

Channel Study

REFERENCE		CH# 201C1- 88.1 MHz, Pwr= 45.5 kW, HAAT=368.5M, COR= 710 M								DISPLAY DATES	
41 18 40 N.		Average Protected F(50-50)= 69.4 km								DATA	10-10-06
96 01 37 W.		Ave. F(50-10) 40 dBu= 161.9 54 dBu= 101.5 80 dBu= 30.7 100 dBu= 8.9								SEARCH	10-11-06
CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*	
CITY		STATE	<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)	
201C3	KMLV	LIC	VX	0.0	0.00	41 18 40	3.700	584	36.0	-137.45*	-142.04*
Ralston		NE		0.0	BLED20050307AAP	96 01 37	214	95.2	Educational Media Foundati		
201A	970612	APP	VN	340.5	122.89	42 21 10	2.800	488	26.5	6.44	0.16
Hubbard		NE		160.2	BPED19970612MH	96 31 32	128	79.6	American Family Associatio		
201C3	980318	APP	VX	339.1	137.26	42 27 48	14.000	445	26.7	6.99	14.45
Ponca		NE		158.7	BPED19980318MD	96 37 29	57	93.4	St. Gabriel Communications		
203A	KLCV	LIC	VN	226.0	60.77	40 55 51	4.700	455	28.6	-11.35	23.20
Lincoln		NE		45.7	BLED19960719KA	96 32 50	116	2.7	Community Broadcasting, In		
201C1	KJTY	LIC	C	172.3	237.57	39 11 25	100.000	436	52.5	18.90	20.86
Topeka		KS		352.6	BLED19950120KA	95 39 29	109	148.0	Joy Public Broadcasting Co		
201A	KICB	LIC	CN	48.4	200.36	42 29 27	0.200	379	7.1	105.11	27.98
Fort Dodge		IA		229.7	BLED19820226AL	94 12 01	34	23.8	Iowa Central Community Col		
201A	KDPS	LIC	HN	80.5	201.66	41 35 01	5.200	350	24.1	51.29	13.92
Des Moines		IA		262.1	BLED261	93 38 28	76	80.0	Des Moines Independent Sch		
201A	KCNT	LIC	HN	248.0	210.41	40 34 52	2.300	632	18.9	76.65	30.71
Hastings		NE		66.5	BLED19820217AO	98 19 58	68	64.9	Central Community College		
202A	KQIQ	LIC	V	212.8	148.75	40 10 57	4.200	527	27.0	37.71	19.80
Beatrice		NE		32.2	BLED20010305AAD	96 58 32	108	41.4	Southeast Community Colleg		
06+2C	WOWTTV	LI	HY	0.0	0.00	41 18 40	100.000	761	110.6	265.0R	-265.0M
Omaha		NE		0.0	BLCT19831024KI	96 01 37	418	80.3	Gray Television Licensee,		
06NT	KTLJ-C	LI	HN	194.8	263.01	39 01 07	0.016	408	4.0	265.0R	-2.0M•
Junction City		KS		14.3	BLTVL19880729IX	96 48 14	84	86.8	Montgomery Communications,		

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

• affixed to TV6 Margin= no direct-line contour overlap.

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

* KLCV will be addressed in Exhibit 15 2

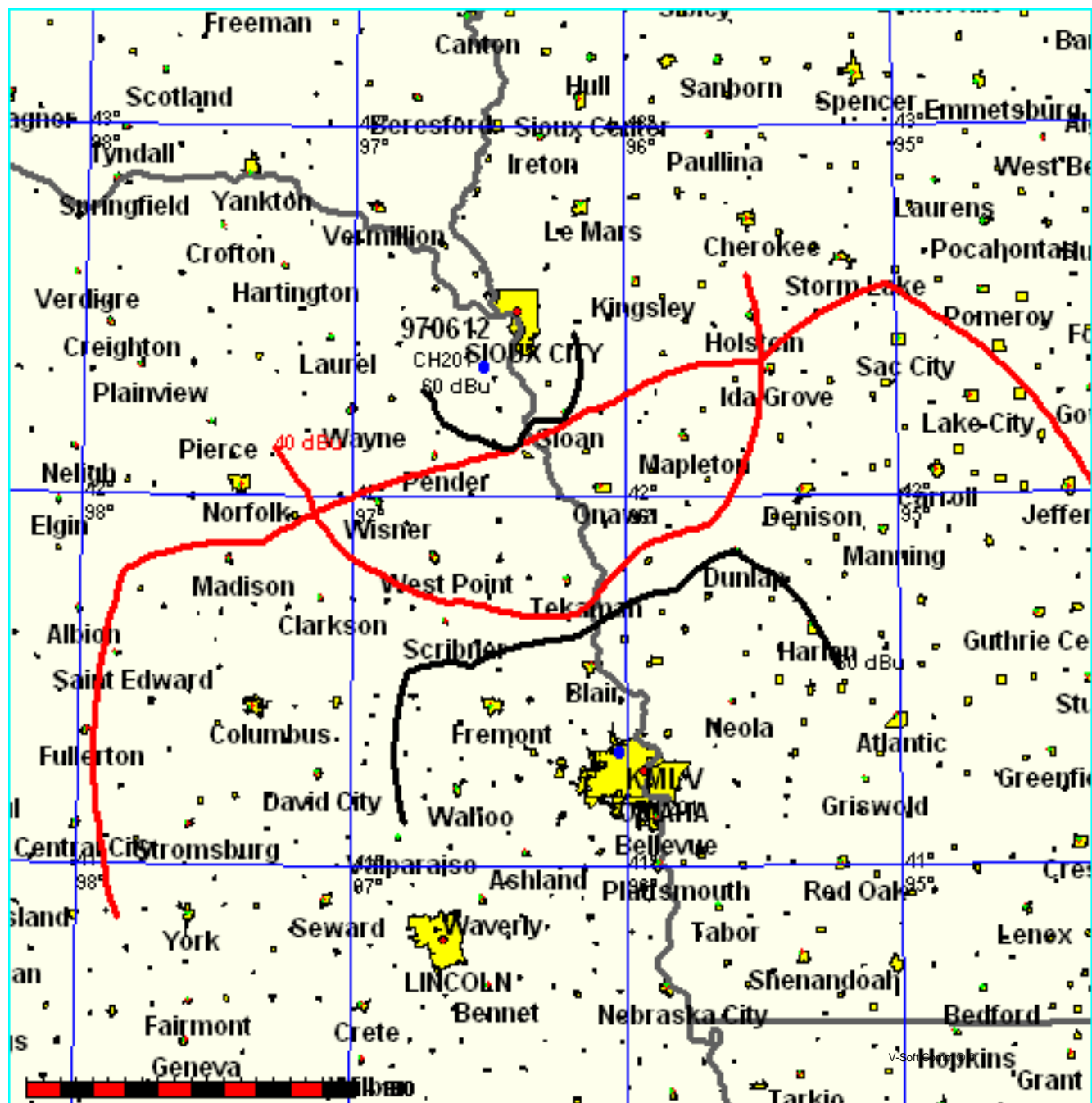
Exhibit 15 - A

FMCommander Allocation Study
10-11-2006

KMLV CH 201 C1
45.5 kW 710 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

970612 CH 201 A BPED19970612MH
2.8 kW, 488 M COR
Prot. = 60 dBu
Intef. = 40 dBu

Scale = 1:3,000,000



970612 Protected vs. KMLV Interfering

10-11-2006 30 Arc-Sec. Sec. Terrain Data

970612 BPED19970612MH
Channel = 201A
Max ERP = 2.8 kW
RCAMSL = 488 M
N. Lat = 42 21 10
W. Lng = 96 31 32
Protected
60 dBu

KMLV
Channel = 201C1
Max ERP = 45.5 kW
RCAMSL = 710 M
N. Lat = 41 18 40
W. Lng = 96 01 37
Interfering
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)
105.0	002.8000	0162.3	029.5	353.2	002.2788	0343.0	108.8	38.02
106.0	002.8000	0162.2	029.5	353.1	002.2670	0343.0	108.4	38.12
107.0	002.8000	0162.1	029.5	353.0	002.2549	0343.0	107.9	38.23
108.0	002.8000	0162.1	029.5	352.9	002.2424	0343.0	107.4	38.33
109.0	002.8000	0162.0	029.5	352.8	002.2293	0343.0	107.0	38.44
110.0	002.8000	0162.0	029.5	352.7	002.2157	0343.0	106.5	38.54
111.0	002.8000	0161.9	029.5	352.5	002.2017	0343.0	106.1	38.64
112.0	002.8000	0161.9	029.5	352.4	002.1872	0341.3	105.6	38.67
113.0	002.8000	0161.9	029.5	352.3	002.1722	0341.3	105.2	38.77
114.0	002.8000	0161.9	029.5	352.1	002.1566	0341.3	104.7	38.86
115.0	002.8000	0161.8	029.5	352.0	002.1403	0341.3	104.3	38.95
116.0	002.8000	0161.7	029.4	351.8	002.1233	0341.3	103.9	39.04
117.0	002.8000	0161.4	029.4	351.6	002.1054	0341.3	103.5	39.12
118.0	002.8000	0161.1	029.4	351.4	002.0866	0339.7	103.1	39.14
119.0	002.8000	0160.7	029.4	351.3	002.0671	0339.7	102.7	39.22
120.0	002.8000	0160.2	029.3	351.1	002.0470	0339.7	102.3	39.29
121.0	002.8000	0159.6	029.3	350.9	002.0259	0339.7	102.0	39.35
122.0	002.8000	0158.7	029.2	350.6	002.0036	0339.7	101.6	39.40
123.0	002.8000	0157.3	029.1	350.4	001.9788	0339.1	101.3	39.41
124.0	002.8000	0154.7	028.8	350.1	001.9500	0339.1	101.1	39.41
125.0	002.8000	0150.2	028.5	349.8	001.9263	0339.1	101.0	39.38
126.0	002.8000	0143.6	027.9	349.3	001.9040	0339.0	101.1	39.31
127.0	002.8000	0136.0	027.2	348.9	001.8804	0339.0	101.2	39.21
128.0	002.8000	0128.6	026.6	348.5	001.8579	0339.0	101.4	39.11
129.0	002.8000	0122.3	026.1	348.1	001.8377	0339.0	101.5	39.03
130.0	002.8000	0117.0	025.6	347.7	001.8192	0339.0	101.6	38.96
131.0	002.8000	0112.7	025.2	347.4	001.8018	0339.9	101.7	38.93
132.0	002.8000	0108.6	024.8	347.0	001.7848	0339.9	101.8	38.86
133.0	002.8000	0104.3	024.3	346.7	001.7673	0339.9	101.9	38.78
134.0	002.8000	0100.0	023.8	346.4	001.7499	0341.7	102.1	38.75
135.0	002.8000	0096.1	023.4	346.0	001.7334	0341.7	102.2	38.66
136.0	002.8000	0092.8	023.0	345.7	001.7182	0341.7	102.4	38.58
137.0	002.8000	0090.2	022.7	345.5	001.7042	0343.6	102.5	38.59
138.0	002.8000	0088.5	022.5	345.2	001.6917	0343.6	102.5	38.55
139.0	002.8000	0087.9	022.4	345.0	001.6811	0343.6	102.4	38.55
140.0	002.8000	0088.3	022.4	344.8	001.6720	0343.6	102.1	38.59
141.0	002.8000	0089.3	022.6	344.6	001.6634	0343.6	101.9	38.65
142.0	002.8000	0090.6	022.7	344.5	001.6550	0345.1	101.6	38.77
143.0	002.8000	0092.0	022.9	344.3	001.6465	0345.1	101.3	38.84
144.0	002.8000	0093.1	023.0	344.1	001.6374	0345.1	101.0	38.89
145.0	002.8000	0094.0	023.1	343.9	001.6279	0345.1	100.8	38.94
146.0	002.8000	0095.1	023.3	343.7	001.6183	0345.1	100.5	38.98
147.0	002.8000	0096.5	023.4	343.5	001.6089	0345.1	100.2	39.04
148.0	002.8000	0098.3	023.7	343.3	001.5995	0347.4	099.9	39.19

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Exhibit 15 - A1

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Ralston, NE

149.0	002.8000	0100.3	023.9	343.1	001.5900	0347.4	099.6	39.26
150.0	002.8000	0102.5	024.1	342.9	001.5803	0347.4	099.3	39.33
151.0	002.8000	0104.9	024.4	342.7	001.5703	0347.4	098.9	39.40
152.0	002.8000	0107.8	024.7	342.5	001.5603	0347.4	098.5	39.49
153.0	002.8000	0111.6	025.1	342.3	001.5502	0349.6	098.1	39.67
154.0	002.8000	0115.7	025.5	342.1	001.5397	0349.6	097.6	39.77
155.0	002.8000	0119.2	025.8	341.9	001.5284	0349.6	097.2	39.85
156.0	002.8000	0121.7	026.0	341.6	001.5166	0349.6	097.0	39.90
157.0	002.8000	0123.8	026.2	341.3	001.5044	0350.3	096.8	39.95
158.0	002.8000	0125.9	026.4	341.1	001.4920	0350.3	096.6	39.97
159.0	002.8000	0127.5	026.5	340.8	001.4794	0350.3	096.4	39.98
160.0	002.8000	0127.9	026.6	340.5	001.4667	0350.3	096.4	39.96
161.0	002.8000	0127.2	026.5	340.3	001.4541	0349.5	096.4	39.87
162.0	002.8000	0125.4	026.3	340.0	001.4417	0349.5	096.6	39.79
163.0	002.8000	0122.7	026.1	339.7	001.4536	0349.5	096.8	39.75
164.0	002.8000	0119.7	025.9	339.5	001.4654	0348.0	097.1	39.65
165.0	002.8000	0116.3	025.5	339.2	001.4767	0348.0	097.5	39.58
166.0	002.8000	0113.4	025.3	339.0	001.4877	0348.0	097.8	39.52
167.0	002.8000	0110.8	025.0	338.8	001.4986	0348.0	098.1	39.46
168.0	002.8000	0109.2	024.8	338.5	001.5096	0348.0	098.3	39.42
169.0	002.8000	0108.3	024.8	338.3	001.5207	0346.1	098.5	39.34
170.0	002.8000	0107.0	024.6	338.1	001.5315	0346.1	098.7	39.30
171.0	002.8000	0104.9	024.4	337.9	001.5415	0346.1	099.0	39.24
172.0	002.8000	0102.8	024.2	337.7	001.5511	0346.1	099.4	39.17
173.0	002.8000	0100.5	023.9	337.5	001.5603	0344.3	099.7	39.03
174.0	002.8000	0098.2	023.6	337.3	001.5690	0344.3	100.1	38.94
175.0	002.8000	0096.1	023.4	337.1	001.5777	0344.3	100.5	38.86
176.0	002.8000	0094.4	023.2	336.9	001.5864	0344.3	100.8	38.79
177.0	002.8000	0092.4	022.9	336.8	001.5944	0344.3	101.1	38.71
178.0	002.8000	0090.3	022.7	336.6	001.6019	0344.3	101.5	38.61
179.0	002.8000	0088.1	022.4	336.5	001.6090	0343.8	101.9	38.50
180.0	002.8000	0086.3	022.2	336.3	001.6161	0343.8	102.3	38.41
181.0	002.8000	0085.6	022.1	336.1	001.6248	0343.8	102.5	38.37
182.0	002.8000	0085.0	022.0	336.0	001.6332	0343.8	102.8	38.32
183.0	002.8000	0083.7	021.9	335.8	001.6404	0343.8	103.1	38.24
184.0	002.8000	0081.3	021.6	335.7	001.6455	0343.8	103.5	38.13
185.0	002.8000	0080.1	021.4	335.6	001.6522	0343.8	103.9	38.05
186.0	002.8000	0080.3	021.4	335.4	001.6612	0343.8	104.0	38.03
187.0	002.8000	0082.4	021.7	335.2	001.6738	0343.8	104.0	38.07
188.0	002.8000	0084.7	022.0	334.9	001.6869	0343.8	103.9	38.12
189.0	002.8000	0085.7	022.1	334.7	001.6974	0343.8	104.1	38.11
190.0	002.8000	0085.2	022.1	334.5	001.7051	0343.8	104.3	38.05

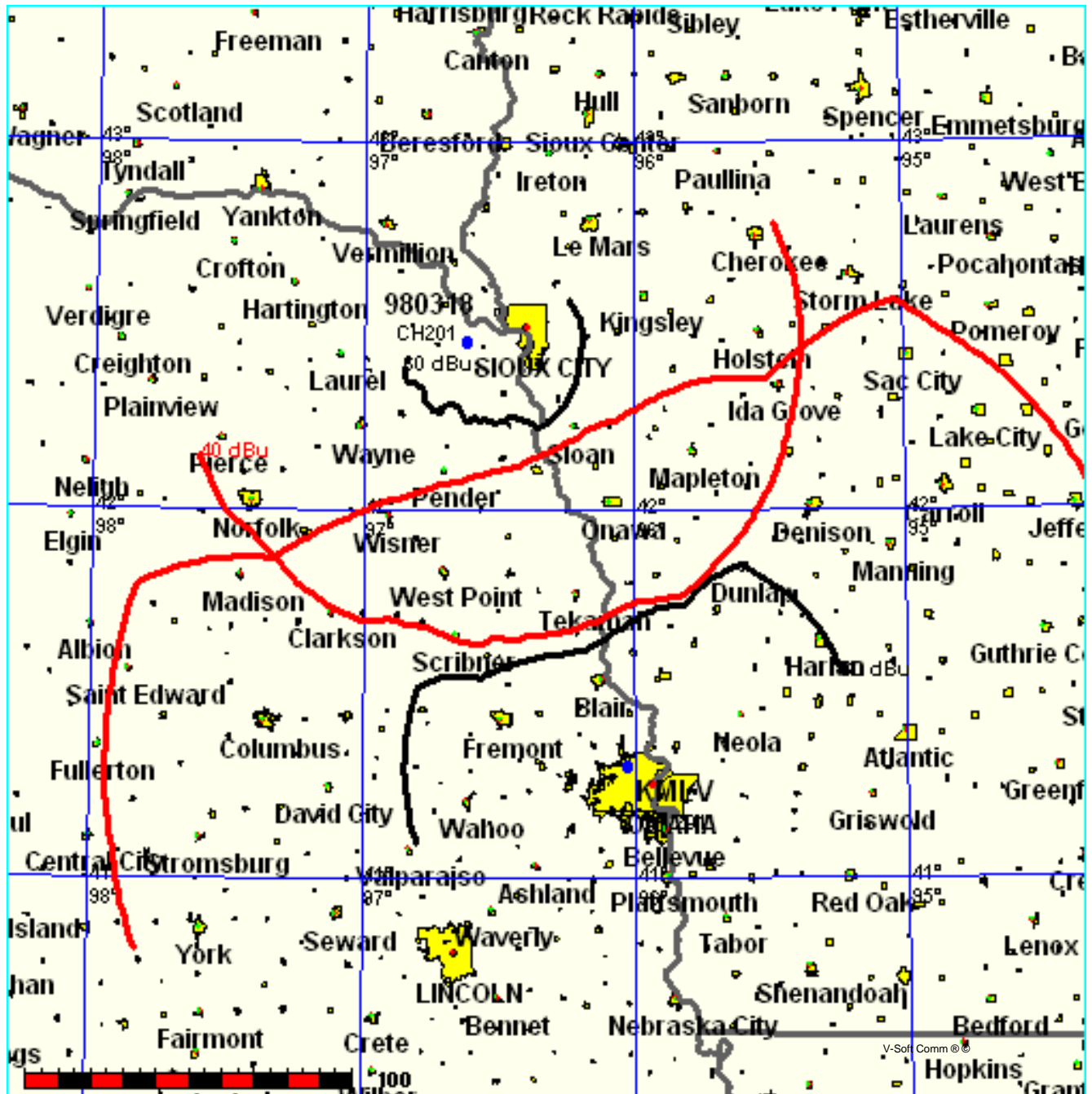
Exhibit 15 - B

FMCommander Allocation Study
10-11-2006

KMLV CH 201 C1
45.5 kW 710 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

980318 CH 201 C3 BPED19980318MD
14.0 kW, 445 M COR
Prot. = 60 dBu
Intef. = 40 dBu

Scale = 1:3,000,000



KMLV Protected vs. 980318 Interfering

10-11-2006

30 Arc-Sec. Terrain Data

FMOver Analysis

KMLV

Channel = 201C1

Max ERP = 45.5 kW

RCAMSL = 710 M

N. Lat = 41 18 40

W. Lng = 96 01 37

Protected

60 dBu

980318 BPED19980318MD

Channel = 201C3

Max ERP = 14 kW

RCAMSL = 445 M

N. Lat = 42 27 48

W. Lng = 96 37 29

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
307.0	005.6576	0350.8	048.1	173.6	014.0000	0041.8	099.7	38.03
308.0	005.3890	0350.2	047.6	173.0	014.0000	0043.8	099.4	38.16
309.0	005.1269	0349.2	047.1	172.5	014.0000	0047.4	099.2	38.35
310.0	004.8714	0347.7	046.5	171.9	014.0000	0047.4	099.0	38.38
311.0	004.6731	0345.8	046.1	171.4	014.0000	0049.1	098.9	38.49
312.0	004.4789	0344.1	045.6	170.9	014.0000	0049.1	098.7	38.52
313.0	004.2888	0343.0	045.2	170.3	014.0000	0048.9	098.6	38.54
314.0	004.1028	0342.6	044.7	169.8	014.0000	0048.9	098.4	38.57
315.0	003.9210	0342.3	044.3	169.3	014.0000	0047.8	098.3	38.54
316.0	003.7433	0341.5	043.9	168.8	014.0000	0047.8	098.3	38.56
317.0	003.5697	0340.3	043.4	168.3	014.0000	0047.2	098.2	38.53
318.0	003.4002	0339.1	043.0	167.8	014.0000	0047.2	098.3	38.53
319.0	003.2349	0338.0	042.5	167.3	014.0000	0047.4	098.3	38.53
320.0	003.0736	0337.0	042.0	166.7	014.0000	0047.4	098.4	38.51
321.0	002.9485	0336.7	041.7	166.3	014.0000	0048.5	098.4	38.56
322.0	002.8260	0337.2	041.4	165.8	014.0000	0048.5	098.4	38.56
323.0	002.7060	0337.7	041.0	165.3	014.0000	0049.8	098.4	38.61
324.0	002.5887	0337.7	040.7	164.9	014.0000	0049.8	098.5	38.60
325.0	002.4740	0337.6	040.3	164.4	014.0000	0051.2	098.6	38.64
326.0	002.3619	0337.9	040.0	164.0	014.0000	0051.2	098.7	38.61
327.0	002.2523	0338.5	039.6	163.5	014.0000	0051.2	098.8	38.59
328.0	002.1454	0339.2	039.3	163.1	014.0000	0052.4	098.9	38.61
329.0	002.0411	0339.9	038.9	162.6	014.0000	0052.4	099.1	38.57
330.0	001.9393	0340.7	038.5	162.2	014.0000	0053.4	099.3	38.57
331.0	001.8863	0341.3	038.4	161.8	014.0000	0053.4	099.4	38.56
332.0	001.8339	0341.8	038.2	161.4	014.0000	0054.9	099.4	38.61
333.0	001.7823	0342.3	038.0	161.0	014.0000	0054.9	099.5	38.59
334.0	001.7314	0343.2	037.8	160.6	014.0000	0054.9	099.6	38.57
335.0	001.6813	0343.8	037.6	160.2	014.0000	0056.5	099.7	38.61
336.0	001.6319	0343.8	037.4	159.9	014.0000	0056.5	099.9	38.57
337.0	001.5832	0344.3	037.1	159.5	014.0000	0057.2	100.1	38.57
338.0	001.5353	0346.1	037.0	159.1	014.0000	0057.2	100.2	38.54
339.0	001.4881	0348.0	036.8	158.7	014.0000	0057.2	100.4	38.52
340.0	001.4416	0349.5	036.7	158.4	014.0000	0057.1	100.6	38.47
341.0	001.4881	0350.3	037.0	158.0	014.0000	0057.1	100.3	38.53
342.0	001.5353	0349.6	037.2	157.6	014.0000	0057.1	100.1	38.56
343.0	001.5832	0347.4	037.3	157.2	014.0000	0057.2	100.1	38.58
344.0	001.6319	0345.1	037.4	156.9	014.0000	0057.2	100.0	38.59
345.0	001.6813	0343.6	037.6	156.5	014.0000	0058.1	099.9	38.64
346.0	001.7314	0341.7	037.7	156.1	014.0000	0058.1	099.9	38.64
347.0	001.7823	0339.9	037.8	155.7	014.0000	0058.1	099.9	38.65
348.0	001.8339	0339.0	038.0	155.3	014.0000	0059.1	099.9	38.69
349.0	001.8863	0339.0	038.2	154.9	014.0000	0059.1	099.8	38.71
350.0	001.9393	0339.1	038.5	154.5	014.0000	0059.4	099.8	38.73

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Exhibit 15 - B1

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Ralston, NE

351.0	002.0411	0339.7	038.9	154.1	014.0000	0059.4	099.5	38.77
352.0	002.1454	0341.3	039.4	153.6	014.0000	0059.4	099.3	38.83
353.0	002.2523	0343.0	039.8	153.1	014.0000	0058.9	099.0	38.85
354.0	002.3619	0342.9	040.2	152.7	014.0000	0058.9	098.9	38.87
355.0	002.4740	0341.7	040.5	152.2	014.0000	0057.8	098.9	38.83
356.0	002.5887	0339.0	040.7	151.8	014.0000	0057.8	099.0	38.81
357.0	002.7060	0335.9	040.9	151.4	014.0000	0057.1	099.1	38.76
358.0	002.8260	0334.9	041.2	150.9	014.0000	0057.1	099.2	38.75
359.0	002.9485	0337.6	041.7	150.4	014.0000	0057.7	099.1	38.80
000.0	003.0736	0340.4	042.2	149.9	014.0000	0057.7	099.0	38.81
001.0	003.2349	0342.8	042.8	149.4	014.0000	0059.4	098.9	38.90
002.0	003.4002	0344.9	043.3	148.9	014.0000	0059.4	098.9	38.91
003.0	003.5697	0347.9	043.9	148.3	014.0000	0061.2	098.8	38.99
004.0	003.7433	0350.6	044.4	147.7	014.0000	0061.2	098.8	38.99
005.0	003.9210	0352.8	044.9	147.2	014.0000	0063.4	098.9	39.07
006.0	004.1028	0354.2	045.4	146.7	014.0000	0063.4	099.0	39.05
007.0	004.2888	0356.3	045.9	146.1	014.0000	0066.9	099.1	39.16
008.0	004.4789	0358.7	046.4	145.6	014.0000	0066.9	099.3	39.13
009.0	004.6731	0361.6	047.0	145.0	014.0000	0071.4	099.4	39.28
010.0	004.8714	0363.9	047.5	144.5	014.0000	0075.6	099.6	39.40
011.0	005.1269	0364.6	048.0	143.9	014.0000	0075.6	099.9	39.35
012.0	005.3890	0363.7	048.4	143.4	014.0000	0080.0	100.2	39.45
013.0	005.6576	0362.2	048.8	143.0	014.0000	0080.0	100.6	39.36
014.0	005.9327	0360.3	049.1	142.5	014.0000	0086.0	101.1	39.49
015.0	006.2144	0358.9	049.5	142.0	014.0000	0086.0	101.5	39.39
016.0	006.5026	0358.4	049.9	141.6	014.0000	0086.0	102.0	39.29
017.0	006.7973	0358.5	050.3	141.1	014.0000	0092.8	102.5	39.44
018.0	007.0985	0358.4	050.7	140.6	014.0000	0092.8	103.0	39.33
019.0	007.4063	0358.2	051.1	140.2	014.0000	0098.2	103.5	39.41
020.0	007.7206	0358.1	051.4	139.7	014.0000	0098.2	104.1	39.29
021.0	010.0824	0358.6	054.0	138.3	014.0000	0102.7	103.7	39.54
022.0	012.7589	0359.9	056.2	136.9	014.0000	0103.2	103.5	39.59
023.0	015.7501	0361.6	058.4	135.6	014.0000	0103.5	103.6	39.59
024.0	019.0559	0363.2	060.3	134.4	014.0000	0104.0	103.8	39.55
025.0	022.6765	0364.6	062.1	133.3	014.0000	0104.4	104.2	39.48
026.0	026.6118	0366.3	063.8	132.2	014.0000	0104.8	104.8	39.38
027.0	030.8618	0368.5	065.4	131.2	014.0000	0105.2	105.4	39.25
028.0	035.4265	0370.7	067.0	130.2	014.0000	0105.7	106.2	39.11
029.0	040.3059	0372.5	068.4	129.3	014.0000	0106.2	107.1	38.95
030.0	045.5000	0373.5	069.7	128.5	014.0000	0106.2	108.0	38.75
031.0	045.5000	0373.8	069.7	128.4	014.0000	0106.8	109.2	38.53
032.0	045.5000	0373.7	069.7	128.3	014.0000	0106.8	110.4	38.30
033.0	045.5000	0373.6	069.7	128.2	014.0000	0106.8	111.7	38.06