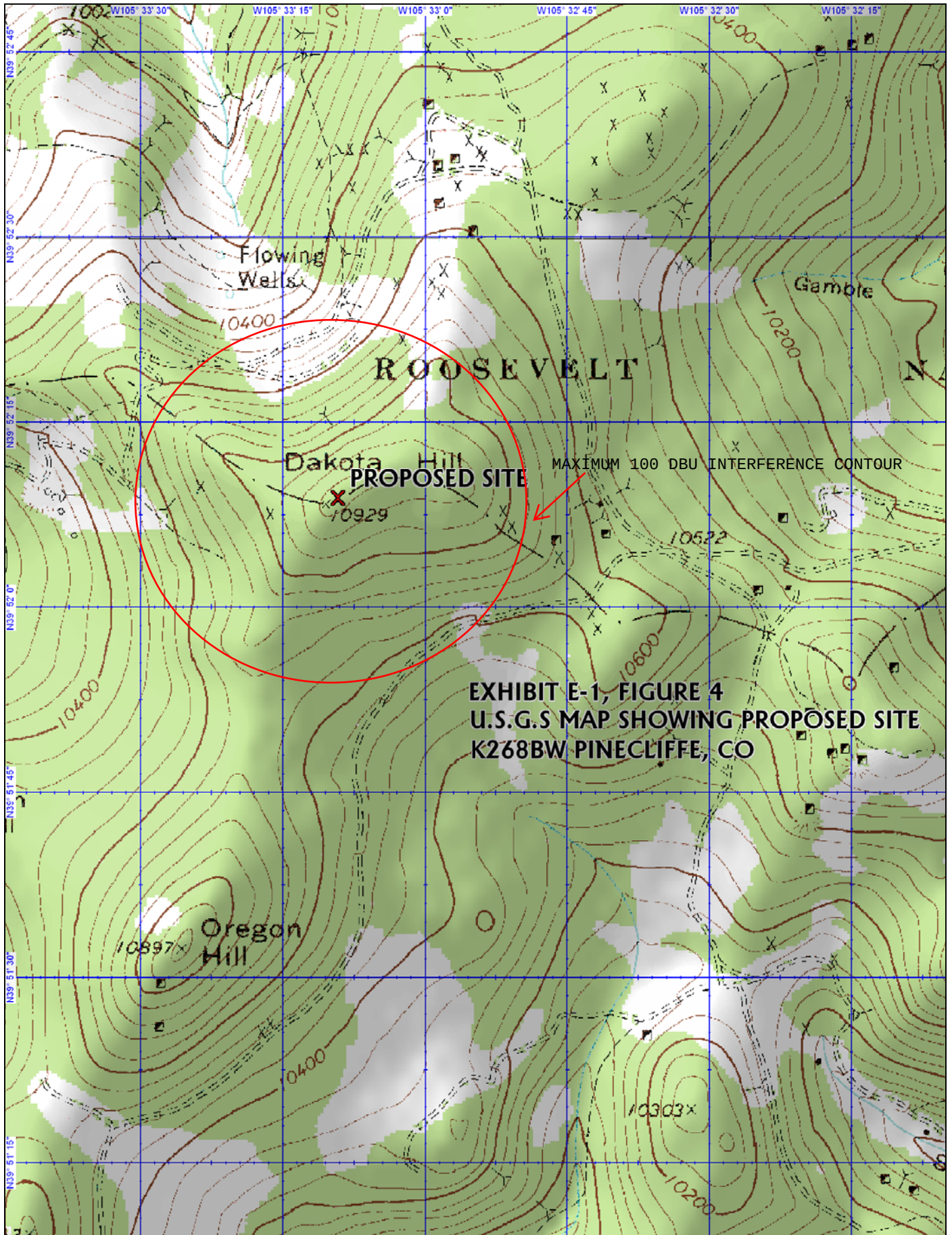


EXHIBIT E-1, FIGURE 4
U.S.G.S MAP SHOWING PROPOSED SITE
K268BW PINECLIFFE, CO

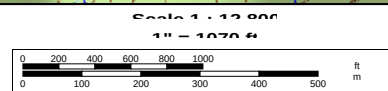


EXHIBIT E-1, FIGURE 5
PHOTO OF PROPOSED SITE
K268BW PINECLIFFE, CO CH. 214D



EXHBIT E-1, FIGURE 6

DIRECTIONAL ANTENNA DATA, K268BW PINECLIFFE, CO 08-28-2009

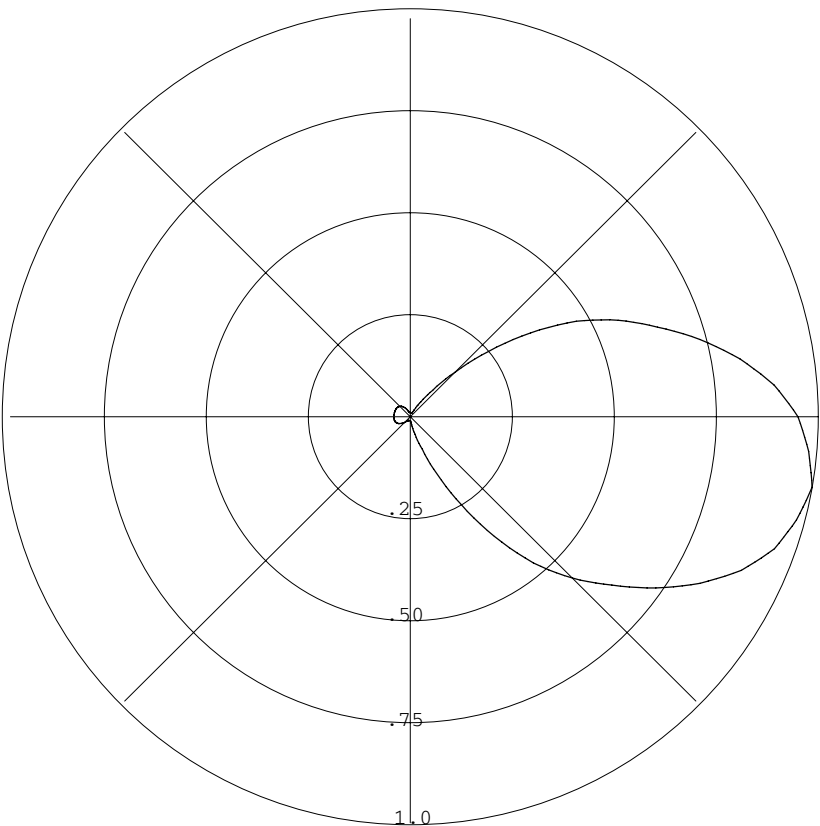
RMS(V)= .393

CHANNEL 214, 0.057 KW ERP, SCALA CLFM-V

Bearing Field % Voltage

Graph is Percent Relative Field Voltage

000	=	0.010
010	=	0.010
020	=	0.010
030	=	0.020
040	=	0.085
050	=	0.250
060	=	0.470
070	=	0.645
080	=	0.820
090	=	0.950
100	=	1.000
110	=	0.950
120	=	0.820
130	=	0.645
140	=	0.470
150	=	0.250
160	=	0.085
170	=	0.020
180	=	0.010
190	=	0.010
200	=	0.010
210	=	0.010
220	=	0.015
230	=	0.025
240	=	0.034
250	=	0.038
260	=	0.040
270	=	0.040
280	=	0.040
290	=	0.040
300	=	0.040
310	=	0.038
320	=	0.034
330	=	0.025
340	=	0.015
350	=	0.010



Contour.out

N. Lat. = 395209.0 W. Lng. = 1053309.0
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - USGS 03 SEC

EXHIBIT E-1, FIGURE 7, DISTANCE TO CONTOUR TABLES

Azi.	AV EL	HAAT	dBk	60-F5	100-F1	40-F1	54-F1
000	2834.4	508.6	-52.44	0.53	0.01	4.60	1.06
030	2587.4	755.6	-46.42	1.06	0.01	8.70	2.07
060	2597.8	745.2	-19.00	16.46	0.25	58.40	25.87
090	2806.4	536.6	-12.89	20.58	0.50	67.84	30.89
120	2852.2	490.8	-14.16	18.03	0.43	60.67	27.22
150	2596.9	746.1	-24.48	10.36	0.13	43.64	17.81
180	2679.0	664.0	-52.44	0.53	0.01	4.77	1.06
210	2857.4	485.6	-52.44	0.53	0.01	4.58	1.06
240	3286.7	56.3	-41.81	1.61	0.02	3.95	1.81
270	3260.5	82.5	-40.40	1.61	0.02	5.17	2.23
300	3167.9	175.1	-40.40	1.79	0.02	7.50	2.94
330	3040.8	302.2	-44.48	1.32	0.01	7.59	2.34

Ave El= 2880.61 M HAAT= 462.39 M AMSL= 3343