ASR Registration Search

Registration 1044646

Map Registration

Exhibit 12.1 - Copy of Existing Antenna Structure Registration

Registration Detail

Reg Number	1044646	Status	Constructed
File Number	A0052680	Constructed	01/01/1994
FAA Study	94-ANM-0377-OE	EMI	No
FAA Issue Date	09/29/1995	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long	40-48-29.0 N 111-53-25.0 W	E OF BONNEVILLE DR BETWEEN JONES AND HALL CANYONS
City, State	SALT LAKE CITY , UT	
Center of AM Array		

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
1810.8	40.2
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
1851.0	37.2

Painting and Lighting Specifications

None

Owner & Contact Information

FRN	0001604131	Licensee ID	L00121514

Owner

ALPHA COMMUNICATIONS SITES DBA = UTAH COMMUNICATIONS INC
Attention To: MIKE MILLER
1202 S 300 W
SALT LAKE CITY , UT 84109

P: (801)486-0161
E:

Contact

P:
E:

Last Action Status

Status	Constructed	Received	04/02/1998
Purpose	New	Entered	04/03/1998
Mode	Mail In (Manual)		

Related Applications

04/02/1998 A0052680 - New (NE)

Comments

Comments

None

Automated Letters

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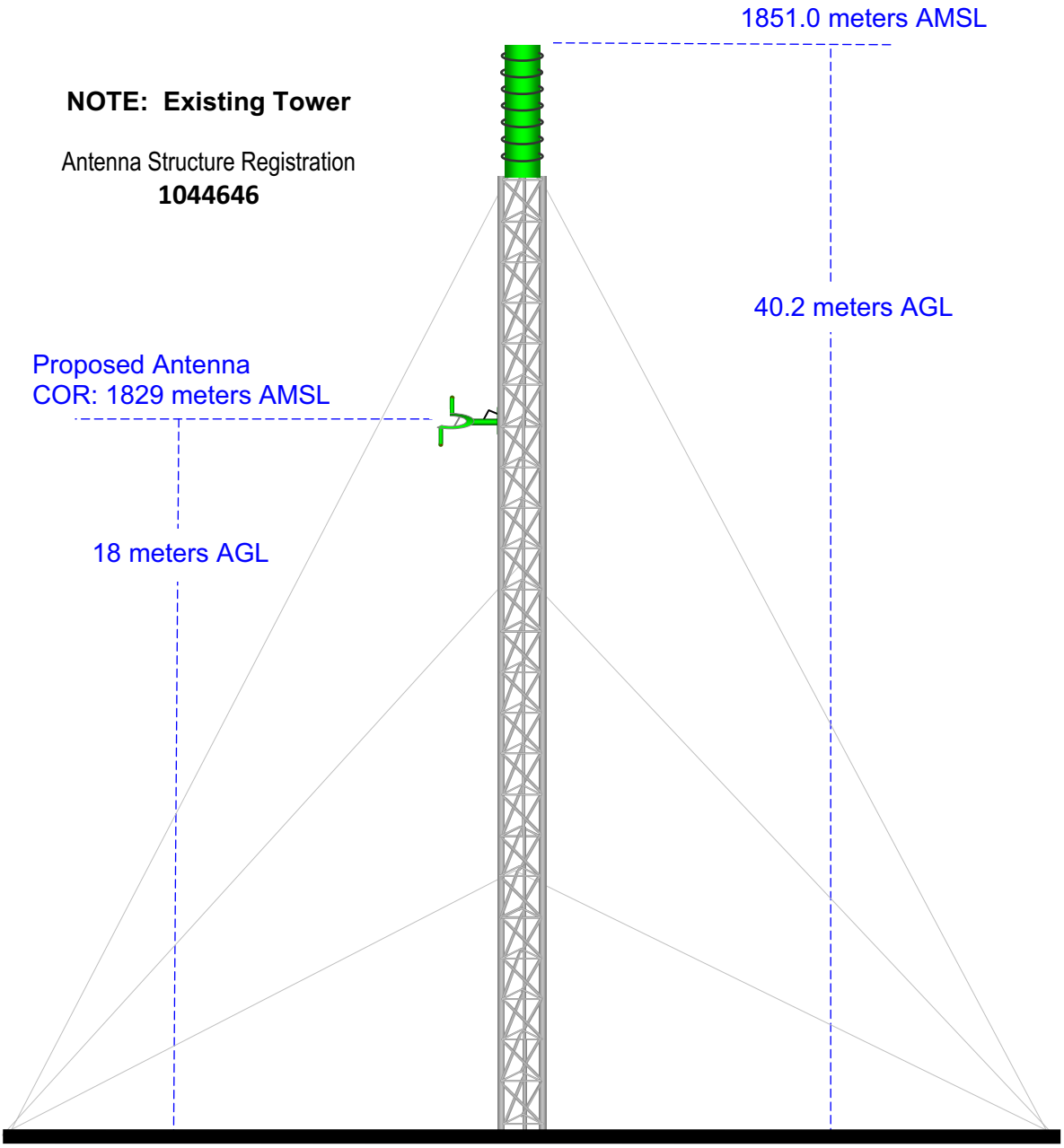
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339

EXHIBIT 12.2
VERTICAL PLAN OF ANTENNA SYSTEM

The site is located E of Bonneville Dr Between Jones and Hall Canyons
Salt Lake City, Utah.

Site Location
NL: 40° 48' 29"
WL: 111° 53' 22"



Ground Elevation = 1810.8 m AMSL
Drawing is not to Scale

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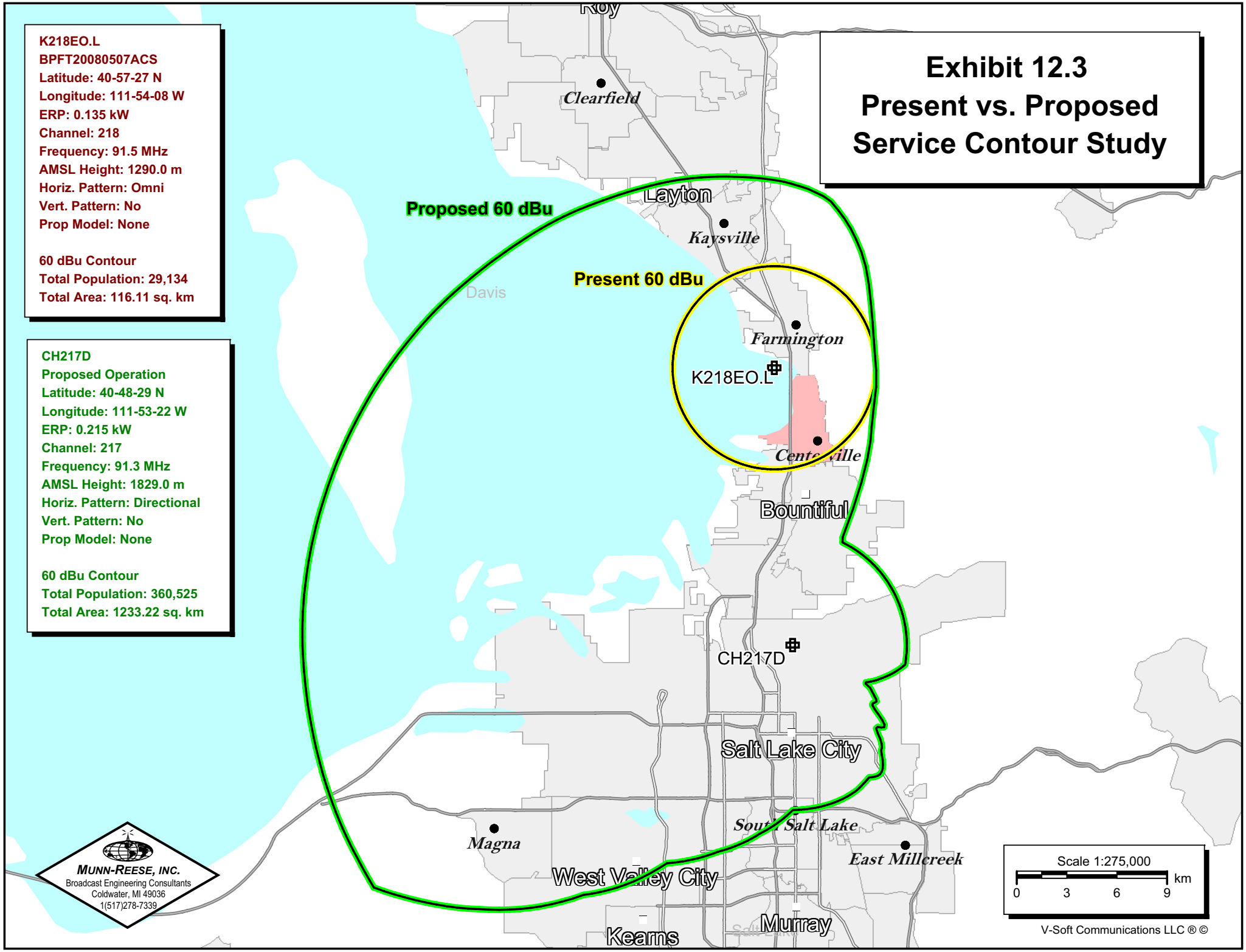
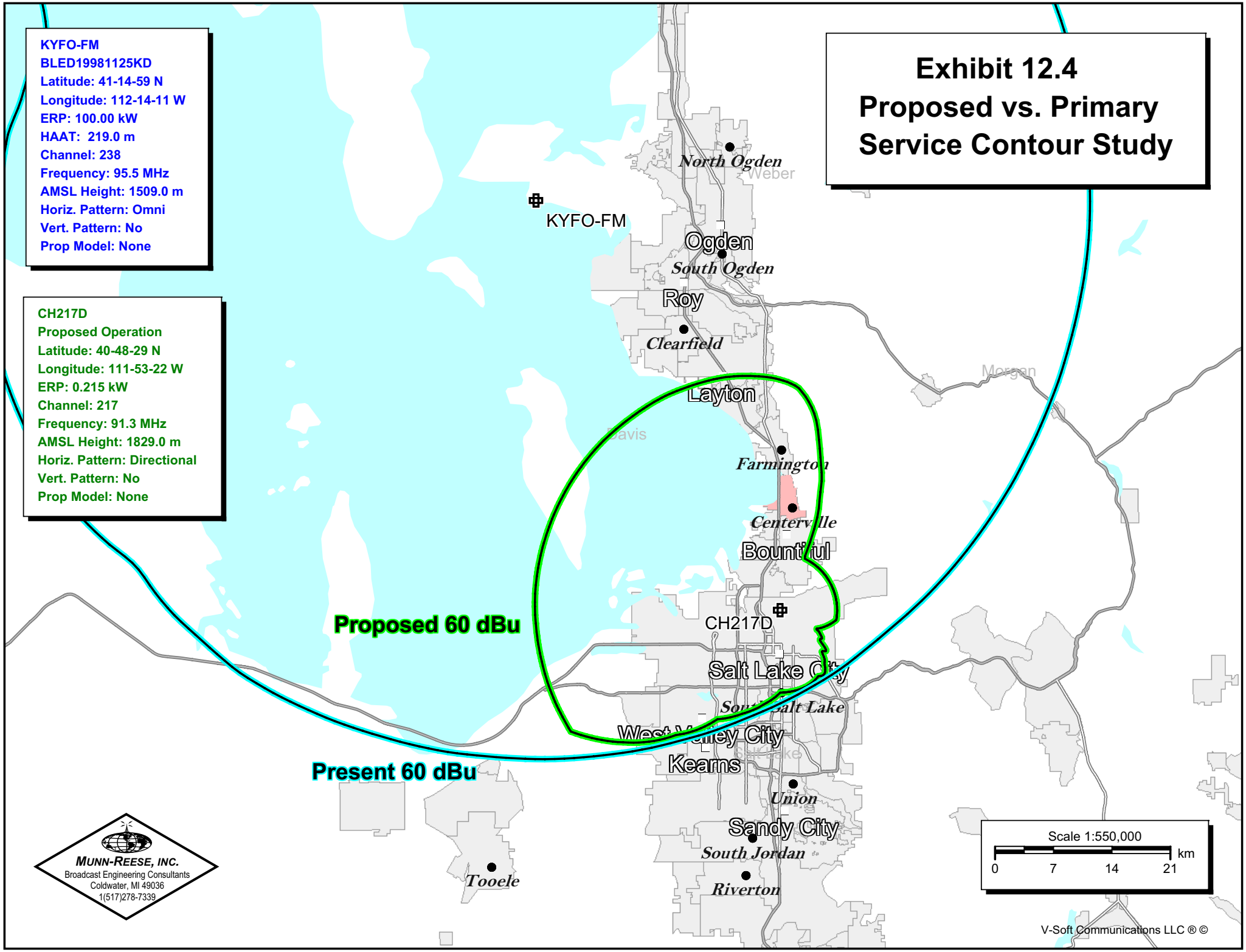

K218EO.L
BPFT20080507ACS
Latitude: 40-57-27 N
Longitude: 111-54-08 W
ERP: 0.135 kW
Channel: 218
Frequency: 91.5 MHz
AMSL Height: 1290.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 29,134
Total Area: 116.11 sq. km
CH217D
Proposed Operation
Latitude: 40-48-29 N
Longitude: 111-53-22 W
ERP: 0.215 kW
Channel: 217
Frequency: 91.3 MHz
AMSL Height: 1829.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 360,525
Total Area: 1233.22 sq. km
Exhibit 12.3
Present vs. Proposed
Service Contour Study
Proposed 60 dBu
Present 60 dBu
Roy
Clearfield
Layton
Kaysville
Davis
Farmington
K218EO.L
Centerville
Bountiful
CH217D
Salt Lake City
South Salt Lake
East Millcreek
Magna
West Valley City
Murray
Kearns
MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339
Scale 1:275,000
km
0
3
6
9
V-Soft Communications LLC ® ©


KYFO-FM
BLED19981125KD
Latitude: 41-14-59 N
Longitude: 112-14-11 W
ERP: 100.00 kW
HAAT: 219.0 m
Channel: 238
Frequency: 95.5 MHz
AMSL Height: 1509.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
CH217D
Proposed Operation
Latitude: 40-48-29 N
Longitude: 111-53-22 W
ERP: 0.215 kW
Channel: 217
Frequency: 91.3 MHz
AMSL Height: 1829.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None
Exhibit 12.4
Proposed vs. Primary
Service Contour Study
North Ogden
Weber
KYFO-FM
Ogden
South Ogden
Roy
Clearfield
Layton
Davis
Morgan
Farmington
Centerville
Bountiful
Proposed 60 dBu
CH217D
Salt Lake City
West Valley City
Kearns
Present 60 dBu
Union
Sandy City
South Jordan
Riverton
Tooele
Scale 1:550,000
km
0
7
14
21
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V-Soft Communications LLC ® ©

Exhibit 12.5
Tabulation of Proposed Allocation

Tabulations of contours will be supplied upon request.

Bible Broadcasting Network, Inc.

REFERENCE — CH# 217D - 91.3 MHz, Pwr= 0.215 kW, HAAT= 284.8 M, COR= 1829 M — DISPLAY DATES
40 48 29.0 N. — Average Protected F(50-50)= 21.2 km — DATA 05-27-08
111 53 21.0 W. — Standard Directional — SEARCH 05-28-08

	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*
(1)	215C KRCL Salt Lake City	LIC CX UT	238.0 31.11 57.8 BLED20030310AOH	40 39 34.0 112 12 05.0	25.000 1140	10.0 2803	95.5 Listeners Community Radio	-7.36	-65.34*
(1)	219A KUFR Salt Lake City	LIC CN UT	177.2 4.32 357.2 BLED19891222KB	40 46 09.0 111 53 12.0	0.220 -97	1.0 1413	6.9 Family Stations, Inc.	-6.57*	-2.69*
	217C1 1221731 Provo	APP DCX UT	165.0 90.69 345.2 BNPED20071019APB	40 01 08.0 111 36 50.0	1.000 915	86.8 2782	27.8 Meridian Non-profit Corpor	-5.80	26.83
(2)	217D DK272DP Tooele	APP DV UT	238.0 31.10 57.8 BMJPFT20000207ABV	40 39 35.0 112 12 05.0	0.010 1188	39.3 2770	5.6 Family Stations, Inc.	-36.69*	-59.40
	217C2 1201563 Spanish Fork	APP CX UT	155.9 116.68 336.2 BNPED20071012ATI	39 50 53.8 111 19 48.7	2.000 491	122.1 2854	48.9 Way-fm Media Group, Inc	-14.90*	33.82
	218C KUSU-FM Logan	LIC CN UT	352.8 120.73 172.7 BLED19880111KA	41 53 11.0 112 04 17.0	90.000 347	106.7 1841	73.4 Utah State University Of A	-14.24	3.28
	217D K217CL Provo Translator for KCJH, Stockton, CA	LIC CN UT	183.6 58.94 3.6 BLFT19980623TD	40 16 42.0 111 56 00.0	0.010 626	58.4 2276	15.8 Your Christian Companion N	-9.98	3.65
	270C KENZ Ogden	LIC CX UT	238.0 31.11 57.8 BLH20030508AAI	40 39 34.0 112 12 05.0	25.000 1140	4.9 2803	45.1 Citadel Broadcasting Compa	28.5R	2.6M
	06Z2 KBCJ Santaquin	ADM HN UT	182.2 119.48 2.2 BPRM20000717ACF	39 43 58.0 111 56 34.0	100.000 305	2.3 2202	105.9 Tv 6 And Kaleidoscope Foun	132.5R	11.2M
	06NT K06JH Wanship	LI D N UT	89.8 41.72 270.1 BLTTV20021118ACN	40 48 31.0 111 23 41.0	0.043 95	2.9 1824	3.9 Summit County	132.5R	34.9M
	06NT K06OV Peoa And Oakley	CP D N UT	101.9 45.45 282.3 BNPTTV20000828BDZ	40 43 21.0 111 21 46.0	0.040 332	2.8 2195	4.4 Summit County	132.5R	38.2M
	06NT K06IM Henefer, Etc.	LI DHN UT	63.5 42.62 243.8 BLTTV4927	40 58 40.0 111 26 08.0	0.005 192	2.9 1865	1.2 Summit County	132.5R	38.5M

Terrain database is NED 03 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)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
"<" = Contour Overlap

(1) Denotes 2nd and 3rd Adjacent Channel Interference Waiver Request as supplied in Exhibit 12.7. Full protection will be afforded both KUFR(FM) and KRCL(FM) as the calculated interference areas reside over remote uninhabited areas void of population, housing, buildings or major roads.

(2) No protection is required toward deleted facilities.

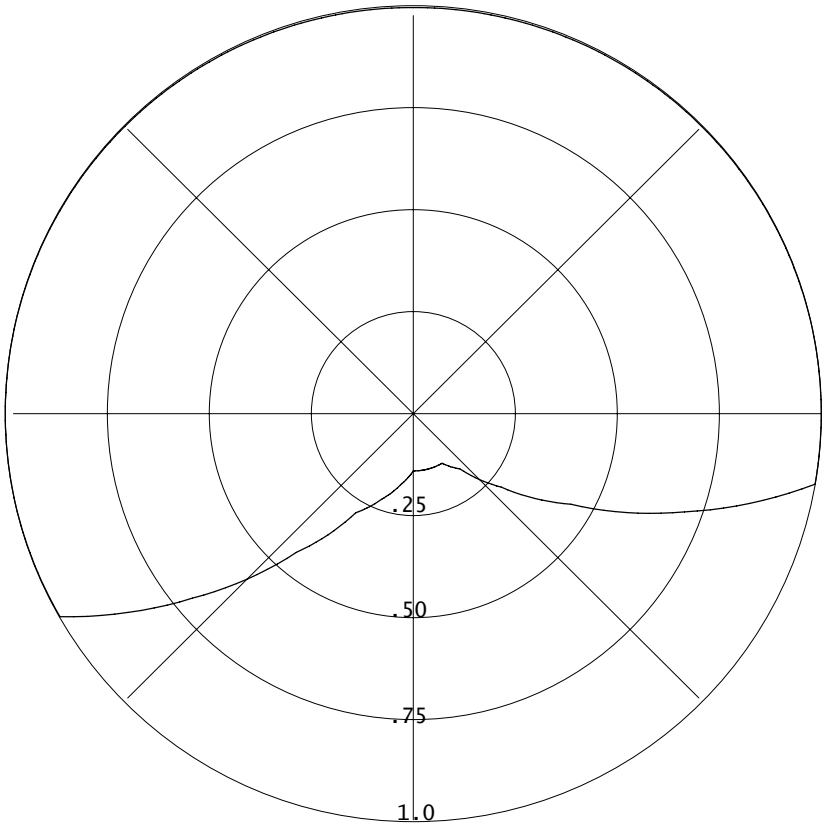
(3) Contour protection studies toward select stations have been included in Exhibit 12.8.

Exhibit 12.6
Tabulation of Proposed Translator DA Pattern

05-21-2008 RMS(V)= .828

Bearing	Field % Voltage
000	= 1.000
010	= 1.000
020	= 1.000
030	= 1.000
040	= 1.000
050	= 1.000
060	= 1.000
070	= 1.000
080	= 1.000
090	= 1.000
100	= 1.000
110	= 0.707
120	= 0.446
130	= 0.282
140	= 0.178
150	= 0.141
160	= 0.141
170	= 0.141
180	= 0.141
190	= 0.178
200	= 0.224
210	= 0.282
220	= 0.446
230	= 0.707
240	= 1.000
250	= 1.000
260	= 1.000
270	= 1.000
280	= 1.000
290	= 1.000
300	= 1.000
310	= 1.000
320	= 1.000
330	= 1.000
340	= 1.000
350	= 1.000

Graph is Percent Relative Field Voltage



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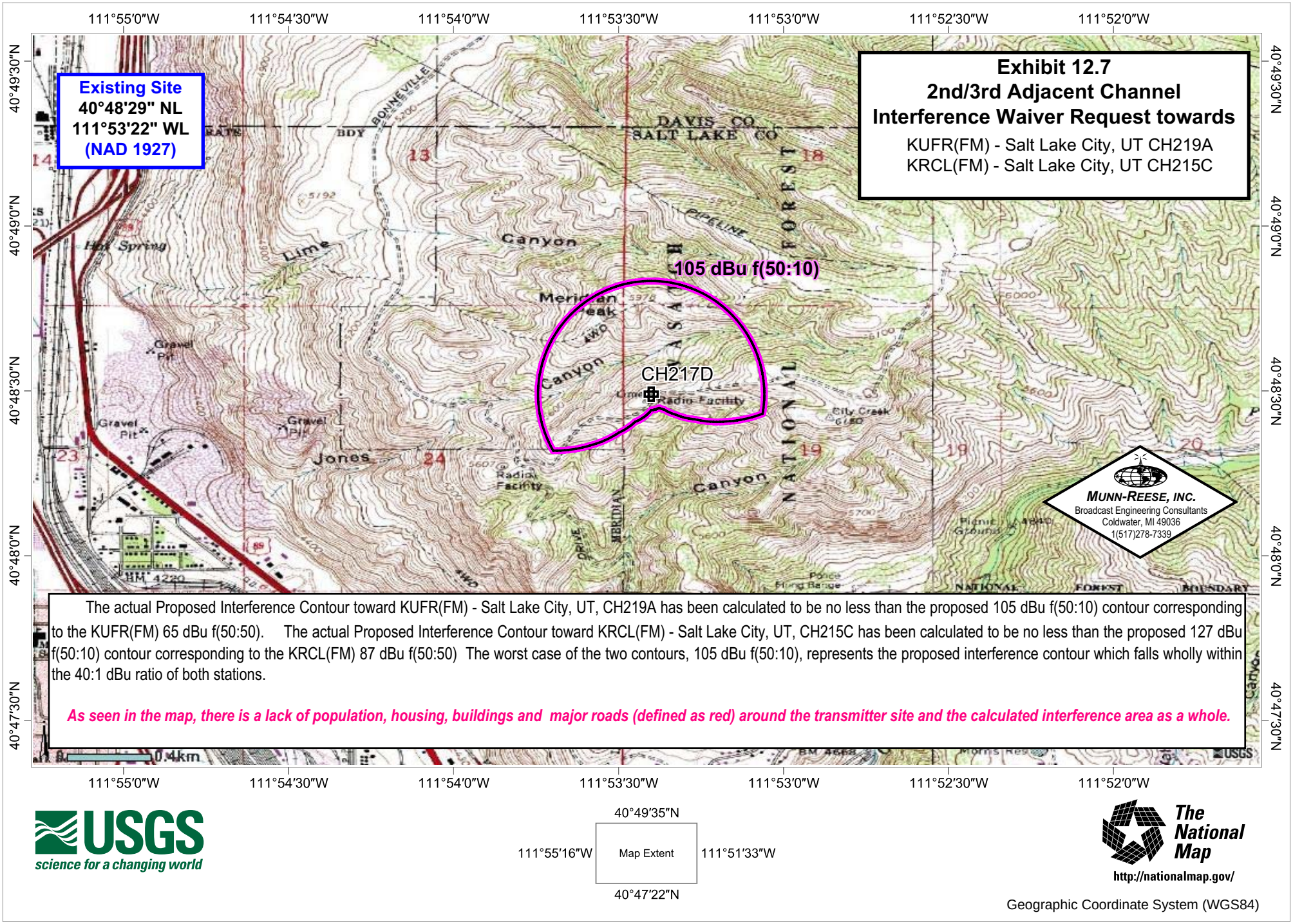


The actual Proposed Interference Contour toward KUFR(FM) - Salt Lake City, UT, CH219A has been calculated to be no less than the proposed 105 dBu f(50:10) contour corresponding to the KUFR(FM) 65 dBu f(50:50). The actual Proposed Interference Contour toward KRCL(FM) - Salt Lake City, UT, CH215C has been calculated to be no less than the proposed 127 dBu f(50:10) contour corresponding to the KRCL(FM) 87 dBu f(50:50) The worst case of the two contours, 105 dBu f(50:10), represents the proposed interference contour which falls wholly within the 40:1 dBu ratio of both stations.

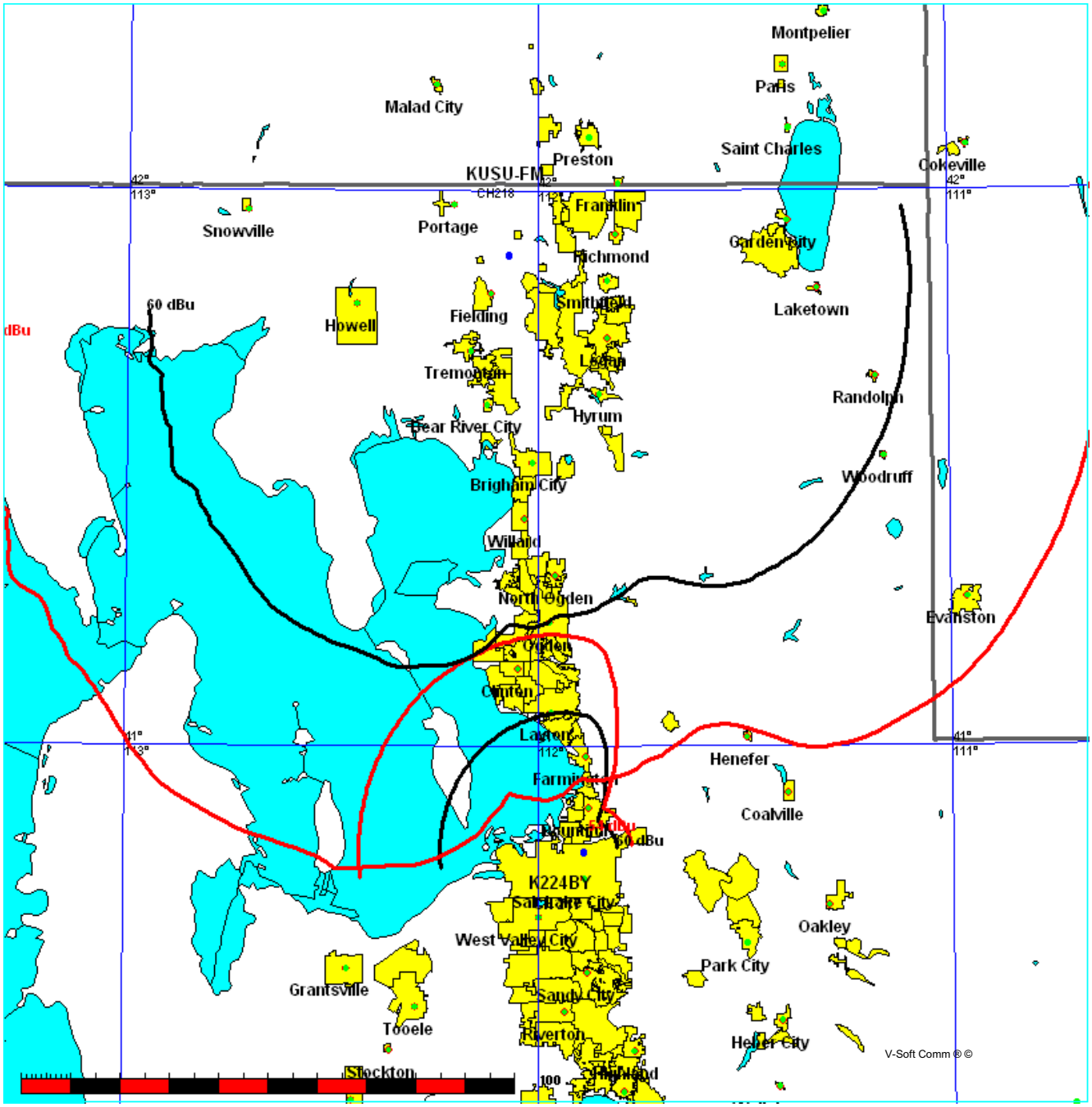
As seen in the map, there is a lack of population, housing, buildings and major roads (defined as red) around the transmitter site and the calculated interference area as a whole.

Bible Broadcasting Network, Inc.

Exhibit 12.8 - Contour Protection Studies Toward KUSU-FM

FMCommander Single Allocation Study
05-28-2008

K224BY CH 217 D	KUSU-FM CH 218 C BLED19880111KA
0.215 kW 1829 M COR DA	90.0 kW, 1841 M COR
Prot. = 60 dBu	Prot. = 60 dBu
Intef. = 54 dBu	Intef. = 54 dBu



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Coldwater, MI 49036

Tabulations of contours will be supplied upon request.

05-28-2008 NED 03 SEC Terrain Data FMOver Analysis

K224BY
Channel = 217D
Max ERP = 0.215 kW
RCAMSL = 1829 M
N. Lat. 40 48 29.0
W. Lng. 111 53 21.0
Protected
60 dBu

KUSU-FM BLED19880111KA
Channel = 218C
Max ERP = 90 kW
RCAMSL = 1841 M
N. Lat. 41 53 11.0
W. Lng. 112 04 17.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
308.0	000.2150	0545.0	029.4	184.4	090.0000	0418.3	102.0	58.37**
309.0	000.2150	0545.0	029.4	184.3	090.0000	0415.9	101.6	58.41**
310.0	000.2150	0544.9	029.4	184.1	090.0000	0414.0	101.2	58.47**
311.0	000.2150	0544.8	029.4	183.9	090.0000	0412.0	100.8	58.53**
312.0	000.2150	0544.6	029.4	183.7	090.0000	0410.0	100.4	58.58**
313.0	000.2150	0544.4	029.4	183.5	090.0000	0407.4	100.0	58.61**
314.0	000.2150	0544.2	029.4	183.4	090.0000	0404.8	099.6	58.64**
315.0	000.2150	0543.9	029.4	183.2	090.0000	0402.0	099.2	58.66**
316.0	000.2150	0543.7	029.4	183.0	090.0000	0398.6	098.8	58.66**
317.0	000.2150	0543.5	029.4	182.7	090.0000	0393.9	098.5	58.61**
318.0	000.2150	0543.1	029.4	182.5	090.0000	0387.7	098.1	58.52**
319.0	000.2150	0542.6	029.4	182.3	090.0000	0381.6	097.8	58.42**
320.0	000.2150	0541.9	029.3	182.1	090.0000	0375.5	097.4	58.32**
321.0	000.2150	0541.3	029.3	181.8	090.0000	0371.3	097.1	58.28**
322.0	000.2150	0540.4	029.3	181.6	090.0000	0367.6	096.8	58.25**
323.0	000.2150	0539.6	029.3	181.4	090.0000	0364.0	096.5	58.23**
324.0	000.2150	0538.8	029.2	181.1	090.0000	0360.1	096.2	58.19**
325.0	000.2150	0538.4	029.2	180.9	090.0000	0355.5	095.9	58.13**
326.0	000.2150	0537.8	029.2	180.6	090.0000	0350.5	095.6	58.06**
327.0	000.2150	0537.2	029.2	180.4	090.0000	0345.5	095.4	57.99**
328.0	000.2150	0536.7	029.2	180.1	090.0000	0340.8	095.1	57.92**
329.0	000.2150	0536.2	029.1	179.8	090.0000	0338.6	094.9	57.93**
330.0	000.2150	0535.6	029.1	179.6	090.0000	0340.1	094.6	58.05**
331.0	000.2150	0534.8	029.1	179.3	090.0000	0341.4	094.4	58.16**
332.0	000.2150	0534.4	029.1	179.0	090.0000	0342.4	094.2	58.25**
333.0	000.2150	0533.9	029.1	178.7	090.0000	0342.2	094.0	58.32**
334.0	000.2150	0533.3	029.1	178.4	090.0000	0342.3	093.8	58.38**
335.0	000.2150	0532.3	029.0	178.1	090.0000	0343.5	093.6	58.47**
336.0	000.2150	0531.1	029.0	177.9	090.0000	0345.0	093.4	58.56**
337.0	000.2150	0530.3	029.0	177.6	090.0000	0346.2	093.3	58.65**
338.0	000.2150	0529.6	028.9	177.3	090.0000	0347.3	093.1	58.73**
339.0	000.2150	0528.8	028.9	177.0	090.0000	0348.4	093.0	58.80**
340.0	000.2150	0527.9	028.9	176.7	090.0000	0349.1	092.9	58.87**
341.0	000.2150	0526.9	028.8	176.4	090.0000	0350.0	092.7	58.93**
342.0	000.2150	0526.0	028.8	176.1	090.0000	0349.4	092.6	58.94**
343.0	000.2150	0524.9	028.8	175.7	090.0000	0348.5	092.6	58.94**
344.0	000.2150	0523.6	028.7	175.4	090.0000	0347.0	092.5	58.91**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
345.0	000.2150	0522.3	028.7	175.1	090.0000	0346.6	092.5	58.91**
346.0	000.2150	0521.0	028.6	174.8	090.0000	0347.3	092.4	58.95**
347.0	000.2150	0519.9	028.6	174.5	090.0000	0347.7	092.4	58.97**
348.0	000.2150	0518.6	028.6	174.2	090.0000	0346.3	092.4	58.93**
349.0	000.2150	0517.2	028.5	173.9	090.0000	0342.7	092.4	58.83**
350.0	000.2150	0515.3	028.5	173.6	090.0000	0338.9	092.4	58.70**
351.0	000.2150	0513.2	028.4	173.3	090.0000	0335.0	092.4	58.57**
352.0	000.2150	0511.0	028.3	173.0	090.0000	0331.2	092.5	58.43**
353.0	000.2150	0508.4	028.2	172.7	090.0000	0328.2	092.6	58.31**
354.0	000.2150	0505.9	028.1	172.4	090.0000	0325.7	092.7	58.21**
355.0	000.2150	0503.0	028.0	172.1	090.0000	0324.8	092.8	58.15**
356.0	000.2150	0500.1	028.0	171.8	090.0000	0325.4	092.9	58.13**
357.0	000.2150	0496.9	027.8	171.5	090.0000	0326.8	093.0	58.12**
358.0	000.2150	0494.3	027.8	171.2	090.0000	0328.4	093.2	58.13**
359.0	000.2150	0491.1	027.7	170.9	090.0000	0329.6	093.3	58.11**
000.0	000.2150	0487.8	027.5	170.6	090.0000	0330.2	093.5	58.08**
001.0	000.2150	0483.9	027.4	170.3	090.0000	0330.5	093.7	58.02**
002.0	000.2150	0478.5	027.2	170.1	090.0000	0331.1	094.0	57.96**
003.0	000.2150	0471.7	027.0	169.8	090.0000	0331.6	094.3	57.88**
004.0	000.2150	0462.7	026.7	169.6	090.0000	0332.0	094.7	57.77**
005.0	000.2150	0450.7	026.4	169.4	090.0000	0332.3	095.2	57.63**
006.0	000.2150	0434.0	025.9	169.2	090.0000	0332.0	095.8	57.44**
007.0	000.2150	0411.3	025.2	169.0	090.0000	0331.7	096.5	57.20**
008.0	000.2150	0386.2	024.5	168.9	090.0000	0331.5	097.3	56.95**
009.0	000.2150	0363.4	023.8	168.8	090.0000	0331.3	098.1	56.70**
010.0	000.2150	0338.4	023.1	168.8	090.0000	0331.1	099.0	56.43**
011.0	000.2150	0311.4	022.2	168.8	090.0000	0331.1	100.0	56.13**
012.0	000.2150	0277.6	021.0	168.8	090.0000	0331.2	101.2	55.75**
013.0	000.2150	0243.2	019.7	168.9	090.0000	0331.5	102.6	55.35**
014.0	000.2150	0209.7	018.3	169.1	090.0000	0331.8	104.0	54.94**
015.0	000.2150	0182.9	017.1	169.2	090.0000	0332.1	105.2	54.59**
016.0	000.2150	0168.5	016.3	169.2	090.0000	0332.1	105.9	54.36**
017.0	000.2150	0148.5	015.2	169.4	090.0000	0332.3	107.1	54.03**
018.0	000.2150	0126.1	013.9	169.6	090.0000	0331.9	108.4	53.65
019.0	000.2150	0109.9	013.0	169.7	090.0000	0331.7	109.3	53.40
020.0	000.2150	0094.5	012.1	169.8	090.0000	0331.6	110.2	53.14
021.0	000.2150	0077.7	011.0	170.0	090.0000	0331.2	111.2	52.85
022.0	000.2150	0060.7	009.9	170.3	090.0000	0330.7	112.2	52.55
023.0	000.2150	0036.8	007.5	170.8	090.0000	0329.7	114.3	51.98
024.0	000.2150	0014.0	006.8	171.0	090.0000	0329.3	115.0	51.81
025.0	000.2150	-0003.9	006.8	170.9	090.0000	0329.5	115.0	51.80
026.0	000.2150	-0014.3	006.8	170.9	090.0000	0329.7	115.1	51.79
027.0	000.2150	-0025.3	006.8	170.8	090.0000	0329.8	115.2	51.78
028.0	000.2150	-0038.0	006.8	170.8	090.0000	0329.9	115.2	51.76
029.0	000.2150	-0059.0	006.8	170.7	090.0000	0329.9	115.3	51.75
030.0	000.2150	-0085.5	006.8	170.7	090.0000	0330.0	115.4	51.73
031.0	000.2150	-0111.4	006.8	170.6	090.0000	0330.1	115.5	51.72
032.0	000.2150	-0137.8	006.8	170.6	090.0000	0330.2	115.5	51.70
033.0	000.2150	-0157.7	006.8	170.5	090.0000	0330.3	115.6	51.69
034.0	000.2150	-0165.6	006.8	170.5	090.0000	0330.4	115.7	51.67
035.0	000.2150	-0161.8	006.8	170.4	090.0000	0330.4	115.8	51.65

05-28-2008 NED 03 SEC Terrain Data

KUSU-FM BLED19880111KA
Channel = 218C
Max ERP = 90 kW
RCAMSL = 1841 M
N. Lat. 41 53 11.0
W. Lng. 112 04 17.0
Protected
60 dBu

K224BY
Channel = 217D
Max ERP = 0.215 kW
RCAMSL = 1829 M
N. Lat. 40 48 29.0
W. Lng. 111 53 21.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
128.0	090.0000	0475.1	084.1	036.9	000.2150	-0166.4	085.1	22.36
129.0	090.0000	0475.6	084.2	036.9	000.2150	-0166.3	083.6	22.66
130.0	090.0000	0475.0	084.1	036.8	000.2150	-0165.8	082.1	22.96
131.0	090.0000	0474.8	084.1	036.7	000.2150	-0165.3	080.7	23.25
132.0	090.0000	0474.3	084.1	036.6	000.2150	-0164.4	079.2	23.54
133.0	090.0000	0472.1	083.9	036.4	000.2150	-0162.7	077.8	23.82
134.0	090.0000	0469.5	083.8	036.1	000.2150	-0161.3	076.3	24.09
135.0	090.0000	0466.7	083.6	035.8	000.2150	-0159.1	074.9	24.35
136.0	090.0000	0463.5	083.4	035.4	000.2150	-0159.3	073.5	24.60
137.0	090.0000	0460.1	083.1	035.0	000.2150	-0161.6	072.1	24.85
138.0	090.0000	0456.2	082.8	034.5	000.2150	-0165.5	070.8	25.10
139.0	090.0000	0452.4	082.6	034.0	000.2150	-0165.7	069.5	25.33
140.0	090.0000	0448.0	082.2	033.4	000.2150	-0162.6	068.2	25.57
141.0	090.0000	0443.7	081.9	032.8	000.2150	-0154.8	066.9	25.80
142.0	090.0000	0440.6	081.7	032.2	000.2150	-0143.1	065.6	26.03
143.0	090.0000	0437.6	081.5	031.6	000.2150	-0128.8	064.4	26.27
144.0	090.0000	0432.0	081.1	030.8	000.2150	-0105.3	063.2	26.49
145.0	090.0000	0424.1	080.5	029.8	000.2150	-0079.0	062.2	26.69
146.0	090.0000	0416.3	079.9	028.7	000.2150	-0052.8	061.2	26.89
147.0	090.0000	0407.5	079.2	027.5	000.2150	-0030.7	060.3	27.08
148.0	090.0000	0397.4	078.5	026.3	000.2150	-0017.5	059.5	27.24
149.0	090.0000	0383.2	077.4	024.7	000.2150	-0000.3	058.9	27.36
150.0	090.0000	0368.0	076.3	023.0	000.2150	0035.9	058.4	28.25
151.0	090.0000	0353.5	075.3	021.4	000.2150	0071.7	058.1	32.01
152.0	090.0000	0339.9	074.3	019.8	000.2150	0097.1	057.7	34.03
153.0	090.0000	0325.2	073.2	018.2	000.2150	0122.3	057.5	35.66
154.0	090.0000	0311.9	072.2	016.6	000.2150	0157.0	057.4	37.59
155.0	090.0000	0302.1	071.5	015.2	000.2150	0179.7	057.1	38.80
156.0	090.0000	0295.0	070.9	013.8	000.2150	0214.9	056.7	40.47
157.0	090.0000	0291.9	070.7	012.7	000.2150	0252.2	056.2	42.12
158.0	090.0000	0291.2	070.6	011.6	000.2150	0290.8	055.5	43.71
159.0	090.0000	0293.9	070.8	010.7	000.2150	0321.5	054.7	45.05
160.0	090.0000	0300.7	071.4	009.8	000.2150	0342.7	053.6	46.15
161.0	090.0000	0306.4	071.8	008.9	000.2150	0367.1	052.6	47.28

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
162.0	090.0000	0309.7	072.0	007.8	000.2150	0391.8	051.8	48.27
163.0	090.0000	0315.5	072.5	006.7	000.2150	0419.1	050.9	49.31
164.0	090.0000	0316.2	072.5	005.4	000.2150	0444.9	050.4	50.13
165.0	090.0000	0319.3	072.8	004.1	000.2150	0461.5	049.8	50.77
166.0	090.0000	0325.6	073.2	002.9	000.2150	0472.6	048.9	51.35
167.0	090.0000	0328.6	073.4	001.5	000.2150	0481.3	048.4	51.75
168.0	090.0000	0331.4	073.6	000.1	000.2150	0487.5	047.9	52.08
169.0	090.0000	0331.6	073.7	358.6	000.2150	0492.6	047.6	52.29
170.0	090.0000	0331.3	073.6	357.0	000.2150	0496.8	047.5	52.44
171.0	090.0000	0329.2	073.5	355.5	000.2150	0501.8	047.5	52.53
172.0	090.0000	0324.8	073.2	353.9	000.2150	0506.1	047.7	52.54
173.0	090.0000	0331.6	073.7	352.4	000.2150	0510.0	047.2	52.81
174.0	090.0000	0344.0	074.6	350.8	000.2150	0513.6	046.4	53.20
175.0	090.0000	0346.8	074.8	349.1	000.2150	0516.9	046.3	53.30
176.0	090.0000	0349.4	075.0	347.5	000.2150	0519.3	046.3	53.36
177.0	090.0000	0348.3	074.9	345.9	000.2150	0521.1	046.6	53.28
178.0	090.0000	0344.3	074.6	344.5	000.2150	0523.0	047.1	53.12
179.0	090.0000	0342.4	074.5	343.0	000.2150	0524.9	047.6	52.99
180.0	090.0000	0339.9	074.3	341.6	000.2150	0526.4	048.2	52.82
181.0	090.0000	0358.0	075.6	339.6	000.2150	0528.3	047.4	53.14
182.0	090.0000	0373.9	076.8	337.5	000.2150	0530.0	046.8	53.37
183.0	090.0000	0399.4	078.6	335.0	000.2150	0532.3	045.8	53.81
184.0	090.0000	0413.0	079.6	332.9	000.2150	0533.9	045.6	53.91
185.0	090.0000	0426.5	080.6	330.7	000.2150	0535.0	045.5	53.96
186.0	090.0000	0437.8	081.5	328.6	000.2150	0536.4	045.7	53.93
187.0	090.0000	0449.2	082.3	326.6	000.2150	0537.4	045.9	53.86
188.0	090.0000	0458.8	083.0	324.7	000.2150	0538.5	046.4	53.72
189.0	090.0000	0465.9	083.5	323.0	000.2150	0539.6	047.0	53.49
190.0	090.0000	0470.5	083.8	321.5	000.2150	0540.9	047.9	53.21
191.0	090.0000	0474.5	084.1	320.2	000.2150	0541.8	048.8	52.90
192.0	090.0000	0479.2	084.4	318.8	000.2150	0542.7	049.8	52.57
193.0	090.0000	0485.7	084.8	317.5	000.2150	0543.3	050.8	52.25
194.0	090.0000	0493.0	085.3	316.1	000.2150	0543.7	051.8	51.91
195.0	090.0000	0498.2	085.6	315.0	000.2150	0543.9	052.9	51.53
196.0	090.0000	0502.2	085.8	314.0	000.2150	0544.1	054.1	51.11
197.0	090.0000	0497.4	085.5	313.6	000.2150	0544.3	055.6	50.61
198.0	090.0000	0492.8	085.3	313.2	000.2150	0544.4	057.0	50.11
199.0	090.0000	0490.8	085.1	312.7	000.2150	0544.5	058.4	49.63
200.0	090.0000	0489.8	085.1	312.2	000.2150	0544.6	059.8	49.15
201.0	090.0000	0491.5	085.2	311.6	000.2150	0544.7	061.2	48.69
202.0	090.0000	0492.5	085.2	311.0	000.2150	0544.8	062.6	48.21
203.0	090.0000	0494.0	085.3	310.5	000.2150	0544.8	064.0	47.74
204.0	090.0000	0495.6	085.4	310.1	000.2150	0544.9	065.4	47.26
205.0	090.0000	0498.0	085.6	309.6	000.2150	0544.9	066.8	46.78
206.0	090.0000	0497.7	085.5	309.3	000.2150	0545.0	068.2	46.27
207.0	090.0000	0497.6	085.5	309.1	000.2150	0545.0	069.7	45.77
208.0	090.0000	0497.8	085.6	308.8	000.2150	0545.0	071.1	45.27
209.0	090.0000	0497.8	085.6	308.6	000.2150	0545.0	072.6	44.76
210.0	090.0000	0498.0	085.6	308.4	000.2150	0545.0	074.1	44.25
211.0	090.0000	0498.8	085.6	308.2	000.2150	0545.0	075.6	43.74
212.0	090.0000	0498.4	085.6	308.1	000.2150	0545.0	077.0	43.23

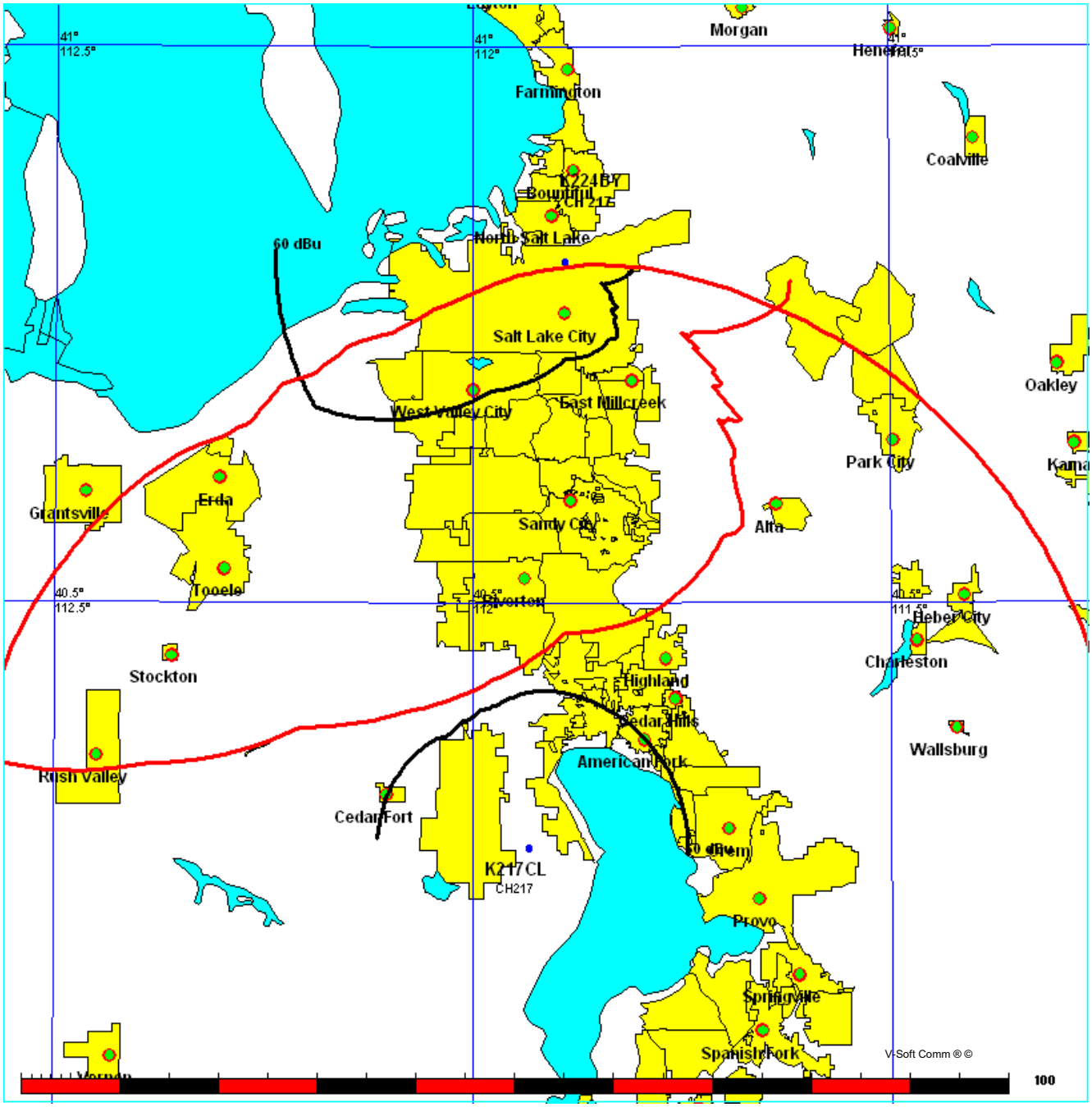
Bible Broadcasting Network, Inc.

Exhibit 12.8 - Contour Protection Studies Toward K217CL

FMCommander Single Allocation Study
05-28-2008

K224BY CH 217 D
0.215 kW 1829 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

K217CL CH 217 D BLFT19980623TD
0.01 kW, 2276 M COR
Prot. = 60 dBu
Intef. = 40 dBu



Munn-Reese, Inc.
Broadcast Engineering Consultants
Coldwater, MI 49036

Tabulations of contours will be supplied upon request.

05-28-2008 NED 03 SEC Terrain Data FMOver Analysis

K224BY
Channel = 217D
Max ERP = 0.215 kW
RCAMSL = 1829 M
N. Lat. 40 48 29.0
W. Lng. 111 53 21.0
Protected
60 dBu

K217CL BLFT19980623TD
Channel = 217D
Max ERP = 0.01 kW
RCAMSL = 2276 M
N. Lat. 40 16 42.0
W. Lng. 111 56 00.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
139.0	000.0076	0202.6	007.7	009.4	000.0100	0856.2	053.8	41.95**
140.0	000.0068	0217.2	007.7	009.3	000.0100	0856.0	053.6	42.00**
141.0	000.0065	0236.9	008.0	009.4	000.0100	0856.3	053.3	42.10**
142.0	000.0063	0258.3	008.3	009.5	000.0100	0856.5	053.1	42.21**
143.0	000.0060	0287.6	008.6	009.7	000.0100	0857.0	052.7	42.34**
144.0	000.0057	0320.9	009.0	009.9	000.0100	0857.3	052.4	42.47**
145.0	000.0055	0348.8	009.2	009.9	000.0100	0857.5	052.1	42.57**
146.0	000.0052	0369.5	009.3	009.9	000.0100	0857.4	051.9	42.64**
147.0	000.0050	0382.7	009.3	009.8	000.0100	0857.1	051.8	42.68**
148.0	000.0047	0391.4	009.3	009.6	000.0100	0856.7	051.7	42.70**
149.0	000.0045	0397.3	009.2	009.4	000.0100	0856.2	051.7	42.71**
150.0	000.0043	0403.0	009.1	009.2	000.0100	0855.7	051.6	42.71**
151.0	000.0043	0409.3	009.2	009.1	000.0100	0855.4	051.5	42.76**
152.0	000.0043	0416.0	009.2	009.0	000.0100	0855.1	051.3	42.81**
153.0	000.0043	0422.5	009.3	008.9	000.0100	0854.8	051.2	42.86**
154.0	000.0043	0430.2	009.3	008.8	000.0100	0854.5	051.1	42.91**
155.0	000.0043	0437.5	009.4	008.7	000.0100	0854.1	050.9	42.96**
156.0	000.0043	0443.7	009.4	008.5	000.0100	0853.7	050.8	43.00**
157.0	000.0043	0449.4	009.5	008.4	000.0100	0853.2	050.7	43.04**
158.0	000.0043	0456.1	009.5	008.3	000.0100	0852.7	050.5	43.08**
159.0	000.0043	0462.6	009.6	008.1	000.0100	0852.2	050.4	43.12**
160.0	000.0043	0468.7	009.6	008.0	000.0100	0851.6	050.3	43.15**
161.0	000.0043	0474.1	009.6	007.8	000.0100	0851.1	050.2	43.18**
162.0	000.0043	0478.7	009.7	007.7	000.0100	0850.4	050.1	43.21**
163.0	000.0043	0482.9	009.7	007.5	000.0100	0849.7	050.0	43.24**
164.0	000.0043	0488.2	009.7	007.3	000.0100	0849.0	049.9	43.26**
165.0	000.0043	0494.1	009.7	007.2	000.0100	0848.3	049.8	43.29**
166.0	000.0043	0499.0	009.7	007.0	000.0100	0847.5	049.8	43.31**
167.0	000.0043	0502.9	009.8	006.8	000.0100	0846.9	049.7	43.33**
168.0	000.0043	0506.0	009.8	006.6	000.0100	0846.2	049.6	43.35**
169.0	000.0043	0508.7	009.8	006.5	000.0100	0845.7	049.6	43.37**
170.0	000.0043	0510.8	009.8	006.3	000.0100	0845.0	049.5	43.38**
171.0	000.0043	0512.9	009.8	006.1	000.0100	0844.4	049.4	43.40**
172.0	000.0043	0515.2	009.8	005.9	000.0100	0843.6	049.4	43.41**
173.0	000.0043	0517.4	009.8	005.7	000.0100	0842.9	049.3	43.42**
174.0	000.0043	0518.9	009.8	005.5	000.0100	0842.1	049.3	43.43**
175.0	000.0043	0519.9	009.8	005.3	000.0100	0841.3	049.3	43.43**

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
176.0	000.0043	0520.6	009.9	005.1	000.0100	0840.4	049.2	43.43**
177.0	000.0043	0521.3	009.9	004.9	000.0100	0839.3	049.2	43.43**
178.0	000.0043	0522.3	009.9	004.7	000.0100	0838.2	049.2	43.43**
179.0	000.0043	0523.0	009.9	004.5	000.0100	0836.9	049.1	43.42**
180.0	000.0043	0523.7	009.9	004.3	000.0100	0835.5	049.1	43.42**
181.0	000.0045	0524.7	010.0	004.2	000.0100	0834.2	048.9	43.47**
182.0	000.0047	0526.0	010.2	004.0	000.0100	0832.8	048.8	43.52**
183.0	000.0050	0527.1	010.4	003.7	000.0100	0831.4	048.6	43.56**
184.0	000.0052	0528.6	010.5	003.5	000.0100	0830.0	048.4	43.61**
185.0	000.0055	0529.9	010.7	003.3	000.0100	0828.4	048.3	43.65**
186.0	000.0057	0531.3	010.9	003.1	000.0100	0826.8	048.1	43.69**
187.0	000.0060	0532.1	011.0	002.8	000.0100	0825.1	048.0	43.72**
188.0	000.0063	0532.8	011.2	002.6	000.0100	0823.5	047.8	43.76**
189.0	000.0065	0533.4	011.3	002.3	000.0100	0821.8	047.7	43.79**
190.0	000.0068	0533.9	011.5	002.1	000.0100	0820.1	047.6	43.81**
191.0	000.0072	0534.5	011.7	001.8	000.0100	0818.5	047.4	43.85**
192.0	000.0075	0535.1	011.9	001.5	000.0100	0816.9	047.3	43.89**
193.0	000.0079	0535.6	012.0	001.2	000.0100	0815.2	047.1	43.92**
194.0	000.0083	0535.8	012.2	000.9	000.0100	0813.5	047.0	43.95**
195.0	000.0087	0535.8	012.4	000.6	000.0100	0811.6	046.9	43.97**
196.0	000.0091	0535.8	012.5	000.3	000.0100	0809.6	046.8	43.98**
197.0	000.0095	0535.3	012.7	000.0	000.0100	0807.6	046.7	44.00**
198.0	000.0099	0535.3	012.9	359.7	000.0100	0805.2	046.6	44.00**
199.0	000.0103	0535.2	013.0	359.4	000.0100	0802.9	046.5	44.01**
200.0	000.0108	0535.6	013.2	359.0	000.0100	0800.6	046.5	44.01**
201.0	000.0114	0535.6	013.4	358.7	000.0100	0797.9	046.4	44.02**
202.0	000.0119	0535.5	013.6	358.3	000.0100	0794.7	046.3	44.01**
203.0	000.0125	0535.3	013.8	357.9	000.0100	0791.3	046.2	44.00**
204.0	000.0131	0534.8	014.0	357.6	000.0100	0788.2	046.1	43.99**
205.0	000.0138	0534.9	014.2	357.2	000.0100	0785.2	046.1	43.98**
206.0	000.0144	0535.0	014.4	356.8	000.0100	0782.2	046.0	43.96**
207.0	000.0151	0535.0	014.5	356.4	000.0100	0778.6	046.0	43.94**
208.0	000.0157	0535.1	014.7	356.0	000.0100	0775.0	046.0	43.90**
209.0	000.0164	0535.3	014.9	355.6	000.0100	0770.9	045.9	43.86**
210.0	000.0171	0535.6	015.1	355.2	000.0100	0766.6	045.9	43.82**
211.0	000.0191	0535.8	015.6	354.6	000.0100	0758.9	045.7	43.83**
212.0	000.0213	0536.1	016.1	353.9	000.0100	0752.7	045.4	43.85**
213.0	000.0236	0536.3	016.6	353.3	000.0100	0747.2	045.2	43.86**
214.0	000.0260	0536.5	017.1	352.6	000.0100	0741.6	045.1	43.86**
215.0	000.0285	0536.8	017.6	351.9	000.0100	0736.8	044.9	43.85**
216.0	000.0311	0537.1	018.0	351.2	000.0100	0731.6	044.8	43.83**
217.0	000.0339	0537.3	018.4	350.5	000.0100	0727.6	044.7	43.81**
218.0	000.0367	0537.5	018.8	349.9	000.0100	0723.3	044.7	43.77**
219.0	000.0397	0537.6	019.2	349.2	000.0100	0717.2	044.7	43.70**
220.0	000.0428	0537.7	019.6	348.6	000.0100	0709.8	044.7	43.60**
221.0	000.0479	0537.7	020.2	347.7	000.0100	0702.4	044.6	43.54**
222.0	000.0534	0537.8	020.8	346.8	000.0100	0695.8	044.6	43.47**
223.0	000.0591	0537.9	021.3	346.0	000.0100	0690.9	044.6	43.41**
224.0	000.0651	0538.0	021.9	345.1	000.0100	0684.6	044.6	43.31**
225.0	000.0715	0538.1	022.4	344.3	000.0100	0684.4	044.7	43.28**
226.0	000.0781	0538.2	022.9	343.5	000.0100	0685.7	044.8	43.25**

05-28-2008 NED 03 SEC Terrain Data

K217CL BLFT19980623TD
Channel = 217D
Max ERP = 0.01 kW
RCAMSL = 2276 M
N. Lat. 40 16 42.0
W. Lng. 111 56 00.0
Protected
60 dBu

K224BY
Channel = 217D
Max ERP = 0.215 kW
RCAMSL = 1829 M
N. Lat. 40 48 29.0
W. Lng. 111 53 21.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
319.0	000.0100	0667.2	014.5	195.4	000.0088	0535.8	049.7	38.61
320.0	000.0100	0660.8	014.4	195.2	000.0088	0535.8	049.6	38.62
321.0	000.0100	0652.0	014.3	194.9	000.0087	0535.8	049.4	38.63
322.0	000.0100	0641.5	014.2	194.6	000.0085	0535.8	049.3	38.61
323.0	000.0100	0633.0	014.1	194.4	000.0084	0535.8	049.1	38.61
324.0	000.0100	0629.4	014.0	194.1	000.0084	0535.8	049.0	38.62
325.0	000.0100	0627.4	014.0	193.9	000.0083	0535.8	048.8	38.64
326.0	000.0100	0622.6	014.0	193.7	000.0082	0535.7	048.7	38.64
327.0	000.0100	0623.1	014.0	193.5	000.0081	0535.7	048.5	38.66
328.0	000.0100	0634.5	014.1	193.4	000.0081	0535.7	048.2	38.74
329.0	000.0100	0640.7	014.2	193.3	000.0080	0535.7	048.0	38.79
330.0	000.0100	0647.9	014.3	193.1	000.0080	0535.7	047.8	38.84
331.0	000.0100	0656.7	014.3	193.0	000.0079	0535.6	047.5	38.89
332.0	000.0100	0664.3	014.4	192.8	000.0078	0535.5	047.3	38.94
333.0	000.0100	0661.8	014.4	192.6	000.0077	0535.3	047.2	38.93
334.0	000.0100	0655.7	014.3	192.3	000.0076	0535.2	047.0	38.90
335.0	000.0100	0651.3	014.3	192.0	000.0075	0535.1	046.9	38.88
336.0	000.0100	0653.9	014.3	191.8	000.0075	0534.9	046.8	38.89
337.0	000.0100	0662.0	014.4	191.6	000.0074	0534.8	046.5	38.93
338.0	000.0100	0670.0	014.5	191.4	000.0073	0534.7	046.3	38.96
339.0	000.0100	0675.5	014.5	191.2	000.0072	0534.6	046.2	38.98
340.0	000.0100	0683.7	014.6	191.0	000.0072	0534.5	045.9	39.00
341.0	000.0100	0686.5	014.7	190.7	000.0071	0534.4	045.8	39.00
342.0	000.0100	0688.4	014.7	190.4	000.0070	0534.2	045.7	38.99
343.0	000.0100	0688.3	014.7	190.1	000.0069	0534.0	045.5	38.97
344.0	000.0100	0685.2	014.6	189.8	000.0068	0533.7	045.4	38.93
345.0	000.0100	0683.9	014.6	189.5	000.0067	0533.5	045.4	38.91
346.0	000.0100	0691.0	014.7	189.3	000.0066	0533.4	045.2	38.93
347.0	000.0100	0697.3	014.8	189.0	000.0065	0533.4	045.0	38.93
348.0	000.0100	0704.9	014.8	188.7	000.0065	0533.3	044.9	38.94
349.0	000.0100	0714.6	014.9	188.5	000.0064	0533.1	044.7	38.95
350.0	000.0100	0724.0	015.0	188.2	000.0063	0532.9	044.5	38.96
351.0	000.0100	0730.3	015.1	187.9	000.0062	0532.7	044.4	38.95
352.0	000.0100	0737.5	015.1	187.6	000.0061	0532.5	044.3	38.94

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
353.0	000.0100	0745.1	015.2	187.3	000.0061	0532.3	044.1	38.93
354.0	000.0100	0753.4	015.3	187.0	000.0060	0532.1	044.0	38.91
355.0	000.0100	0763.8	015.4	186.6	000.0059	0531.9	043.9	38.90
356.0	000.0100	0774.7	015.4	186.3	000.0058	0531.5	043.7	38.88
357.0	000.0100	0783.7	015.5	186.0	000.0057	0531.3	043.6	38.86
358.0	000.0100	0791.8	015.6	185.6	000.0056	0530.9	043.5	38.82
359.0	000.0100	0800.4	015.6	185.3	000.0055	0530.4	043.4	38.78
000.0	000.0100	0807.5	015.7	184.9	000.0055	0529.8	043.3	38.73
001.0	000.0100	0813.8	015.7	184.6	000.0054	0529.3	043.3	38.67
002.0	000.0100	0819.6	015.8	184.2	000.0053	0528.9	043.2	38.61
003.0	000.0100	0826.2	015.8	183.9	000.0052	0528.4	043.2	38.54
004.0	000.0100	0833.1	015.9	183.5	000.0051	0527.9	043.1	38.48
005.0	000.0100	0839.7	015.9	183.1	000.0050	0527.3	043.1	38.40
006.0	000.0100	0844.0	015.9	182.8	000.0049	0526.7	043.1	38.32
007.0	000.0100	0847.5	016.0	182.4	000.0048	0526.4	043.1	38.24
008.0	000.0100	0851.7	016.0	182.0	000.0047	0526.0	043.1	38.15
009.0	000.0100	0855.1	016.0	181.6	000.0047	0525.5	043.1	38.05
010.0	000.0100	0857.6	016.0	181.3	000.0046	0525.1	043.1	37.95
011.0	000.0100	0860.5	016.0	180.9	000.0045	0524.6	043.1	37.85
012.0	000.0100	0863.5	016.1	180.5	000.0044	0524.3	043.2	37.75
013.0	000.0100	0864.2	016.1	180.2	000.0043	0523.9	043.2	37.64
014.0	000.0100	0864.3	016.1	179.8	000.0043	0523.6	043.3	37.57
015.0	000.0100	0865.1	016.1	179.5	000.0043	0523.4	043.3	37.54
016.0	000.0100	0866.8	016.1	179.1	000.0043	0523.1	043.4	37.51
017.0	000.0100	0868.1	016.1	178.7	000.0043	0522.9	043.5	37.47
018.0	000.0100	0869.2	016.1	178.4	000.0043	0522.6	043.6	37.43
019.0	000.0100	0869.7	016.1	178.0	000.0043	0522.3	043.7	37.39
020.0	000.0100	0870.0	016.1	177.7	000.0043	0522.0	043.8	37.34
021.0	000.0100	0870.4	016.1	177.4	000.0043	0521.8	043.9	37.30
022.0	000.0100	0871.0	016.1	177.0	000.0043	0521.3	044.0	37.24
023.0	000.0100	0871.5	016.1	176.7	000.0043	0521.0	044.1	37.19
024.0	000.0100	0871.7	016.1	176.4	000.0043	0520.8	044.2	37.14
025.0	000.0100	0872.1	016.1	176.0	000.0043	0520.6	044.4	37.09
026.0	000.0100	0872.9	016.1	175.7	000.0043	0520.5	044.5	37.03
027.0	000.0100	0873.4	016.1	175.4	000.0043	0520.2	044.6	36.97
028.0	000.0100	0874.3	016.1	175.1	000.0043	0520.0	044.8	36.91
029.0	000.0100	0875.2	016.1	174.8	000.0043	0519.7	044.9	36.85
030.0	000.0100	0876.5	016.1	174.5	000.0043	0519.4	045.1	36.78
031.0	000.0100	0877.7	016.1	174.2	000.0043	0519.2	045.2	36.72
032.0	000.0100	0878.7	016.2	173.9	000.0043	0518.8	045.4	36.65
033.0	000.0100	0879.3	016.2	173.6	000.0043	0518.4	045.6	36.57
034.0	000.0100	0879.8	016.2	173.4	000.0043	0517.9	045.8	36.50
035.0	000.0100	0880.3	016.2	173.1	000.0043	0517.6	046.0	36.42
036.0	000.0100	0881.0	016.2	172.8	000.0043	0517.2	046.1	36.34
037.0	000.0100	0881.6	016.2	172.6	000.0043	0516.7	046.3	36.26
038.0	000.0100	0882.3	016.2	172.3	000.0043	0516.1	046.5	36.18
039.0	000.0100	0882.8	016.2	172.1	000.0043	0515.4	046.7	36.09
040.0	000.0100	0883.2	016.2	171.9	000.0043	0514.9	046.9	36.00
041.0	000.0100	0883.4	016.2	171.6	000.0043	0514.4	047.1	35.92
042.0	000.0100	0883.5	016.2	171.4	000.0043	0513.9	047.4	35.83
043.0	000.0100	0883.5	016.2	171.2	000.0043	0513.4	047.6	35.74