

Shepherd Communications Contour-to-Contour Study										
REFERENCE 34 24 45 N. 119 11 16 W.		CH# 208B1 - 89.5 MHz, Pwr= 1 kW, HAAT=403.0 M, COR= 885 M Average Protected F(50-50)= 36.13 km Ave. F(50-10) 40 dBu= 96.2 54 dBu= 55.1 80 dBu= 11.6 100 dBu= 2.1							DISPLAY DATES DATA 03-24-06 SEARCH 03-24-06	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
208A Ojai	KLFH	LIC DCX CA	0.0 0.0	0.00 BLED20030305AAI	34 24 45 119 11 16	0.097 61	885 26.6	8.0 Shepherd Communications	-39.43*	-53.32*
208B Shafter	KGLV	CP DVN CA	347.7 167.5	133.83 BNPED20000518ACI	35 35 25 119 30 17	22.048 143	227 118.0	44.0 Educational Media Foundati	2.79	44.69
207B Pasadena	KPCC	LIC C CA	101.0 281.7	105.28 BMLED20011128ACS	34 13 36 118 03 58	0.600 708	1783 65.2	43.5 Pasadena Area Community Co	5.11	7.47
209B Santa Maria	KHFR	LIC DVX CA	301.5 121.0	106.84 BLED20050615ACJ	34 54 37 120 11 08	0.629 519	1005 57.5	37.2 Family Stations, Inc.	16.30	18.41
206A Oxnard	KCRU	LIC DCX CA	160.5 340.5	35.26 BLED20040422ABU	34 06 47 119 03 34	0.663 377	405 1.7	31.9 Santa Monica Community Col	0.77	2.43
210A Santa Barbara	KSBX	LIC DCX CA	277.7 97.4	45.35 BLED20030807AGF	34 27 57 119 40 37	0.062 162	661 0.6	11.7 Kcbx, Inc.	0.76	31.70 ***
208B1 Victorville	KXRD	LIC DCN CA	82.2 263.3	175.60 BLED19950706KC	34 36 44 117 17 27	0.283 486	1342 86.5	29.4 Educational Media Foundati	65.17	74.66
210B Santa Monica	KCRW	LIC CN CA	113.8 294.3	80.23 BLED19810325AF	34 07 08 118 23 30	6.900 273	537 4.2	45.0 Santa Monica Community Col	43.03	34.20
205B Rosedale	KOGR.C	CP DCX CA	312.6 132.1	105.31 BPED19990407MD	35 03 00 120 02 23	3.600 300	1209 3.4	41.2 Csn International	74.92	62.95
205A Los Angeles	KXLU	LIC HN CA	124.4 304.9	86.39 BLED662	33 58 16 118 24 56	2.900 27	65 1.6	13.1 Loyol a Marymount Uni versi t	52.72	72.31
06Z2 Tijuana	XETV«	LI CN BN	136.3 317.5	291.19 BPFS	32 30 02 117 02 31	99.250 373	409 22.6	109.0 196.0R	196.0R	95.2M
06+2C San Louis Obispo	KSBY	LI N CA	308.6 127.8	170.43 BMLCT19860228KG	35 21 37 120 39 18	100.000 342	885 21.9	106.7 Ksby Communications, Inc.	196.0R	-25.6M•
06-T San Fernando Valley	KSFV-L	CP N CA	101.8 282.4	106.01 BPTVL20021018AAZ	34 12 46 118 03 42	0.499 733	1680 24.0	38.3 Venture Technologies Group	196.0R	-90.0M•

ERP and HAAT are on direct line to and from reference station.

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

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

"«" = station meets FCC minimum distance spacing for its class.

\*\*\* = KSBX has been moved from channel 208 to 210 in a simultaneous contingent filing

## HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "\* IN \*" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records, unless otherwise noted in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "\* OUT \*" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Under the "AZIMUTH" column, the first row of numbers indicate the True North bearings from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N".

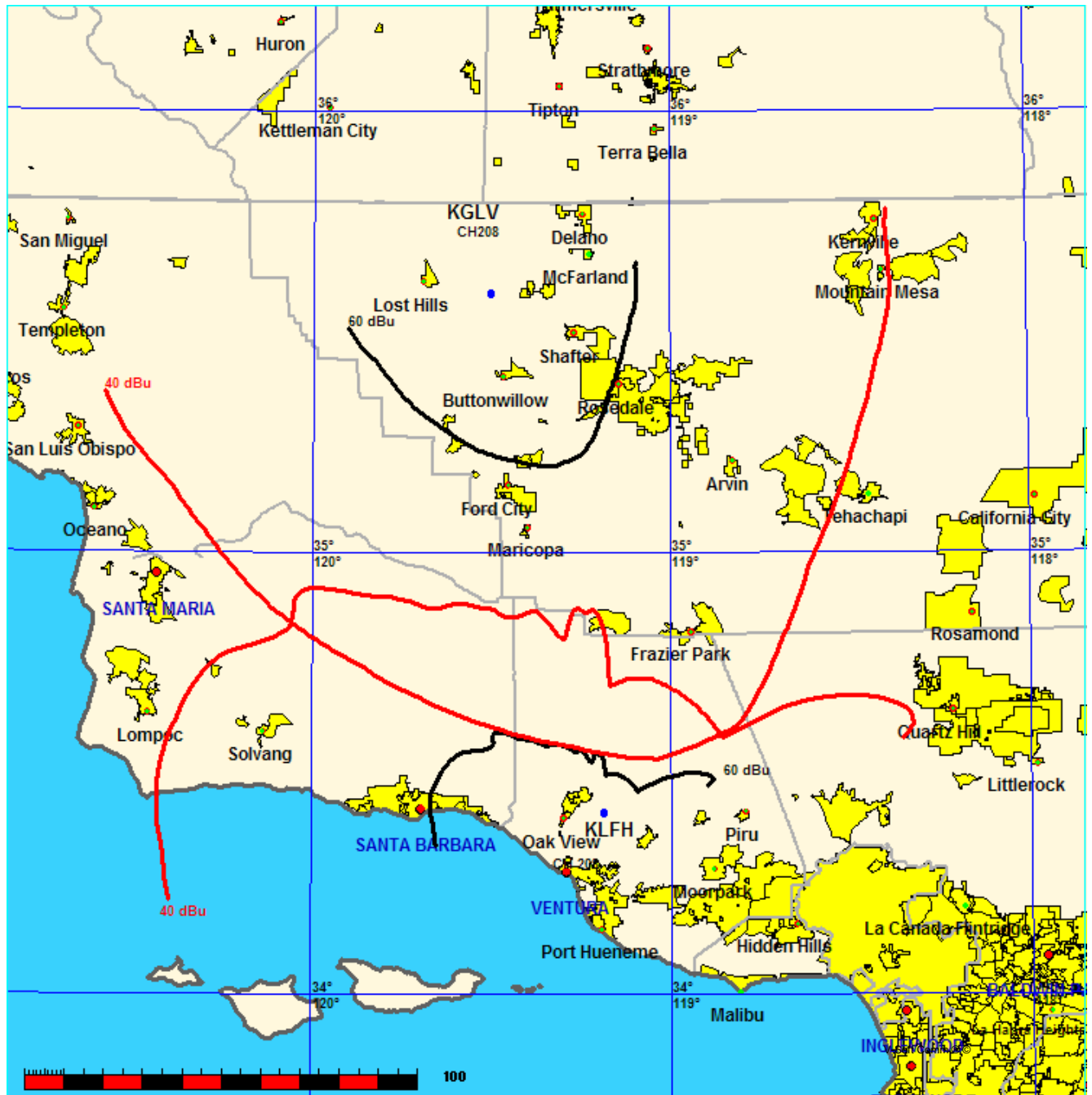
Shepherd Communications  
Contour-to-Contour Study with KGLV, Shaftner

FMCommander Allocation Study  
03-31-2006

KLFH CH 208 B1  
1.0 kW 885 M COR DA  
Prot. = 60 dBu  
Intef. = 40 dBu

KGLV CH 208 B BNPED20000518ACI  
50.0 kW, 227 M COR DA  
Prot. = 60 dBu  
Intef. = 40 dBu

Scale = 1:2,500,000



03-31-2006

30 Arc-Sec. Terrain Data

FMOver Analysis

KLFH

Channel = 208B1

Max ERP = 1 kW

RCAMSL = 885 M

N. Lat = 34 24 45

W. Lng = 119 11 16

Protected

60 dBu

KGLV

BNPED20000518ACI

Channel = 208B

Max ERP = 50 kW

RCAMSL = 227 M

N. Lat = 35 35 25

W. Lng = 119 30 17

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
288.0	000.7317	0589.0	041.3	185.0	012.7404	0144.4	118.3	37.61
289.0	000.7203	0583.3	041.0	184.8	012.8226	0144.4	117.7	37.75
290.0	000.7090	0576.3	040.6	184.5	012.9204	0144.4	117.1	37.89
291.0	000.6842	0569.4	040.0	184.2	013.0509	0144.6	116.6	38.03
292.0	000.6600	0561.2	039.4	183.8	013.1946	0144.6	116.2	38.17
293.0	000.6361	0550.4	038.6	183.3	013.3605	0144.6	115.8	38.30
294.0	000.6127	0535.2	037.7	182.7	013.5646	0144.6	115.5	38.42
295.0	000.5897	0517.6	036.6	182.1	013.7932	0144.6	115.3	38.53
296.0	000.5672	0500.4	035.5	181.5	014.0171	0144.6	115.1	38.63
297.0	000.5451	0487.8	034.7	181.0	014.2085	0144.5	114.9	38.72
298.0	000.5234	0478.7	034.0	180.5	014.3763	0144.5	114.7	38.81
299.0	000.5022	0472.4	033.4	180.1	014.5272	0144.4	114.5	38.90
300.0	000.4815	0470.8	033.0	179.8	014.6689	0144.4	114.2	39.00
301.0	000.4598	0478.3	032.9	179.6	014.7577	0144.4	113.7	39.11
302.0	000.4391	0494.6	033.2	179.6	014.7751	0144.4	113.1	39.24
303.0	000.4193	0516.0	033.6	179.6	014.7510	0144.4	112.3	39.38
304.0	000.4005	0536.6	034.1	179.7	014.7366	0144.4	111.6	39.52
305.0	000.3824	0549.8	034.2	179.6	014.7966	0144.4	111.0	39.65
306.0	000.3652	0553.0	034.0	179.3	014.9412	0144.3	110.7	39.76
307.0	000.3488	0546.1	033.3	178.8	015.1638	0144.3	110.6	39.84
308.0	000.3331	0529.6	032.3	178.2	015.4656	0144.3	110.8	39.88
309.0	000.3181	0504.7	030.9	177.5	015.8234	0144.2	111.3	39.88
310.0	000.3038	0475.9	029.6	176.8	016.1851	0144.2	111.8	39.87
311.0	000.2901	0449.4	028.3	176.2	016.5096	0144.1	112.3	39.86
312.0	000.2770	0429.9	027.4	175.6	016.7741	0144.1	112.7	39.87
313.0	000.2646	0417.6	026.7	175.2	016.9893	0144.0	112.8	39.88
314.0	000.2527	0407.0	026.1	174.9	017.1895	0144.0	113.0	39.91
315.0	000.2413	0395.1	025.5	174.5	017.3924	0143.8	113.2	39.91
316.0	000.2304	0380.6	024.8	174.1	017.6038	0143.8	113.4	39.91
317.0	000.2201	0363.2	024.0	173.7	017.8275	0143.8	113.8	39.89
318.0	000.2102	0344.2	023.1	173.2	018.0540	0143.6	114.3	39.86
319.0	000.2007	0325.6	022.3	172.8	018.2727	0143.6	114.7	39.82
320.0	000.2102	0309.1	022.0	172.6	018.4067	0143.6	114.8	39.84
321.0	000.2179	0296.6	021.7	172.4	018.5320	0143.4	114.8	39.87
322.0	000.2258	0287.7	021.6	172.2	018.6401	0143.4	114.7	39.91
323.0	000.2338	0279.1	021.4	172.0	018.7480	0143.4	114.7	39.94
324.0	000.2419	0268.6	021.2	171.7	018.8663	0143.4	114.7	39.97

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
325.0	000.2502	0256.4	020.9	171.5	018.9947	0143.4	114.8	39.98
326.0	000.2586	0244.0	020.6	171.3	019.1253	0143.3	114.9	39.98
327.0	000.2672	0230.6	020.2	171.0	019.2618	0143.3	115.1	39.97
328.0	000.2759	0216.7	019.8	170.8	019.4009	0143.3	115.4	39.95
329.0	000.2848	0204.4	019.4	170.6	019.5315	0143.3	115.6	39.93
330.0	000.2938	0194.2	019.0	170.3	019.6505	0143.1	115.8	39.92
331.0	000.2993	0183.0	018.6	170.1	019.7781	0143.1	116.1	39.89
332.0	000.3049	0169.7	018.0	169.9	019.9512	0143.1	116.6	39.84
333.0	000.3106	0157.8	017.4	169.6	020.1525	0143.1	117.1	39.80
334.0	000.3163	0150.4	017.0	169.4	020.3194	0143.0	117.4	39.77
335.0	000.3221	0146.2	016.8	169.3	020.4607	0143.0	117.5	39.78
336.0	000.3279	0143.4	016.7	169.1	020.5924	0143.0	117.5	39.80
337.0	000.3337	0141.6	016.7	169.0	020.7162	0143.0	117.5	39.84
338.0	000.3397	0139.9	016.6	168.8	020.8402	0143.0	117.5	39.87
339.0	000.3456	0138.3	016.6	168.7	020.9644	0143.0	117.4	39.89
340.0	000.3516	0136.8	016.6	168.6	021.0886	0143.0	117.4	39.92
341.0	000.3596	0132.8	016.4	168.4	021.2213	0143.0	117.6	39.93
342.0	000.3677	0122.4	015.8	168.2	021.3736	0143.0	118.1	39.85
343.0	000.3759	0109.0	014.9	168.1	021.5251	0143.0	119.0	39.72
344.0	000.3842	0097.4	014.1	167.9	021.6602	0143.0	119.7	39.61
345.0	000.3925	0088.6	013.5	167.8	021.7782	0143.0	120.3	39.53
346.0	000.4009	0081.8	013.1	167.7	021.8850	0143.0	120.7	39.47
347.0	000.4095	0078.6	012.9	167.6	021.9829	0143.0	120.9	39.46
348.0	000.4181	0080.7	013.1	167.4	022.0794	0143.0	120.7	39.52
349.0	000.4268	0087.6	013.7	167.3	022.1839	0143.0	120.1	39.65
350.0	000.4356	0094.4	014.3	167.2	022.2988	0143.0	119.5	39.78
351.0	000.4554	0098.7	014.9	167.1	022.4220	0143.0	119.0	39.90
352.0	000.4755	0100.1	015.1	166.9	022.5457	0143.0	118.7	39.97
353.0	000.4962	0098.5	015.2	166.8	022.6629	0143.0	118.7	39.99
354.0	000.5172	0092.6	014.8	166.7	022.7600	0143.0	119.1	39.94
355.0	000.5388	0087.9	014.6	166.6	022.8565	0143.0	119.4	39.91
356.0	000.5607	0087.2	014.7	166.5	022.9735	0143.0	119.3	39.94
357.0	000.5831	0086.8	014.8	166.3	023.0939	0143.0	119.3	39.97
358.0	000.6059	0081.9	014.5	166.2	023.1785	0143.0	119.6	39.92
359.0	000.6292	0070.7	013.6	166.2	023.2043	0143.0	120.5	39.76
000.0	000.6529	0060.9	012.9	166.2	023.2292	0143.0	121.3	39.63
001.0	000.6735	0051.2	012.0	166.2	023.2240	0143.0	122.2	39.45
002.0	000.6946	0038.7	010.4	166.3	023.1359	0143.0	123.7	39.16
003.0	000.7159	0017.2	009.3	166.3	023.0776	0143.0	124.8	38.94
004.0	000.7375	-0004.2	009.4	166.3	023.1525	0143.0	124.8	38.96
005.0	000.7595	-0021.6	009.5	166.2	023.2279	0143.0	124.8	38.98
006.0	000.7818	-0031.5	009.6	166.1	023.3044	0143.0	124.8	38.99
007.0	000.8044	-0038.2	009.6	166.0	023.3812	0143.0	124.8	39.01
008.0	000.8274	-0043.4	009.7	165.9	023.4586	0143.0	124.8	39.02
009.0	000.8506	-0045.1	009.8	165.8	023.5363	0143.0	124.8	39.04
010.0	000.8742	-0044.9	009.8	165.8	023.6146	0143.0	124.8	39.05
011.0	000.8864	-0042.1	009.9	165.7	023.6875	0143.0	124.8	39.06
012.0	000.8987	-0041.2	009.9	165.6	023.7601	0143.0	124.9	39.06
013.0	000.9111	-0043.4	009.9	165.5	023.8327	0143.0	124.9	39.06
014.0	000.9235	-0049.7	010.0	165.4	023.9052	0142.9	125.0	39.07
015.0	000.9361	-0060.4	010.0	165.4	023.9775	0142.9	125.0	39.07

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
016.0	000.9487	-0074.3	010.0	165.3	024.0498	0142.9	125.1	39.07
017.0	000.9614	-0087.6	010.1	165.2	024.1218	0142.9	125.2	39.07
018.0	000.9742	-0102.5	010.1	165.1	024.1934	0142.9	125.2	39.07
019.0	000.9870	-0120.2	010.1	165.1	024.2650	0142.9	125.3	39.07
020.0	001.0000	-0136.5	010.2	165.0	024.3359	0142.9	125.4	39.07
021.0	001.0000	-0148.5	010.2	164.9	024.3985	0142.9	125.5	39.07
022.0	001.0000	-0160.7	010.2	164.9	024.4601	0142.9	125.6	39.06
023.0	001.0000	-0177.8	010.2	164.8	024.5209	0142.9	125.7	39.05
024.0	001.0000	-0194.6	010.2	164.7	024.5809	0142.9	125.8	39.04
025.0	001.0000	-0205.0	010.2	164.7	024.6401	0142.9	125.9	39.03
026.0	001.0000	-0206.5	010.2	164.6	024.6980	0142.9	126.0	39.01
027.0	001.0000	-0203.3	010.2	164.5	024.7552	0142.9	126.1	39.00
028.0	001.0000	-0199.4	010.2	164.5	024.8116	0142.9	126.3	38.99
029.0	001.0000	-0199.8	010.2	164.4	024.8670	0142.9	126.4	38.98
030.0	001.0000	-0204.6	010.2	164.4	024.9215	0142.9	126.5	38.96
031.0	001.0000	-0209.3	010.2	164.3	024.9747	0142.9	126.6	38.95
032.0	001.0000	-0211.7	010.2	164.3	025.0270	0142.9	126.8	38.93
033.0	001.0000	-0215.5	010.2	164.2	025.0784	0142.9	126.9	38.92
034.0	001.0000	-0224.6	010.2	164.2	025.1288	0142.9	127.0	38.90
035.0	001.0000	-0236.6	010.2	164.1	025.1780	0142.9	127.2	38.88
036.0	001.0000	-0248.2	010.2	164.1	025.2260	0142.9	127.3	38.86
037.0	001.0000	-0257.1	010.2	164.0	025.2731	0142.9	127.5	38.85
038.0	001.0000	-0262.0	010.2	164.0	025.3189	0142.9	127.6	38.83
039.0	001.0000	-0262.7	010.2	163.9	025.3635	0142.9	127.7	38.81
040.0	001.0000	-0260.4	010.2	163.9	025.4069	0142.9	127.9	38.79
041.0	001.0000	-0255.9	010.2	163.8	025.4494	0142.9	128.0	38.77
042.0	001.0000	-0250.7	010.2	163.8	025.4907	0142.9	128.2	38.75
043.0	001.0000	-0246.0	010.2	163.7	025.5308	0142.9	128.3	38.72
044.0	001.0000	-0238.9	010.2	163.7	025.5694	0142.9	128.5	38.70
045.0	001.0000	-0227.7	010.2	163.7	025.6071	0142.9	128.6	38.68
046.0	001.0000	-0214.2	010.2	163.6	025.6433	0142.9	128.8	38.65
047.0	001.0000	-0201.1	010.2	163.6	025.6786	0142.9	129.0	38.63
048.0	001.0000	-0188.8	010.2	163.5	025.7125	0142.9	129.1	38.61

## 03-31-2006 30 Arc-Sec. Sec. Terrain Data

KGLV BNPED20000518ACI  
 Channel = 208B  
 Max ERP = 50 kW  
 RCAMSL = 227 M  
 N. Lat = 35 35 25  
 W. Lng = 119 30 17  
 Protected  
 60 dBu

KLFH  
 Channel = 208B1  
 Max ERP = 1 kW  
 RCAMSL = 885 M  
 N. Lat = 34 24 45  
 W. Lng = 119 11 16  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
107.0	008.8200	0141.4	036.2	002.7	000.7091	0017.2	120.2	20.51
108.0	008.8200	0141.3	036.2	002.6	000.7072	0017.2	119.6	20.62
109.0	008.8200	0141.4	036.2	002.5	000.7055	0017.2	119.0	20.73
110.0	008.8200	0141.4	036.2	002.4	000.7037	0038.7	118.4	21.31
111.0	008.9464	0141.5	036.3	002.4	000.7029	0038.7	117.7	21.43
112.0	009.0738	0141.7	036.5	002.4	000.7020	0038.7	117.1	21.54
113.0	009.2020	0141.8	036.6	002.3	000.7010	0038.7	116.5	21.66
114.0	009.3312	0141.9	036.7	002.2	000.6998	0038.7	115.8	21.77
115.0	009.4613	0142.0	036.8	002.2	000.6985	0038.7	115.2	21.89
116.0	009.5922	0142.1	037.0	002.1	000.6970	0038.7	114.5	22.00
117.0	009.7240	0142.3	037.1	002.0	000.6954	0038.7	113.9	22.11
118.0	009.8568	0142.4	037.2	002.0	000.6936	0038.7	113.3	22.22
119.0	009.9904	0142.5	037.3	001.9	000.6916	0038.7	112.6	22.33
120.0	010.1250	0142.5	037.5	001.8	000.6895	0038.7	112.0	22.44
121.0	010.3512	0142.6	037.6	001.7	000.6879	0038.7	111.3	22.55
122.0	010.5800	0142.7	037.8	001.6	000.6861	0038.7	110.7	22.67
123.0	010.8113	0142.7	038.0	001.5	000.6841	0038.7	110.0	22.78
124.0	011.0450	0142.8	038.2	001.4	000.6819	0051.2	109.3	23.47
125.0	011.2812	0142.8	038.4	001.3	000.6796	0051.2	108.7	23.57
126.0	011.5200	0143.0	038.6	001.2	000.6771	0051.2	108.0	23.68
127.0	011.7612	0143.2	038.8	001.0	000.6745	0051.2	107.4	23.78
128.0	012.0050	0143.4	038.9	000.9	000.6718	0051.2	106.7	23.88
129.0	012.2513	0143.5	039.1	000.8	000.6687	0051.2	106.0	23.99
130.0	012.5000	0143.5	039.3	000.6	000.6654	0051.2	105.4	24.08
131.0	013.1072	0143.4	039.7	000.5	000.6637	0051.2	104.6	24.22
132.0	013.7288	0143.4	040.1	000.4	000.6618	0060.9	103.9	24.73
133.0	014.3648	0143.4	040.4	000.3	000.6596	0060.9	103.1	24.86
134.0	015.0152	0143.4	040.8	000.2	000.6571	0060.9	102.3	24.99
135.0	015.6800	0143.3	041.1	000.1	000.6542	0060.9	101.6	25.12
136.0	016.3592	0143.1	041.5	359.9	000.6506	0060.9	100.8	25.24
137.0	017.0528	0142.9	041.8	359.7	000.6465	0060.9	100.1	25.36
138.0	017.7608	0142.8	042.1	359.5	000.6421	0060.9	099.4	25.48
139.0	018.4832	0142.9	042.5	359.4	000.6375	0070.7	098.6	26.00
140.0	019.2200	0143.0	042.8	359.2	000.6328	0070.7	097.9	26.13

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
141.0	020.2248	0143.3	043.3	359.0	000.6286	0070.7	097.0	26.28
142.0	021.2552	0143.5	043.7	358.8	000.6241	0070.7	096.2	26.44
143.0	022.3112	0143.6	044.2	358.6	000.6190	0070.7	095.4	26.58
144.0	023.3928	0143.7	044.6	358.3	000.6136	0081.9	094.6	27.21
145.0	024.5000	0143.8	045.0	358.1	000.6077	0081.9	093.8	27.35
146.0	025.6328	0143.9	045.4	357.8	000.6013	0081.9	093.1	27.49
147.0	026.7912	0143.8	045.8	357.5	000.5945	0081.9	092.4	27.63
148.0	027.9752	0143.8	046.2	357.2	000.5874	0086.8	091.6	27.98
149.0	029.1848	0143.8	046.5	356.9	000.5798	0086.8	090.9	28.11
150.0	030.4200	0143.7	046.9	356.5	000.5719	0086.8	090.2	28.23
151.0	030.3031	0143.7	046.8	356.0	000.5613	0087.2	089.9	28.25
152.0	030.1864	0143.6	046.8	355.5	000.5506	0087.2	089.6	28.24
153.0	030.0700	0143.6	046.8	355.1	000.5400	0087.9	089.3	28.26
154.0	029.9538	0143.5	046.7	354.6	000.5293	0087.9	089.1	28.24
155.0	029.8378	0143.4	046.7	354.1	000.5186	0092.6	088.8	28.43
156.0	029.7220	0143.3	046.6	353.6	000.5079	0092.6	088.6	28.40
157.0	029.6065	0143.3	046.6	353.1	000.4972	0098.5	088.4	28.63
158.0	029.4912	0143.2	046.5	352.5	000.4866	0098.5	088.3	28.58
159.0	029.3761	0143.1	046.5	352.0	000.4760	0100.1	088.1	28.60
160.0	029.2612	0143.1	046.4	351.5	000.4655	0100.1	088.0	28.54
161.0	028.2376	0143.0	046.1	351.0	000.4545	0098.7	088.2	28.32
162.0	027.2322	0143.0	045.8	350.4	000.4437	0094.4	088.4	27.97
163.0	026.2450	0142.9	045.5	349.9	000.4345	0094.4	088.6	27.82
164.0	025.2760	0142.9	045.1	349.4	000.4299	0087.6	088.8	27.39
165.0	024.3253	0142.9	044.8	348.8	000.4254	0087.6	089.1	27.28
166.0	023.3928	0143.0	044.5	348.3	000.4210	0080.7	089.4	26.84
167.0	022.4785	0143.0	044.1	347.8	000.4167	0080.7	089.7	26.71
168.0	021.5825	0143.0	043.8	347.4	000.4125	0078.6	090.0	26.48
169.0	020.7046	0143.0	043.5	346.9	000.4084	0078.6	090.4	26.35
170.0	019.8450	0143.1	043.1	346.4	000.4045	0081.8	090.8	26.35
171.0	019.2820	0143.3	042.9	346.0	000.4006	0081.8	091.1	26.23
172.0	018.7272	0143.4	042.7	345.5	000.3968	0081.8	091.4	26.12
173.0	018.1804	0143.6	042.4	345.1	000.3932	0088.6	091.7	26.30
174.0	017.6418	0143.8	042.2	344.6	000.3896	0088.6	092.0	26.17
175.0	017.1113	0144.0	042.0	344.2	000.3861	0097.4	092.4	26.43
176.0	016.5888	0144.1	041.7	343.8	000.3827	0097.4	092.8	26.29
177.0	016.0745	0144.2	041.5	343.4	000.3794	0109.0	093.2	26.64
178.0	015.5682	0144.3	041.2	343.0	000.3762	0109.0	093.6	26.49
179.0	015.0701	0144.3	040.9	342.7	000.3731	0109.0	094.1	26.34
180.0	014.5800	0144.4	040.7	342.3	000.3702	0122.4	094.5	26.74
181.0	014.2044	0144.5	040.5	341.9	000.3672	0122.4	095.0	26.59
182.0	013.8338	0144.6	040.3	341.6	000.3644	0122.4	095.4	26.44
183.0	013.4680	0144.6	040.0	341.2	000.3616	0132.8	095.8	26.70
184.0	013.1072	0144.6	039.8	340.9	000.3590	0132.8	096.3	26.54
185.0	012.7512	0144.4	039.6	340.6	000.3565	0132.8	096.8	26.38
186.0	012.4002	0144.3	039.3	340.3	000.3541	0136.8	097.3	26.37
187.0	012.0540	0144.2	039.1	340.0	000.3517	0136.8	097.9	26.20
188.0	011.7128	0144.1	038.8	339.7	000.3500	0136.8	098.4	26.04
189.0	011.3764	0143.7	038.5	339.5	000.3485	0138.3	099.0	25.93
190.0	011.0450	0143.3	038.3	339.2	000.3470	0138.3	099.6	25.76
191.0	010.8392	0143.0	038.1	339.0	000.3454	0138.3	100.1	25.61



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
192.0	010.6353	0142.8	037.9	338.7	000.3438	0138.3	100.6	25.46
193.0	010.4333	0142.4	037.7	338.5	000.3424	0139.9	101.1	25.37
194.0	010.2333	0141.7	037.5	338.2	000.3411	0139.9	101.7	25.21
195.0	010.0352	0140.9	037.2	338.0	000.3399	0139.9	102.3	25.05
196.0	009.8390	0140.1	036.9	337.8	000.3387	0139.9	102.9	24.89
197.0	009.6448	0139.4	036.7	337.6	000.3376	0139.9	103.5	24.74
198.0	009.4526	0138.9	036.5	337.5	000.3365	0141.6	104.1	24.64
199.0	009.2622	0138.3	036.2	337.3	000.3354	0141.6	104.7	24.49
200.0	009.0738	0137.8	036.0	337.1	000.3345	0141.6	105.3	24.34
201.0	009.0058	0137.1	035.9	336.9	000.3333	0141.6	105.8	24.21
202.0	008.9380	0136.5	035.7	336.7	000.3322	0141.6	106.3	24.07
203.0	008.8705	0135.8	035.6	336.6	000.3312	0141.6	106.9	23.94
204.0	008.8032	0135.3	035.5	336.4	000.3302	0143.4	107.4	23.87
205.0	008.7362	0134.9	035.4	336.2	000.3292	0143.4	107.9	23.74
206.0	008.6694	0134.6	035.3	336.1	000.3282	0143.4	108.5	23.61
207.0	008.6030	0134.4	035.2	335.9	000.3272	0143.4	109.0	23.48
208.0	008.5367	0134.3	035.1	335.7	000.3262	0143.4	109.5	23.36
209.0	008.4707	0134.3	035.0	335.6	000.3253	0143.4	110.1	23.24
210.0	008.4050	0134.3	035.0	335.4	000.3244	0146.2	110.6	23.21
211.0	008.3232	0134.4	034.9	335.3	000.3235	0146.2	111.1	23.09
212.0	008.2418	0134.4	034.8	335.1	000.3227	0146.2	111.7	22.97
213.0	008.1608	0134.4	034.8	335.0	000.3220	0146.2	112.2	22.85
214.0	008.0802	0134.5	034.7	334.9	000.3212	0146.2	112.8	22.73
215.0	008.0000	0134.5	034.6	334.7	000.3205	0146.2	113.4	22.61
216.0	007.9202	0134.5	034.5	334.6	000.3199	0146.2	113.9	22.49
217.0	007.8408	0134.3	034.4	334.5	000.3194	0146.2	114.5	22.38
218.0	007.7618	0134.2	034.3	334.4	000.3188	0150.4	115.1	22.39
219.0	007.6832	0134.4	034.3	334.3	000.3183	0150.4	115.7	22.28
220.0	007.6050	0134.8	034.2	334.2	000.3177	0150.4	116.2	22.16
221.0	007.4884	0135.3	034.2	334.2	000.3172	0150.4	116.8	22.05
222.0	007.3728	0135.5	034.1	334.1	000.3168	0150.4	117.4	21.93
223.0	007.2580	0135.9	034.0	334.0	000.3164	0150.4	118.0	21.81
224.0	007.1442	0136.4	033.9	334.0	000.3160	0150.4	118.5	21.70
225.0	007.0313	0137.1	033.9	333.9	000.3156	0150.4	119.1	21.59
226.0	006.9192	0137.8	033.8	333.8	000.3153	0150.4	119.7	21.47
227.0	006.8081	0138.4	033.8	333.8	000.3149	0150.4	120.3	21.36

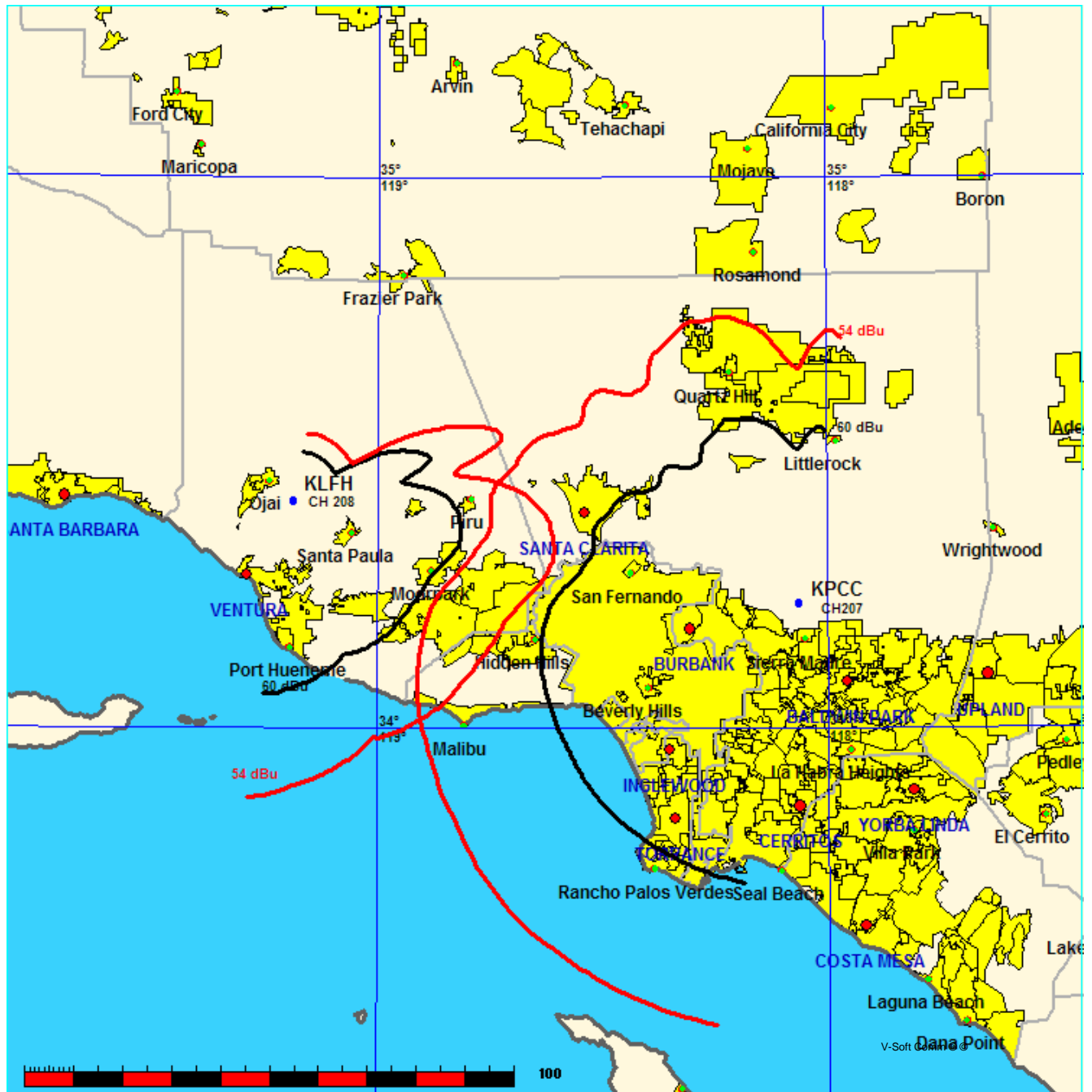
Pasadena Area Community College  
Contour-to-Contour Study with KPCC, Pasadena

FMCommander Allocation Study  
03-31-2006

KLFH CH 208 B1  
1.0 kW 885 M COR DA  
Prot. = 60 dBu  
Intef. = 54 dBu

KPCC CH 207 B BMLED20011128ACS  
0.6 kW, 1783 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

Scale = 1:2,000,000



03-31-2006

30 Arc-Sec. Terrain Data

FMOver Analysis

KLFH

Channel = 208B1

Max ERP = 1 kW

RCAMSL = 885 M

N. Lat = 34 24 45

W. Lng = 119 11 16

Protected

60 dBu

KPCC

BMLED20011128ACS

Channel = 207B

Max ERP = 0.6 kW

RCAMSL = 1783 M

N. Lat = 34 13 36

W. Lng = 118 03 58

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
041.0	001.0000	-0255.9	010.2	286.7	000.6000	0718.5	100.6	43.25
042.0	001.0000	-0250.7	010.2	286.7	000.6000	0718.5	100.4	43.29
043.0	001.0000	-0246.0	010.2	286.6	000.6000	0718.5	100.3	43.34
044.0	001.0000	-0238.9	010.2	286.6	000.6000	0718.5	100.1	43.38
045.0	001.0000	-0227.7	010.2	286.5	000.6000	0718.5	100.0	43.43
046.0	001.0000	-0214.2	010.2	286.5	000.6000	0710.0	099.8	43.36
047.0	001.0000	-0201.1	010.2	286.4	000.6000	0710.0	099.7	43.40
048.0	001.0000	-0188.8	010.2	286.4	000.6000	0710.0	099.5	43.44
049.0	001.0000	-0175.1	010.2	286.3	000.6000	0710.0	099.4	43.49
050.0	001.0000	-0158.6	010.2	286.2	000.6000	0710.0	099.2	43.53
051.0	001.0000	-0140.2	010.2	286.2	000.6000	0710.0	099.1	43.57
052.0	001.0000	-0120.7	010.2	286.1	000.6000	0710.0	098.9	43.61
053.0	001.0000	-0100.5	010.2	286.1	000.6000	0710.0	098.8	43.65
054.0	001.0000	-0079.2	010.2	286.0	000.6000	0710.0	098.6	43.69
055.0	001.0000	-0056.5	010.2	285.9	000.6000	0710.0	098.5	43.73
056.0	001.0000	-0033.0	010.2	285.9	000.6000	0710.0	098.4	43.77
057.0	001.0000	-0008.7	010.2	285.8	000.6000	0710.0	098.2	43.81
058.0	001.0000	0016.6	010.2	285.7	000.6000	0710.0	098.1	43.85
059.0	001.0000	0043.0	012.0	286.4	000.6000	0710.0	096.7	44.26
060.0	001.0000	0067.7	015.0	287.6	000.6000	0727.4	094.5	45.16
061.0	001.0000	0089.2	017.4	288.6	000.6000	0734.6	092.6	45.84
062.0	001.0000	0107.5	019.3	289.4	000.6000	0734.6	091.1	46.31
063.0	001.0000	0124.2	020.7	289.9	000.6000	0735.3	089.9	46.70
064.0	001.0000	0142.3	022.1	290.3	000.6000	0735.3	088.7	47.08
065.0	001.0000	0161.1	023.3	290.7	000.6000	0732.4	087.5	47.42
066.0	001.0000	0179.6	024.5	291.1	000.6000	0732.4	086.4	47.77
067.0	001.0000	0196.5	025.5	291.3	000.6000	0732.4	085.4	48.09
068.0	001.0000	0211.7	026.4	291.5	000.6000	0721.5	084.4	48.25
069.0	001.0000	0226.8	027.3	291.7	000.6000	0721.5	083.4	48.56
070.0	001.0000	0240.1	028.1	291.8	000.6000	0721.5	082.5	48.84
071.0	001.0000	0253.2	028.8	291.9	000.6000	0721.5	081.7	49.11
072.0	001.0000	0261.8	029.2	291.8	000.6000	0721.5	081.0	49.32
073.0	001.0000	0263.5	029.3	291.5	000.6000	0721.5	080.6	49.45
074.0	001.0000	0259.5	029.1	291.2	000.6000	0732.4	080.5	49.64
075.0	001.0000	0245.3	028.3	290.6	000.6000	0732.4	080.8	49.54
076.0	001.0000	0227.6	027.3	289.9	000.6000	0735.3	081.4	49.41
077.0	001.0000	0208.2	026.2	289.2	000.6000	0734.6	082.1	49.17

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
078.0	001.0000	0184.1	024.8	288.4	000.6000	0727.4	083.1	48.76
079.0	001.0000	0164.6	023.6	287.7	000.6000	0727.4	083.9	48.49
080.0	001.0000	0151.3	022.7	287.2	000.6000	0718.5	084.5	48.18
081.0	000.9642	0151.0	022.5	286.9	000.6000	0718.5	084.5	48.17
082.0	000.9291	0172.3	023.7	287.0	000.6000	0718.5	083.3	48.57
083.0	000.8946	0198.7	025.0	287.1	000.6000	0718.5	081.9	49.00
084.0	000.8607	0226.3	026.3	287.2	000.6000	0718.5	080.5	49.45
085.0	000.8276	0254.4	027.6	287.2	000.6000	0718.5	079.2	49.86
086.0	000.7950	0279.8	028.6	287.1	000.6000	0718.5	078.0	50.20
087.0	000.7632	0309.2	029.7	287.1	000.6000	0718.5	076.8	50.58
088.0	000.7319	0337.9	030.8	287.0	000.6000	0718.5	075.6	50.95
089.0	000.7014	0357.9	031.5	286.7	000.6000	0718.5	074.8	51.19
090.0	000.6714	0377.2	032.0	286.4	000.6000	0710.0	074.2	51.26
091.0	000.6441	0396.5	032.4	286.1	000.6000	0710.0	073.6	51.43
092.0	000.6173	0416.6	032.8	285.7	000.6000	0710.0	073.1	51.60
093.0	000.5911	0437.1	033.3	285.4	000.6000	0701.6	072.5	51.66
094.0	000.5655	0456.4	033.7	285.0	000.6000	0701.6	072.0	51.82
095.0	000.5404	0472.8	034.0	284.5	000.6000	0701.6	071.6	51.93
096.0	000.5159	0485.2	034.1	284.1	000.6000	0696.8	071.4	51.93
097.0	000.4920	0498.4	034.3	283.6	000.6000	0696.8	071.2	52.00
098.0	000.4687	0512.4	034.4	283.2	000.6000	0699.2	071.0	52.10
099.0	000.4459	0527.1	034.6	282.7	000.6000	0699.2	070.7	52.17
100.0	000.4236	0541.7	034.8	282.2	000.6000	0705.1	070.5	52.31
101.0	000.4064	0554.7	034.9	281.7	000.6000	0705.1	070.4	52.36
102.0	000.3895	0566.7	035.0	281.2	000.6000	0715.6	070.3	52.52
103.0	000.3730	0578.2	035.0	280.7	000.6000	0715.6	070.3	52.52
104.0	000.3568	0589.3	035.0	280.2	000.6000	0732.1	070.4	52.72
105.0	000.3410	0600.3	034.9	279.7	000.6000	0732.1	070.5	52.68
106.0	000.3255	0610.3	034.8	279.2	000.6000	0747.0	070.7	52.83
107.0	000.3104	0617.9	034.7	278.7	000.6000	0747.0	070.9	52.75
108.0	000.2957	0624.8	034.5	278.3	000.6000	0760.4	071.2	52.83
109.0	000.2813	0630.9	034.2	277.9	000.6000	0760.4	071.6	52.72
110.0	000.2673	0636.6	033.9	277.4	000.6000	0777.1	072.0	52.81
111.0	000.2550	0641.6	033.7	277.0	000.6000	0777.1	072.4	52.69
112.0	000.2450	0645.6	033.4	276.6	000.6000	0777.1	072.8	52.58
113.0	000.2352	0648.6	033.2	276.3	000.6000	0797.4	073.2	52.70
114.0	000.2275	0651.1	032.9	275.9	000.6000	0797.4	073.6	52.58
115.0	000.2190	0654.5	032.7	275.5	000.6000	0797.4	074.0	52.46
116.0	000.2116	0658.8	032.5	275.1	000.6000	0821.9	074.3	52.63
117.0	000.2043	0663.0	032.4	274.8	000.6000	0821.9	074.7	52.52
118.0	000.1971	0667.0	032.2	274.5	000.6000	0848.6	075.1	52.69
119.0	000.1918	0670.0	032.0	274.1	000.6000	0848.6	075.5	52.57
120.0	000.1884	0671.8	031.9	273.8	000.6000	0848.6	075.8	52.47
121.0	000.1893	0672.0	031.9	273.4	000.6000	0879.7	076.1	52.72
122.0	000.1903	0671.4	032.0	273.0	000.6000	0879.7	076.3	52.64
123.0	000.1912	0670.9	032.0	272.6	000.6000	0879.7	076.6	52.57
124.0	000.1922	0671.0	032.0	272.3	000.6000	0909.6	076.8	52.76
125.0	000.1932	0671.1	032.1	271.9	000.6000	0909.6	077.1	52.68
126.0	000.1941	0671.0	032.1	271.5	000.6000	0909.6	077.4	52.59
127.0	000.1951	0669.9	032.1	271.2	000.6000	0938.9	077.7	52.74
128.0	000.1961	0667.8	032.1	270.9	000.6000	0938.9	078.0	52.64

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
129.0	000.1970	0666.0	032.1	270.5	000.6000	0938.9	078.4	52.53
130.0	000.1980	0665.0	032.1	270.2	000.6000	0968.1	078.7	52.66
131.0	000.1983	0665.3	032.2	269.9	000.6000	0968.1	079.1	52.55
132.0	000.1986	0667.2	032.2	269.6	000.6000	0968.1	079.4	52.45
133.0	000.1988	0670.2	032.3	269.2	000.6000	0995.9	079.7	52.59
134.0	000.1991	0673.1	032.4	268.9	000.6000	0995.9	080.1	52.48
135.0	000.1994	0675.1	032.5	268.6	000.6000	0995.9	080.4	52.38
136.0	000.1996	0675.3	032.5	268.3	000.6000	1014.6	080.8	52.41
137.0	000.1999	0674.1	032.5	268.0	000.6000	1014.6	081.3	52.27
138.0	000.2002	0674.0	032.5	267.8	000.6000	1014.6	081.7	52.15
139.0	000.2004	0676.8	032.6	267.5	000.6000	1033.6	082.1	52.19
140.0	000.2007	0682.8	032.8	267.1	000.6000	1033.6	082.4	52.09
141.0	000.1996	0690.7	032.9	266.8	000.6000	1033.6	082.8	51.98
142.0	000.1986	0698.6	033.1	266.5	000.6000	1052.7	083.2	52.03
143.0	000.1975	0704.3	033.2	266.2	000.6000	1052.7	083.6	51.90
144.0	000.1964	0707.1	033.3	265.9	000.6000	1052.7	084.1	51.76
145.0	000.1954	0708.0	033.2	265.7	000.6000	1052.7	084.6	51.61
146.0	000.1943	0708.0	033.2	265.6	000.6000	1052.7	085.1	51.46
147.0	000.1932	0708.6	033.2	265.4	000.6000	1071.1	085.6	51.46
148.0	000.1922	0710.1	033.2	265.2	000.6000	1071.1	086.1	51.31
149.0	000.1911	0712.1	033.2	265.1	000.6000	1071.1	086.7	51.16
150.0	000.1901	0713.5	033.2	264.9	000.6000	1071.1	087.2	51.01
151.0	000.1890	0715.0	033.1	264.8	000.6000	1071.1	087.7	50.86
152.0	000.1879	0718.0	033.2	264.6	000.6000	1071.1	088.3	50.71
153.0	000.1869	0722.1	033.2	264.4	000.6000	1087.9	088.8	50.70
154.0	000.1858	0724.9	033.3	264.3	000.6000	1087.9	089.3	50.55
155.0	000.1847	0725.3	033.2	264.2	000.6000	1087.9	089.9	50.39
156.0	000.1837	0725.4	033.2	264.1	000.6000	1087.9	090.4	50.22
157.0	000.1826	0726.1	033.1	264.0	000.6000	1087.9	091.0	50.06
158.0	000.1816	0726.9	033.1	263.9	000.6000	1087.9	091.6	49.90
159.0	000.1805	0726.9	033.1	263.9	000.6000	1087.9	092.1	49.73
160.0	000.1795	0726.6	033.0	263.8	000.6000	1087.9	092.7	49.57
161.0	000.1714	0725.8	032.6	264.0	000.6000	1087.9	093.4	49.38

03-31-2006 30 Arc-Sec. Sec. Terrain Data

KPCC BMLED20011128ACS  
 Channel = 207B  
 Max ERP = 0.6 kW  
 RCAMSL = 1783 M  
 N. Lat = 34 13 36  
 W. Lng = 118 03 58  
 Protected  
 60 dBu

KLFH  
 Channel = 208B1  
 Max ERP = 1 kW  
 RCAMSL = 885 M  
 N. Lat = 34 24 45  
 W. Lng = 119 11 16  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
222.0	000.6000	1433.2	057.0	133.9	000.1991	0673.1	090.7	40.76
223.0	000.6000	1429.2	057.0	133.9	000.1991	0673.1	089.7	41.05
224.0	000.6000	1424.7	056.9	133.9	000.1991	0673.1	088.7	41.37
225.0	000.6000	1419.1	056.9	133.8	000.1990	0673.1	087.7	41.68
226.0	000.6000	1412.6	056.8	133.8	000.1990	0673.1	086.8	42.00
227.0	000.6000	1405.9	056.7	133.7	000.1990	0673.1	085.8	42.32
228.0	000.6000	1399.1	056.6	133.6	000.1990	0673.1	084.8	42.63
229.0	000.6000	1392.0	056.6	133.5	000.1990	0670.2	083.8	42.90
230.0	000.6000	1384.3	056.5	133.4	000.1989	0670.2	082.8	43.21
231.0	000.6000	1375.3	056.4	133.2	000.1989	0670.2	081.9	43.51
232.0	000.6000	1364.6	056.3	133.0	000.1988	0670.2	080.9	43.81
233.0	000.6000	1352.7	056.1	132.8	000.1988	0670.2	080.0	44.11
234.0	000.6000	1341.0	056.0	132.6	000.1987	0670.2	079.0	44.40
235.0	000.6000	1330.3	055.8	132.4	000.1987	0667.2	078.1	44.64
236.0	000.6000	1320.8	055.7	132.1	000.1986	0667.2	077.2	44.93
237.0	000.6000	1312.5	055.6	131.9	000.1985	0667.2	076.2	45.21
238.0	000.6000	1305.9	055.6	131.6	000.1985	0667.2	075.3	45.50
239.0	000.6000	1301.6	055.5	131.3	000.1984	0665.3	074.4	45.75
240.0	000.6000	1298.9	055.5	131.1	000.1983	0665.3	073.5	46.03
241.0	000.6000	1296.4	055.4	130.8	000.1982	0665.3	072.6	46.31
242.0	000.6000	1291.5	055.4	130.5	000.1982	0665.3	071.7	46.58
243.0	000.6000	1283.9	055.3	130.1	000.1981	0665.0	070.8	46.85
244.0	000.6000	1274.6	055.2	129.7	000.1978	0665.0	070.0	47.10
245.0	000.6000	1265.6	055.0	129.3	000.1974	0666.0	069.2	47.37
246.0	000.6000	1257.5	054.9	128.9	000.1970	0666.0	068.4	47.61
247.0	000.6000	1249.9	054.8	128.5	000.1965	0667.8	067.6	47.88
248.0	000.6000	1243.3	054.8	128.0	000.1961	0667.8	066.8	48.13
249.0	000.6000	1238.0	054.7	127.5	000.1956	0667.8	066.0	48.37
250.0	000.6000	1233.8	054.6	127.0	000.1951	0669.9	065.2	48.64
251.0	000.6000	1230.0	054.6	126.5	000.1947	0669.9	064.4	48.87
252.0	000.6000	1224.5	054.5	126.0	000.1941	0671.0	063.7	49.12
253.0	000.6000	1218.5	054.4	125.4	000.1936	0671.1	063.0	49.34
254.0	000.6000	1212.2	054.3	124.8	000.1930	0671.1	062.3	49.56
255.0	000.6000	1205.4	054.2	124.2	000.1924	0671.0	061.6	49.78

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
256.0	000.6000	1197.1	054.1	123.5	000.1917	0671.0	061.0	49.98
257.0	000.6000	1187.2	054.0	122.8	000.1911	0670.9	060.4	50.17
258.0	000.6000	1174.5	053.8	122.1	000.1903	0671.4	059.8	50.35
259.0	000.6000	1161.1	053.6	121.3	000.1896	0672.0	059.3	50.51
260.0	000.6000	1147.9	053.4	120.5	000.1888	0671.8	058.9	50.66
261.0	000.6000	1134.5	053.2	119.6	000.1896	0671.8	058.4	50.83
262.0	000.6000	1120.3	053.0	118.8	000.1929	0670.0	058.0	51.02
263.0	000.6000	1104.6	052.7	117.9	000.1978	0667.0	057.7	51.21
264.0	000.6000	1087.9	052.4	117.0	000.2044	0663.0	057.4	51.41
265.0	000.6000	1071.1	052.1	116.1	000.2111	0658.8	057.2	51.58
266.0	000.6000	1052.7	051.8	115.1	000.2182	0654.5	057.0	51.73
267.0	000.6000	1033.6	051.5	114.1	000.2263	0651.1	056.8	51.89
268.0	000.6000	1014.6	051.1	113.2	000.2338	0648.6	056.8	52.03
269.0	000.6000	0995.9	050.8	112.2	000.2429	0645.6	056.7	52.18
270.0	000.6000	0968.1	050.2	111.2	000.2532	0641.6	056.9	52.25
271.0	000.6000	0938.9	049.6	110.1	000.2655	0636.6	057.1	52.30
272.0	000.6000	0909.6	049.0	109.1	000.2795	0630.9	057.4	52.33
273.0	000.6000	0879.7	048.3	108.1	000.2938	0624.8	057.8	52.32
274.0	000.6000	0848.6	047.6	107.1	000.3084	0617.9	058.4	52.25
275.0	000.6000	0821.9	046.9	106.2	000.3225	0610.3	058.9	52.17
276.0	000.6000	0797.4	046.2	105.3	000.3363	0600.3	059.4	52.04
277.0	000.6000	0777.1	045.6	104.5	000.3496	0589.3	059.9	51.92
278.0	000.6000	0760.4	045.1	103.6	000.3625	0589.3	060.3	51.94
279.0	000.6000	0747.0	044.7	102.9	000.3752	0578.2	060.6	51.84
280.0	000.6000	0732.1	044.2	102.1	000.3877	0566.7	061.0	51.69
281.0	000.6000	0715.6	043.7	101.4	000.4000	0554.7	061.5	51.46
282.0	000.6000	0705.1	043.4	100.7	000.4121	0554.7	061.8	51.48
283.0	000.6000	0699.2	043.2	100.0	000.4243	0541.7	062.1	51.27
284.0	000.6000	0696.8	043.1	099.3	000.4396	0527.1	062.2	51.02
285.0	000.6000	0701.6	043.3	098.6	000.4556	0527.1	062.1	51.21
286.0	000.6000	0710.0	043.5	097.8	000.4723	0512.4	061.9	51.04
287.0	000.6000	0718.5	043.8	097.1	000.4896	0498.4	061.8	50.88
288.0	000.6000	0727.4	044.1	096.4	000.5075	0485.2	061.6	50.74
289.0	000.6000	0734.6	044.3	095.6	000.5256	0485.2	061.6	50.91
290.0	000.6000	0735.3	044.3	094.9	000.5430	0472.8	061.7	50.67
291.0	000.6000	0732.4	044.3	094.2	000.5598	0456.4	062.0	50.27
292.0	000.6000	0721.5	043.9	093.6	000.5746	0456.4	062.6	50.19
293.0	000.6000	0706.1	043.4	093.1	000.5879	0437.1	063.3	49.54
294.0	000.6000	0691.6	042.9	092.6	000.6007	0437.1	064.0	49.39
295.0	000.6000	0682.6	042.7	092.1	000.6145	0416.6	064.5	48.77
296.0	000.6000	0680.8	042.6	091.5	000.6301	0416.6	064.9	48.75
297.0	000.6000	0680.1	042.6	090.9	000.6459	0396.5	065.2	48.22
298.0	000.6000	0677.5	042.5	090.4	000.6609	0377.2	065.6	47.66
299.0	000.6000	0672.5	042.3	089.9	000.6750	0377.2	066.1	47.58
300.0	000.6000	0664.1	042.0	089.4	000.6881	0357.9	066.7	46.86
301.0	000.6000	0654.3	041.7	089.0	000.7000	0357.9	067.4	46.70
302.0	000.6000	0640.7	041.3	088.7	000.7096	0357.9	068.1	46.48
303.0	000.6000	0620.6	040.6	088.5	000.7154	0357.9	069.1	46.18
304.0	000.6000	0596.6	039.8	088.4	000.7185	0337.9	070.1	45.14
305.0	000.6000	0573.7	039.0	088.4	000.7208	0337.9	071.2	44.78
306.0	000.6000	0556.4	038.4	088.2	000.7247	0337.9	072.1	44.48

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
307.0	000.6000	0543.0	037.8	088.1	000.7294	0337.9	072.9	44.21
308.0	000.6000	0532.1	037.3	087.9	000.7346	0337.9	073.7	43.97
309.0	000.6000	0526.2	037.1	087.7	000.7425	0337.9	074.3	43.80
310.0	000.6000	0529.7	037.2	087.2	000.7567	0309.2	074.7	42.79
311.0	000.6000	0539.4	037.7	086.6	000.7754	0309.2	074.8	42.85
312.0	000.6000	0550.0	038.1	086.0	000.7945	0279.8	074.9	41.96
313.0	000.6000	0557.7	038.4	085.5	000.8113	0254.4	075.2	41.16
314.0	000.6000	0560.1	038.5	085.1	000.8243	0254.4	075.6	41.08
315.0	000.6000	0559.1	038.5	084.8	000.8345	0254.4	076.2	40.96
316.0	000.6000	0554.7	038.3	084.6	000.8420	0254.4	076.8	40.79
317.0	000.6000	0543.6	037.8	084.5	000.8435	0254.4	077.6	40.54
318.0	000.6000	0525.7	037.1	084.7	000.8383	0254.4	078.6	40.19
319.0	000.6000	0505.9	036.2	084.9	000.8312	0254.4	079.6	39.81
320.0	000.6000	0489.7	035.5	085.0	000.8269	0254.4	080.5	39.50
321.0	000.6000	0480.0	035.1	085.0	000.8275	0254.4	081.2	39.26
322.0	000.6000	0475.1	034.9	084.9	000.8316	0254.4	081.9	39.08
323.0	000.6000	0472.3	034.8	084.7	000.8369	0254.4	082.4	38.92
324.0	000.6000	0472.5	034.8	084.5	000.8444	0226.3	083.0	37.86
325.0	000.6000	0477.8	035.0	084.1	000.8559	0226.3	083.4	37.79
326.0	000.6000	0490.5	035.6	083.6	000.8734	0226.3	083.7	37.78
327.0	000.6000	0508.3	036.3	083.0	000.8956	0198.7	083.9	36.78
328.0	000.6000	0524.9	037.0	082.3	000.9173	0172.3	084.1	35.74
329.0	000.6000	0535.6	037.5	081.9	000.9338	0172.3	084.5	35.69
330.0	000.6000	0541.1	037.7	081.5	000.9450	0172.3	085.0	35.58
331.0	000.6000	0544.4	037.9	081.3	000.9537	0151.0	085.6	34.57
332.0	000.6000	0547.7	038.0	081.1	000.9622	0151.0	086.2	34.43
333.0	000.6000	0552.2	038.2	080.8	000.9713	0151.0	086.8	34.31
334.0	000.6000	0558.0	038.4	080.5	000.9812	0151.0	087.3	34.18
335.0	000.6000	0567.5	038.8	080.2	000.9938	0151.3	087.9	34.09
336.0	000.6000	0580.6	039.2	079.8	001.0000	0151.3	088.4	33.96
337.0	000.6000	0593.8	039.7	079.4	001.0000	0164.6	089.0	34.33
338.0	000.6000	0598.7	039.9	079.2	001.0000	0164.6	089.6	34.14
339.0	000.6000	0594.3	039.7	079.2	001.0000	0164.6	090.3	33.93
340.0	000.6000	0583.7	039.4	079.3	001.0000	0164.6	091.1	33.71
341.0	000.6000	0575.4	039.1	079.4	001.0000	0164.6	091.8	33.50
342.0	000.6000	0571.3	038.9	079.5	001.0000	0164.6	092.5	33.30



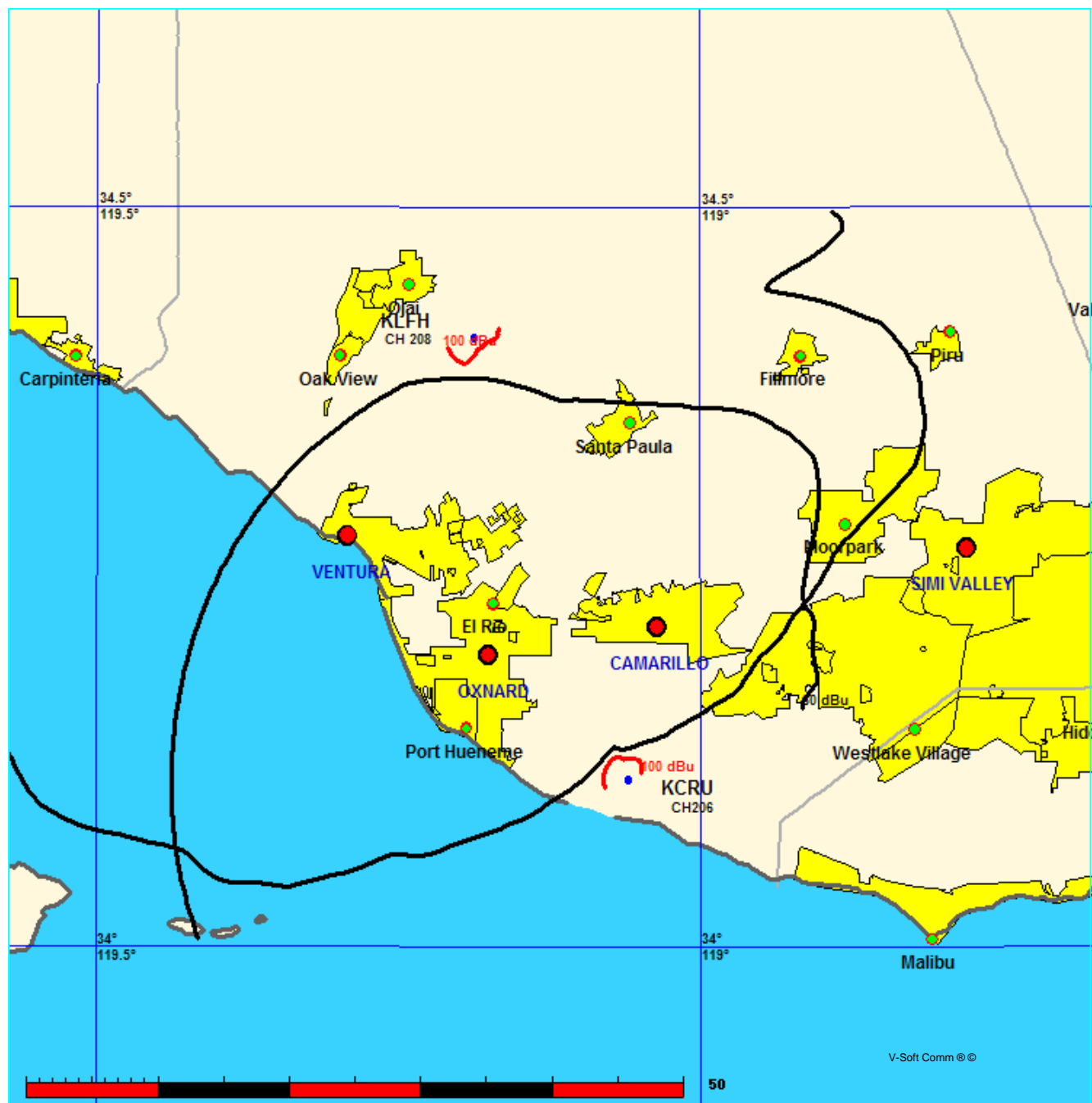
Santa Monica Community College  
Contour-to-Contour Study with KPCC, Pasadena

FMCommander Allocation Study  
03-31-2006

KLFH CH 208 B1  
1.0 kW 885 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

KCRU CH 206 A BLED20040422ABU  
0.85 kW, 405 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

Scale = 1:750,000



03-31-2006

30 Arc-Sec. Terrain Data

FMOver Analysis

KLFH

Channel = 208B1

Max ERP = 1 kW

RCAMSL = 885 M

N. Lat = 34 24 45

W. Lng = 119 11 16

Protected

60 dBu

KCRU

BLED20040422ABU

Channel = 206A

Max ERP = 0.85 kW

RCAMSL = 405 M

N. Lat = 34 06 47

W. Lng = 119 03 34

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
100.0	000.4236	0541.7	034.8	039.4	000.4327	0214.2	035.2	52.68
101.0	000.4064	0554.7	034.9	040.0	000.4256	0200.6	034.8	52.23
102.0	000.3895	0566.7	035.0	040.6	000.4202	0189.6	034.3	51.93
103.0	000.3730	0578.2	035.0	041.1	000.4155	0189.6	033.8	52.16
104.0	000.3568	0589.3	035.0	041.6	000.4114	0180.0	033.2	51.97
105.0	000.3410	0600.3	034.9	042.0	000.4076	0180.0	032.6	52.23
106.0	000.3255	0610.3	034.8	042.4	000.4045	0180.0	032.0	52.51
107.0	000.3104	0617.9	034.7	042.5	000.4028	0172.1	031.4	52.45
108.0	000.2957	0624.8	034.5	042.7	000.4018	0172.1	030.8	52.80
109.0	000.2813	0630.9	034.2	042.7	000.4014	0172.1	030.1	53.17
110.0	000.2673	0636.6	033.9	042.7	000.4017	0172.1	029.5	53.57
111.0	000.2550	0641.6	033.7	042.6	000.4020	0172.1	028.8	53.97
112.0	000.2450	0645.6	033.4	042.6	000.4021	0172.1	028.2	54.36
113.0	000.2352	0648.6	033.2	042.5	000.4030	0172.1	027.6	54.79
114.0	000.2275	0651.1	032.9	042.5	000.4032	0180.0	027.0	55.59
115.0	000.2190	0654.5	032.7	042.4	000.4041	0180.0	026.3	56.02
116.0	000.2116	0658.8	032.5	042.4	000.4041	0180.0	025.7	56.43
117.0	000.2043	0663.0	032.4	042.4	000.4045	0180.0	025.1	56.85
118.0	000.1971	0667.0	032.2	042.3	000.4055	0180.0	024.5	57.29
119.0	000.1918	0670.0	032.0	042.2	000.4057	0180.0	024.0	57.71
120.0	000.1884	0671.8	031.9	042.3	000.4052	0180.0	023.4	58.12
121.0	000.1893	0672.0	031.9	042.7	000.4015	0172.1	022.9	58.09
122.0	000.1903	0671.4	032.0	043.0	000.3984	0172.1	022.3	58.46
123.0	000.1912	0670.9	032.0	043.4	000.3953	0172.1	021.8	58.84
124.0	000.1922	0671.0	032.0	043.8	000.3919	0167.2	021.2	58.96
125.0	000.1932	0671.1	032.1	044.2	000.3885	0167.2	020.7	59.34
126.0	000.1941	0671.0	032.1	044.5	000.3853	0165.3	020.1	59.64
127.0	000.1951	0669.9	032.1	044.8	000.3829	0165.3	019.6	60.05
128.0	000.1961	0667.8	032.1	045.0	000.3814	0165.3	019.0	60.48
129.0	000.1970	0666.0	032.1	045.1	000.3799	0165.3	018.5	60.92
130.0	000.1980	0665.0	032.1	045.4	000.3779	0165.3	017.9	61.35
131.0	000.1983	0665.3	032.2	045.6	000.3759	0165.5	017.4	61.79
132.0	000.1986	0667.2	032.2	045.9	000.3727	0165.5	016.8	62.21
133.0	000.1988	0670.2	032.3	046.4	000.3686	0165.5	016.3	62.63
134.0	000.1991	0673.1	032.4	046.9	000.3648	0166.5	015.7	63.11
135.0	000.1994	0675.1	032.5	047.2	000.3617	0166.5	015.1	63.55
136.0	000.1996	0675.3	032.5	047.4	000.3605	0166.5	014.6	63.99

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
137.0	000.1999	0674.1	032.5	047.3	000.3609	0166.5	014.0	64.68
138.0	000.2002	0674.0	032.5	047.4	000.3606	0166.5	013.4	65.40
139.0	000.2004	0676.8	032.6	047.7	000.3574	0167.9	012.9	66.21
140.0	000.2007	0682.8	032.8	048.5	000.3509	0168.6	012.3	66.99
141.0	000.1996	0690.7	032.9	049.3	000.3444	0168.6	011.7	67.78
142.0	000.1986	0698.6	033.1	050.1	000.3375	0167.8	011.1	68.57
143.0	000.1975	0704.3	033.2	050.6	000.3322	0165.7	010.5	69.34
144.0	000.1964	0707.1	033.3	050.6	000.3319	0165.7	010.0	70.34
145.0	000.1954	0708.0	033.2	050.2	000.3360	0167.8	009.4	71.56
146.0	000.1943	0708.0	033.2	049.6	000.3419	0167.8	008.8	72.70
147.0	000.1932	0708.6	033.2	048.9	000.3477	0168.6	008.2	73.93
148.0	000.1922	0710.1	033.2	048.2	000.3534	0167.9	007.7	75.13
149.0	000.1911	0712.1	033.2	047.4	000.3599	0166.5	007.1	76.46
150.0	000.1901	0713.5	033.2	046.3	000.3695	0165.5	006.5	77.94
151.0	000.1890	0715.0	033.1	044.9	000.3820	0165.3	006.0	79.58
152.0	000.1879	0718.0	033.2	043.5	000.3944	0172.1	005.4	81.63
153.0	000.1869	0722.1	033.2	042.0	000.4079	0180.0	004.9	83.75
154.0	000.1858	0724.9	033.3	039.5	000.4313	0200.6	004.3	86.29
155.0	000.1847	0725.3	033.2	035.3	000.4764	0272.8	003.8	89.61
156.0	000.1837	0725.4	033.2	029.6	000.5359	0324.7	003.3	92.04
157.0	000.1826	0726.1	033.1	022.3	000.5359	0342.8	002.9	93.61
158.0	000.1816	0726.9	033.1	012.7	000.4931	0350.5	002.6	94.65
159.0	000.1805	0726.9	033.1	000.3	000.4781	0346.4	002.3	95.45
160.0	000.1795	0726.6	033.0	346.0	000.5524	0366.7	002.3	96.50
161.0	000.1714	0725.8	032.6	333.1	000.7941	0385.6	002.7	96.36
162.0	000.1795	0724.1	032.9	318.9	000.8500	0393.8	002.5	97.45
163.0	000.1879	0722.1	033.3	303.4	000.8500	0400.8	002.5	97.48
164.0	000.1968	0719.9	033.6	289.0	000.8500	0402.0	002.7	96.73
165.0	000.2061	0717.8	034.0	277.2	000.8500	0402.1	003.1	95.50
166.0	000.2158	0714.9	034.3	268.6	000.8500	0402.8	003.5	94.07
167.0	000.2259	0710.1	034.6	263.0	000.8500	0403.4	004.1	92.55
168.0	000.2366	0704.2	034.8	259.3	000.8500	0403.8	004.7	91.07
169.0	000.2477	0697.8	035.1	256.8	000.8500	0403.9	005.3	89.64
170.0	000.2594	0691.8	035.3	254.8	000.8500	0404.0	005.9	88.22
171.0	000.2716	0687.3	035.6	252.9	000.8500	0404.0	006.6	86.94
172.0	000.2844	0683.3	035.9	251.3	000.8500	0404.0	007.2	85.83
173.0	000.2979	0678.4	036.1	250.3	000.8500	0404.0	007.9	84.80
174.0	000.3119	0672.1	036.4	249.8	000.8500	0404.0	008.6	83.80
175.0	000.3266	0665.9	036.6	249.5	000.8500	0404.1	009.2	82.79
176.0	000.3420	0659.5	036.8	249.3	000.8500	0404.1	009.9	81.78
177.0	000.3581	0652.3	037.0	249.4	000.8500	0404.1	010.6	80.78
178.0	000.3750	0645.9	037.2	249.4	000.8500	0404.1	011.3	79.79
179.0	000.3926	0640.0	037.4	249.4	000.8500	0404.1	012.0	78.81
180.0	000.4112	0634.1	037.6	249.4	000.8500	0404.1	012.6	77.85
181.0	000.4305	0628.1	037.9	249.6	000.8500	0404.0	013.3	76.92
182.0	000.4508	0622.8	038.1	249.7	000.8500	0404.0	014.0	76.01
183.0	000.4721	0619.7	038.4	249.6	000.8500	0404.0	014.8	75.12
184.0	000.4943	0615.9	038.7	249.6	000.8500	0404.0	015.5	74.53
185.0	000.5176	0611.5	039.0	249.8	000.8500	0404.0	016.2	73.93
186.0	000.5420	0604.8	039.2	250.2	000.8500	0404.0	016.9	73.36
187.0	000.5675	0595.2	039.3	250.9	000.8500	0404.0	017.6	72.82

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
188.0	000.5943	0584.2	039.3	251.8	000.8500	0404.0	018.2	72.31
189.0	000.6223	0575.0	039.4	252.5	000.8500	0404.0	018.9	71.79
190.0	000.6516	0571.8	039.7	252.6	000.8500	0404.0	019.6	71.19
191.0	000.6823	0574.0	040.2	252.3	000.8500	0404.0	020.5	70.53
192.0	000.7145	0576.7	040.7	252.1	000.8500	0404.0	021.3	69.86
193.0	000.7482	0577.7	041.1	252.0	000.8500	0404.0	022.2	69.22
194.0	000.7834	0576.8	041.5	252.1	000.8500	0404.0	023.0	68.62
195.0	000.8204	0576.0	041.9	252.3	000.8500	0404.0	023.8	68.02
196.0	000.8590	0575.9	042.3	252.4	000.8500	0404.0	024.7	67.42
197.0	000.8995	0576.5	042.7	252.5	000.8500	0404.0	025.5	66.82
198.0	000.9419	0577.1	043.2	252.7	000.8500	0404.0	026.4	66.24
199.0	000.9863	0577.8	043.6	252.8	000.8500	0404.0	027.3	65.67
200.0	001.0000	0579.5	043.8	253.5	000.8500	0404.0	028.0	65.21
201.0	001.0000	0582.8	044.0	254.2	000.8500	0404.0	028.7	64.79
202.0	001.0000	0588.8	044.2	254.7	000.8500	0404.0	029.4	64.35
203.0	001.0000	0597.0	044.5	255.2	000.8500	0404.0	030.2	63.90
204.0	001.0000	0605.8	044.8	255.6	000.8500	0404.0	031.0	63.46
205.0	001.0000	0612.4	045.0	256.2	000.8500	0404.0	031.8	63.08
206.0	001.0000	0614.6	045.1	257.0	000.8500	0403.9	032.5	62.75
207.0	001.0000	0612.2	045.0	258.0	000.8500	0403.9	033.0	62.48
208.0	001.0000	0606.3	044.8	259.1	000.8500	0403.8	033.5	62.25
209.0	001.0000	0600.2	044.6	260.2	000.8500	0403.7	034.0	62.03
210.0	001.0000	0598.5	044.5	261.1	000.8500	0403.6	034.5	61.76
211.0	001.0000	0602.8	044.7	261.7	000.8500	0403.5	035.2	61.43
212.0	001.0000	0610.6	045.0	262.2	000.8500	0403.5	036.0	61.06
213.0	001.0000	0618.9	045.3	262.6	000.8500	0403.4	036.8	60.70
214.0	001.0000	0627.1	045.6	263.1	000.8500	0403.4	037.6	60.34
215.0	001.0000	0635.4	045.9	263.6	000.8500	0403.3	038.4	59.97
216.0	001.0000	0644.5	046.2	264.0	000.8500	0403.3	039.2	59.61
217.0	001.0000	0654.6	046.6	264.4	000.8500	0403.3	040.1	59.24
218.0	001.0000	0664.9	046.9	264.8	000.8500	0403.2	040.9	58.87
219.0	001.0000	0674.6	047.3	265.3	000.8500	0403.2	041.7	58.52
220.0	001.0000	0683.4	047.6	265.8	000.8500	0403.2	042.5	58.18

03-31-2006 30 Arc-Sec. Sec. Terrain Data

KCRU BLED20040422ABU  
 Channel = 206A  
 Max ERP = 0.85 kW  
 RCAMSL = 405 M  
 N. Lat = 34 06 47  
 W. Lng = 119 03 34  
 Protected  
 60 dBu

KLFH  
 Channel = 208B1  
 Max ERP = 1 kW  
 RCAMSL = 885 M  
 N. Lat = 34 24 45  
 W. Lng = 119 11 16  
 Interfering  
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
281.0	000.8500	0402.0	034.8	220.0	001.0000	0683.4	034.7	67.60
282.0	000.8500	0402.1	034.8	220.5	001.0000	0683.4	034.2	67.85
283.0	000.8500	0402.1	034.8	221.0	001.0000	0691.0	033.7	68.20
284.0	000.8500	0402.1	034.8	221.5	001.0000	0691.0	033.1	68.45
285.0	000.8500	0402.1	034.8	221.9	001.0000	0696.9	032.6	68.78
286.0	000.8500	0402.1	034.8	222.4	001.0000	0696.9	032.0	69.03
287.0	000.8500	0402.1	034.8	222.9	001.0000	0700.5	031.5	69.34
288.0	000.8500	0402.1	034.8	223.4	001.0000	0700.5	030.9	69.61
289.0	000.8500	0402.0	034.8	223.9	001.0000	0700.8	030.4	69.90
290.0	000.8500	0402.0	034.8	224.4	001.0000	0700.8	029.8	70.19
291.0	000.8500	0401.9	034.8	224.8	001.0000	0697.5	029.3	70.44
292.0	000.8500	0401.8	034.8	225.3	001.0000	0697.5	028.7	70.75
293.0	000.8500	0401.8	034.8	225.8	001.0000	0691.8	028.2	70.99
294.0	000.8500	0401.7	034.8	226.3	001.0000	0691.8	027.6	71.32
295.0	000.8500	0401.6	034.8	226.7	001.0000	0685.5	027.0	71.57
296.0	000.8500	0401.5	034.8	227.2	001.0000	0685.5	026.5	71.91
297.0	000.8500	0401.4	034.8	227.7	001.0000	0679.2	025.9	72.18
298.0	000.8500	0401.3	034.8	228.1	001.0000	0679.2	025.3	72.53
299.0	000.8500	0401.2	034.8	228.6	001.0000	0673.2	024.8	72.82
300.0	000.8500	0401.1	034.8	229.1	001.0000	0673.2	024.2	73.19
301.0	000.8500	0401.0	034.8	229.5	001.0000	0667.5	023.6	73.50
302.0	000.8500	0400.9	034.8	230.0	001.0000	0667.5	023.0	73.89
303.0	000.8500	0400.8	034.8	230.4	001.0000	0667.5	022.5	74.29
304.0	000.8500	0400.6	034.7	230.9	001.0000	0661.6	021.9	74.61
305.0	000.8500	0400.5	034.7	231.3	001.0000	0661.6	021.3	75.02
306.0	000.8500	0400.4	034.7	231.8	001.0000	0654.8	020.7	75.35
307.0	000.8500	0400.2	034.7	232.2	001.0000	0654.8	020.1	75.77
308.0	000.8500	0400.0	034.7	232.6	001.0000	0646.0	019.5	76.08
309.0	000.8500	0399.8	034.7	233.1	001.0000	0646.0	019.0	76.52
310.0	000.8500	0399.5	034.7	233.5	001.0000	0646.0	018.4	76.96
311.0	000.8500	0399.1	034.7	233.9	001.0000	0635.6	017.8	77.27
312.0	000.8500	0398.7	034.7	234.3	001.0000	0635.6	017.2	77.72
313.0	000.8500	0398.1	034.6	234.6	001.0000	0625.0	016.6	78.03
314.0	000.8500	0397.5	034.6	234.9	001.0000	0625.0	016.0	78.50

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
315.0	000.8500	0396.9	034.6	235.3	001.0000	0625.0	015.4	78.96
316.0	000.8500	0396.3	034.6	235.6	001.0000	0615.4	014.8	79.13
317.0	000.8500	0395.6	034.5	235.9	001.0000	0615.4	014.2	79.70
318.0	000.8500	0394.7	034.5	236.1	001.0000	0615.4	013.6	80.28
319.0	000.8500	0393.8	034.5	236.3	001.0000	0615.4	013.0	80.89
320.0	000.8500	0393.1	034.5	236.5	001.0000	0615.4	012.4	81.52
321.0	000.8500	0392.6	034.4	236.7	001.0000	0605.5	011.8	82.08
322.0	000.8500	0392.1	034.4	236.9	001.0000	0605.5	011.2	82.76
323.0	000.8500	0391.7	034.4	237.1	001.0000	0605.5	010.6	83.46
324.0	000.8500	0391.2	034.4	237.2	001.0000	0605.5	010.0	84.18
325.0	000.8500	0390.5	034.3	237.2	001.0000	0605.5	009.4	84.93
326.0	000.8500	0389.7	034.3	237.1	001.0000	0605.5	008.8	85.70
327.0	000.8500	0389.0	034.3	236.9	001.0000	0605.5	008.2	86.49
328.0	000.8500	0388.3	034.3	236.7	001.0000	0605.5	007.6	87.32
329.0	000.8500	0387.8	034.2	236.4	001.0000	0615.4	007.0	88.29
330.0	000.8500	0387.4	034.2	236.0	001.0000	0615.4	006.4	89.27
331.0	000.8316	0387.0	034.0	233.7	001.0000	0635.6	005.8	90.35
332.0	000.8133	0386.4	033.8	230.7	001.0000	0661.6	005.3	91.46
333.0	000.7953	0385.6	033.6	226.8	001.0000	0685.5	004.8	92.50
334.0	000.7775	0384.5	033.4	221.7	001.0000	0696.9	004.3	93.52
335.0	000.7599	0383.4	033.2	215.3	001.0000	0635.4	003.8	94.46
336.0	000.7425	0382.4	033.0	207.4	001.0000	0612.2	003.5	95.36
337.0	000.7252	0381.3	032.8	197.9	000.9385	0577.1	003.2	95.76
338.0	000.7082	0380.3	032.5	187.1	000.5702	0595.2	003.1	94.04
339.0	000.6914	0379.2	032.3	175.8	000.3386	0659.5	003.1	91.86
340.0	000.6748	0378.0	032.1	164.9	000.2055	0717.8	003.2	89.35
341.0	000.6536	0376.5	031.8	155.5	000.1842	0725.3	003.5	88.03
342.0	000.6328	0374.9	031.4	148.0	000.1922	0710.1	003.9	87.18
343.0	000.6122	0373.1	031.1	142.1	000.1984	0698.6	004.4	86.23
344.0	000.5921	0371.2	030.8	137.7	000.2001	0674.0	004.9	85.20
345.0	000.5722	0369.0	030.4	134.3	000.1992	0673.1	005.5	84.11
346.0	000.5527	0366.7	030.1	131.7	000.1985	0667.2	006.0	83.01
347.0	000.5336	0364.7	029.8	129.7	000.1977	0665.0	006.6	82.00
348.0	000.5148	0363.3	029.4	128.0	000.1961	0667.8	007.2	81.07
349.0	000.4963	0362.5	029.1	126.5	000.1946	0669.9	007.8	80.23
350.0	000.4781	0362.0	028.9	125.3	000.1935	0671.1	008.3	79.47
351.0	000.4781	0361.5	028.8	123.0	000.1913	0670.9	008.7	78.94
352.0	000.4781	0360.4	028.8	121.2	000.1895	0672.0	009.1	78.40
353.0	000.4781	0358.4	028.7	119.7	000.1895	0671.8	009.5	77.86
354.0	000.4781	0356.2	028.6	118.4	000.1952	0667.0	010.0	77.43
355.0	000.4781	0354.5	028.6	117.2	000.2030	0663.0	010.5	77.06
356.0	000.4781	0353.0	028.5	116.1	000.2110	0658.8	010.9	76.69
357.0	000.4781	0351.4	028.4	115.1	000.2180	0654.5	011.4	76.30
358.0	000.4781	0349.9	028.4	114.3	000.2250	0651.1	011.9	75.91
359.0	000.4781	0348.1	028.3	113.6	000.2306	0651.1	012.3	75.52
000.0	000.4781	0346.4	028.2	113.0	000.2354	0648.6	012.8	75.10
001.0	000.4781	0346.0	028.2	112.2	000.2426	0645.6	013.3	74.75
002.0	000.4781	0346.4	028.2	111.4	000.2506	0641.6	013.7	74.41
003.0	000.4781	0346.9	028.2	110.7	000.2585	0641.6	014.2	74.11
004.0	000.4781	0347.3	028.3	110.1	000.2662	0636.6	014.7	73.76
005.0	000.4781	0347.4	028.3	109.6	000.2733	0636.6	015.1	73.68

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
006.0	000.4781	0347.5	028.3	109.1	000.2798	0630.9	015.6	73.33
007.0	000.4781	0348.3	028.3	108.6	000.2869	0630.9	016.1	73.08
008.0	000.4781	0349.2	028.3	108.1	000.2936	0624.8	016.6	72.72
009.0	000.4781	0350.0	028.4	107.8	000.2993	0624.8	017.0	72.43
010.0	000.4781	0349.8	028.4	107.6	000.3023	0624.8	017.5	72.10
011.0	000.4838	0349.5	028.4	107.1	000.3084	0617.9	018.0	71.72
012.0	000.4894	0349.6	028.5	106.7	000.3145	0617.9	018.5	71.44
013.0	000.4951	0350.5	028.6	106.3	000.3215	0610.3	019.0	71.05
014.0	000.5008	0350.9	028.7	105.9	000.3269	0610.3	019.5	70.75
015.0	000.5066	0350.9	028.8	105.6	000.3310	0610.3	020.0	70.43
016.0	000.5124	0350.5	028.9	105.5	000.3338	0600.3	020.5	69.93
017.0	000.5182	0350.2	028.9	105.3	000.3361	0600.3	021.0	69.59
018.0	000.5241	0349.6	029.0	105.2	000.3375	0600.3	021.5	69.24
019.0	000.5299	0348.4	029.0	105.2	000.3374	0600.3	022.0	68.87
020.0	000.5359	0346.6	029.0	105.3	000.3359	0600.3	022.5	68.49
021.0	000.5359	0344.6	028.9	105.7	000.3308	0610.3	023.0	68.24
022.0	000.5359	0342.8	028.8	106.0	000.3259	0610.3	023.5	67.84
023.0	000.5359	0341.5	028.8	106.2	000.3217	0610.3	024.0	67.44
024.0	000.5359	0340.3	028.7	106.5	000.3178	0617.9	024.5	67.19
025.0	000.5359	0339.1	028.7	106.8	000.3135	0617.9	025.0	66.80
026.0	000.5359	0337.2	028.6	107.1	000.3082	0617.9	025.5	66.42
027.0	000.5359	0335.0	028.5	107.5	000.3023	0624.8	025.9	66.14
028.0	000.5359	0332.3	028.4	108.0	000.2959	0624.8	026.4	65.75
029.0	000.5359	0328.8	028.2	108.5	000.2885	0624.8	026.9	65.36
030.0	000.5359	0324.7	028.0	109.1	000.2803	0630.9	027.3	65.06
031.0	000.5243	0319.0	027.7	110.1	000.2665	0636.6	027.7	64.70
032.0	000.5129	0310.2	027.1	111.3	000.2520	0641.6	028.1	64.31
033.0	000.5016	0298.1	026.5	112.8	000.2373	0648.6	028.4	63.97
034.0	000.4904	0284.9	025.8	114.3	000.2247	0651.1	028.8	63.58
035.0	000.4794	0272.8	025.1	115.8	000.2134	0658.8	029.1	63.29
036.0	000.4685	0260.8	024.5	117.2	000.2032	0663.0	029.4	62.96
037.0	000.4577	0246.8	023.7	118.7	000.1934	0670.0	029.7	62.69
038.0	000.4470	0230.5	022.8	120.5	000.1888	0671.8	030.0	62.46
039.0	000.4365	0214.2	021.9	122.3	000.1906	0671.4	030.3	62.35
040.0	000.4261	0200.6	021.2	123.9	000.1921	0671.0	030.6	62.23
041.0	000.4169	0189.6	020.5	125.1	000.1933	0671.1	030.9	62.11

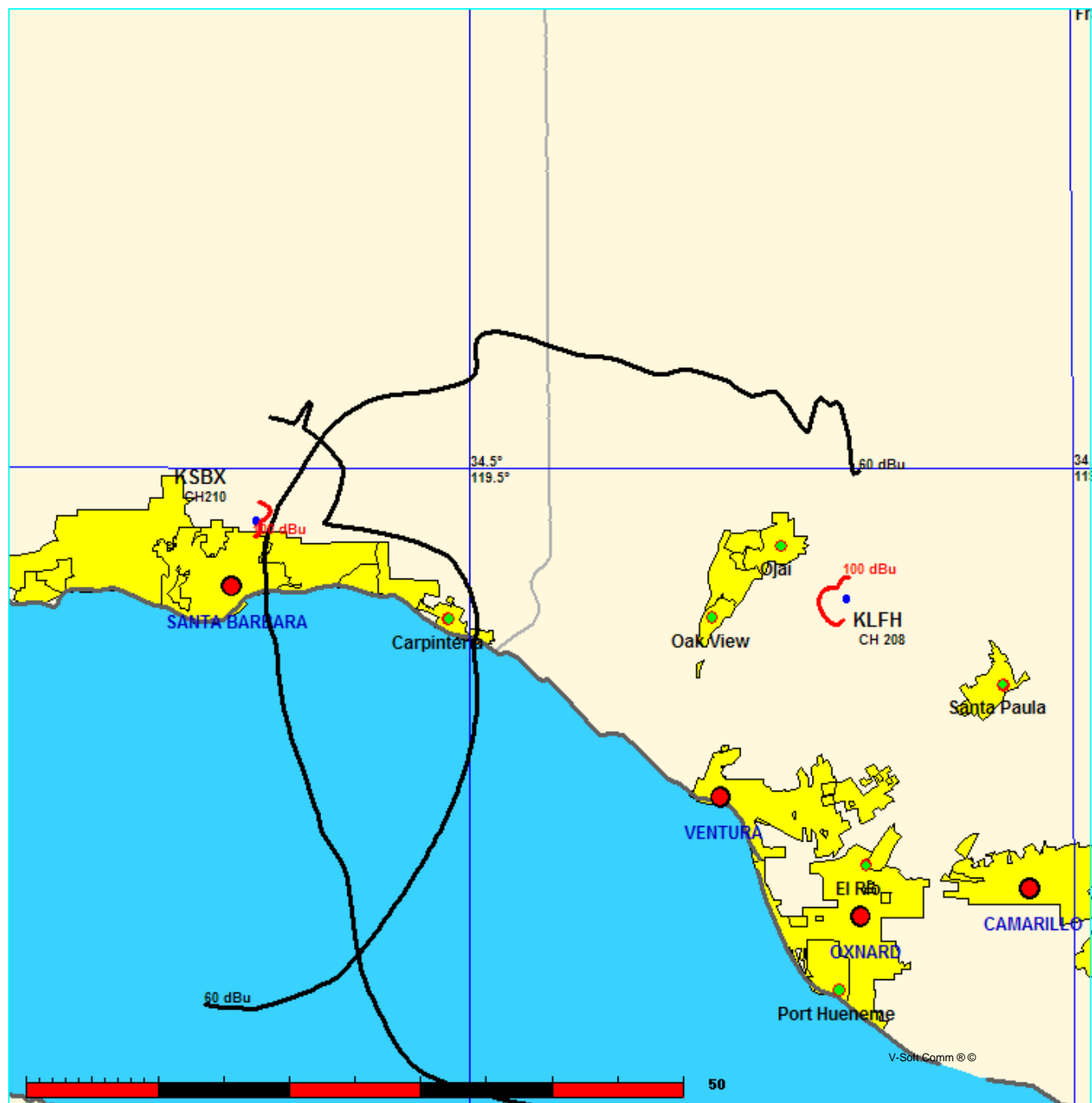
KCBX, Inc.  
As Proposed - Moved to CH 210 @ 0.35 kW DA

FMCommander Allocation Study  
03-31-2006

KLFH CH 208 B1  
1.0 kW 885 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

KSBX CH 210 A BLED20030807AGF  
0.35 kW, 661 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu

Scale = 1:750,000





03-31-2006

30 Arc-Sec. Terrain Data

FMOver Analysis

KLFH

Channel = 208B1

Max ERP = 1 kW

RCAMSL = 885 M

N. Lat = 34 24 45

W. Lng = 119 11 16

Protected

60 dBu

KSBX BLED20030807AGF

Channel = 210A

Max ERP = 0.35 kW

RCAMSL = 661 M

N. Lat = 34 27 57

W. Lng = 119 40 37

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
218.0	001.0000	0664.9	046.9	159.5	000.1795	0642.7	045.8	54.82
219.0	001.0000	0674.6	047.3	160.3	000.1865	0643.2	045.3	55.19
220.0	001.0000	0683.4	047.6	161.2	000.1942	0643.7	044.8	55.59
221.0	001.0000	0691.0	047.8	162.0	000.2018	0644.1	044.2	55.99
222.0	001.0000	0696.9	048.0	162.8	000.2093	0644.6	043.6	56.40
223.0	001.0000	0700.5	048.1	163.5	000.2162	0644.6	042.9	56.81
224.0	001.0000	0700.8	048.2	164.1	000.2221	0645.2	042.2	57.23
225.0	001.0000	0697.5	048.0	164.5	000.2266	0645.7	041.4	57.66
226.0	001.0000	0691.8	047.8	164.9	000.2302	0645.7	040.6	58.07
227.0	001.0000	0685.5	047.6	165.2	000.2334	0645.7	039.7	58.49
228.0	001.0000	0679.2	047.4	165.4	000.2365	0645.7	038.9	58.91
229.0	001.0000	0673.2	047.2	165.7	000.2396	0646.3	038.1	59.34
230.0	001.0000	0667.5	047.0	166.0	000.2427	0646.3	037.2	59.77
231.0	001.0000	0661.6	046.8	166.3	000.2457	0646.3	036.4	60.19
232.0	001.0000	0654.8	046.6	166.5	000.2480	0646.3	035.6	60.61
233.0	001.0000	0646.0	046.2	166.6	000.2489	0646.9	034.7	61.03
234.0	001.0000	0635.6	045.9	166.5	000.2484	0646.9	033.8	61.43
235.0	001.0000	0625.0	045.5	166.4	000.2475	0646.3	032.9	61.81
236.0	001.0000	0615.4	045.2	166.4	000.2467	0646.3	032.1	62.20
237.0	001.0000	0605.5	044.8	166.2	000.2453	0646.3	031.2	62.59
238.0	001.0000	0594.8	044.4	166.0	000.2427	0646.3	030.4	62.99
239.0	001.0000	0584.5	044.0	165.8	000.2399	0646.3	029.5	63.39
240.0	001.0000	0576.3	043.7	165.6	000.2380	0646.3	028.7	63.81
241.0	001.0000	0570.4	043.5	165.5	000.2374	0646.3	027.9	64.26
242.0	001.0000	0566.1	043.3	165.6	000.2378	0646.3	027.1	64.73
243.0	001.0000	0564.9	043.3	165.8	000.2407	0646.3	026.4	65.24
244.0	001.0000	0567.5	043.4	166.4	000.2474	0646.3	025.6	65.81
245.0	001.0000	0571.6	043.5	167.2	000.2558	0646.9	024.9	66.42
246.0	001.0000	0573.4	043.6	167.7	000.2623	0647.4	024.2	67.01
247.0	001.0000	0571.7	043.5	167.9	000.2646	0647.4	023.4	67.56
248.0	001.0000	0568.4	043.4	167.9	000.2649	0647.4	022.7	68.09
249.0	001.0000	0567.2	043.3	168.1	000.2673	0647.4	021.9	68.66
250.0	001.0000	0566.4	043.3	168.3	000.2701	0647.4	021.2	69.24
251.0	001.0000	0566.0	043.3	168.6	000.2732	0648.0	020.4	69.84
252.0	001.0000	0565.4	043.3	168.8	000.2758	0648.0	019.7	70.43
253.0	001.0000	0566.6	043.3	169.2	000.2809	0648.0	018.9	71.06
254.0	001.0000	0568.0	043.4	169.6	000.2864	0648.6	018.2	71.71

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
255.0	001.0000	0569.7	043.4	170.0	000.2919	0648.6	017.4	72.36
256.0	001.0000	0571.7	043.5	170.5	000.2946	0649.2	016.7	72.98
257.0	001.0000	0572.6	043.6	170.9	000.2964	0649.2	015.9	73.58
258.0	001.0000	0573.0	043.6	171.1	000.2977	0649.2	015.2	74.19
259.0	001.0000	0573.8	043.6	171.3	000.2992	0649.2	014.4	74.63
260.0	001.0000	0575.0	043.7	171.7	000.3009	0649.7	013.6	75.37
261.0	000.9916	0576.6	043.6	171.7	000.3010	0649.7	012.9	76.11
262.0	000.9833	0578.2	043.6	171.6	000.3007	0649.7	012.1	76.88
263.0	000.9750	0579.6	043.6	171.4	000.2997	0649.2	011.4	77.67
264.0	000.9667	0580.3	043.5	171.0	000.2974	0649.2	010.6	78.48
265.0	000.9584	0581.4	043.5	170.5	000.2946	0649.2	009.8	79.31
266.0	000.9502	0587.3	043.7	171.0	000.2974	0649.2	009.1	80.28
267.0	000.9421	0594.8	043.8	171.9	000.3022	0649.7	008.3	81.34
268.0	000.9339	0602.9	044.1	172.9	000.3082	0650.3	007.5	82.50
269.0	000.9258	0607.2	044.1	172.9	000.3081	0650.3	006.7	83.71
270.0	000.9178	0610.2	044.2	172.3	000.3048	0649.7	006.0	84.97
271.0	000.9084	0613.2	044.2	171.2	000.2986	0649.2	005.2	86.31
272.0	000.8991	0616.3	044.2	169.7	000.2873	0648.6	004.4	87.65
273.0	000.8898	0622.1	044.3	168.7	000.2745	0648.0	003.7	89.30
274.0	000.8806	0628.3	044.4	167.1	000.2547	0646.9	002.9	91.21
275.0	000.8714	0631.9	044.4	161.6	000.1986	0644.1	002.2	92.97
276.0	000.8623	0630.9	044.3	145.5	000.0945	0639.6	001.6	92.42
277.0	000.8532	0629.0	044.1	115.4	000.0317	0561.1	001.3	89.93
278.0	000.8442	0627.3	044.0	081.6	000.1285	-0105.6	001.4	95.03
279.0	000.8352	0625.1	043.8	060.8	000.3352	-0100.8	001.9	84.27
280.0	000.8263	0620.5	043.5	051.3	000.3500	-0021.9	002.6	78.68
281.0	000.8141	0615.4	043.2	047.0	000.3500	-0045.6	003.4	73.94
282.0	000.8021	0609.4	042.9	044.8	000.3500	-0063.5	004.2	70.19
283.0	000.7901	0605.6	042.6	042.9	000.3500	-0076.5	005.0	67.40
284.0	000.7783	0603.6	042.4	041.0	000.3500	-0083.4	005.8	65.03
285.0	000.7665	0601.2	042.2	039.9	000.3500	-0082.1	006.5	62.89
286.0	000.7548	0598.3	041.9	039.2	000.3500	-0073.2	007.3	60.96
287.0	000.7432	0594.1	041.6	039.1	000.3500	-0073.2	008.1	59.26
288.0	000.7317	0589.0	041.3	039.3	000.3500	-0073.2	008.9	57.76
289.0	000.7203	0583.3	041.0	039.6	000.3500	-0082.1	009.7	56.31
290.0	000.7090	0576.3	040.6	040.3	000.3500	-0082.1	010.5	54.91
291.0	000.6842	0569.4	040.0	041.8	000.3500	-0080.5	011.3	53.49
292.0	000.6600	0561.2	039.4	043.5	000.3500	-0076.5	012.2	52.13
293.0	000.6361	0550.4	038.6	045.4	000.3500	-0063.5	013.1	50.82
294.0	000.6127	0535.2	037.7	048.0	000.3500	-0039.0	014.1	49.51
295.0	000.5897	0517.6	036.6	050.8	000.3500	-0021.9	015.2	48.33
296.0	000.5672	0500.4	035.5	053.2	000.3500	-0017.0	016.2	47.44
297.0	000.5451	0487.8	034.7	054.8	000.3500	-0029.9	017.1	46.64
298.0	000.5234	0478.7	034.0	055.9	000.3500	-0038.0	018.0	45.93
299.0	000.5022	0472.4	033.4	056.7	000.3500	-0046.7	018.8	45.27
300.0	000.4815	0470.8	033.0	057.0	000.3500	-0046.7	019.5	44.70
301.0	000.4598	0478.3	032.9	056.5	000.3500	-0038.0	020.0	44.26
302.0	000.4391	0494.6	033.2	055.1	000.3500	-0029.9	020.4	43.94
303.0	000.4193	0516.0	033.6	053.2	000.3500	-0017.0	020.8	43.66
304.0	000.4005	0536.6	034.1	051.5	000.3500	-0021.9	021.2	43.35
305.0	000.3824	0549.8	034.2	050.7	000.3500	-0021.9	021.7	42.94

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
306.0	000.3652	0553.0	034.0	051.0	000.3500	-0021.9	022.4	42.45
307.0	000.3488	0546.1	033.3	052.1	000.3500	-0017.4	023.1	41.91
308.0	000.3331	0529.6	032.3	054.2	000.3500	-0021.9	024.0	41.32
309.0	000.3181	0504.7	030.9	056.8	000.3500	-0046.7	024.9	40.68
310.0	000.3038	0475.9	029.6	059.4	000.3489	-0073.4	025.8	40.05
311.0	000.2901	0449.4	028.3	061.5	000.3238	-0110.2	026.7	39.16
312.0	000.2770	0429.9	027.4	063.0	000.3026	-0117.6	027.5	38.39
313.0	000.2646	0417.6	026.7	063.9	000.2896	-0124.6	028.2	37.81
314.0	000.2527	0407.0	026.1	064.7	000.2791	-0129.9	028.8	37.29
315.0	000.2413	0395.1	025.5	065.6	000.2683	-0131.6	029.5	36.79
316.0	000.2304	0380.6	024.8	066.6	000.2566	-0128.5	030.2	36.27
317.0	000.2201	0363.2	024.0	067.7	000.2436	-0120.4	030.8	35.72
318.0	000.2102	0344.2	023.1	068.9	000.2305	-0106.5	031.5	35.18
319.0	000.2007	0325.6	022.3	070.1	000.2186	-0092.6	032.2	34.68
320.0	000.2102	0309.1	022.0	070.3	000.2159	-0092.6	032.7	34.45
321.0	000.2179	0296.6	021.7	070.5	000.2141	-0081.2	033.1	34.24
322.0	000.2258	0287.7	021.6	070.5	000.2140	-0081.2	033.5	34.09
323.0	000.2338	0279.1	021.4	070.5	000.2139	-0081.2	033.9	33.93
324.0	000.2419	0268.6	021.2	070.7	000.2124	-0081.2	034.3	33.75
325.0	000.2502	0256.4	020.9	071.0	000.2095	-0081.2	034.8	33.53
326.0	000.2586	0244.0	020.6	071.3	000.2061	-0081.2	035.2	33.30
327.0	000.2672	0230.6	020.2	071.8	000.2017	-0073.0	035.7	33.04
328.0	000.2759	0216.7	019.8	072.4	000.1966	-0073.0	036.1	32.77
329.0	000.2848	0204.4	019.4	072.8	000.1923	-0069.5	036.5	32.52
330.0	000.2938	0194.2	019.0	073.2	000.1892	-0069.5	036.9	32.31
331.0	000.2993	0183.0	018.6	073.7	000.1846	-0068.0	037.4	32.06
332.0	000.3049	0169.7	018.0	074.5	000.1781	-0068.0	037.8	31.76
333.0	000.3106	0157.8	017.4	075.3	000.1716	-0066.1	038.2	31.45
334.0	000.3163	0150.4	017.0	075.8	000.1679	-0064.9	038.6	31.23
335.0	000.3221	0146.2	016.8	076.0	000.1664	-0064.9	038.9	31.08
336.0	000.3279	0143.4	016.7	076.1	000.1658	-0064.9	039.3	30.96
337.0	000.3337	0141.6	016.7	076.0	000.1659	-0064.9	039.5	30.87
338.0	000.3397	0139.9	016.6	076.0	000.1661	-0064.9	039.8	30.78

03-31-2006 30 Arc-Sec. Sec. Terrain Data

KSBX BLED20030807AGF  
 Channel = 210A  
 Max ERP = 0.35 kW  
 RCAMSL = 661 M  
 N. Lat = 34 27 57  
 W. Lng = 119 40 37  
 Protected  
 60 dBu

KLFH  
 Channel = 208B1  
 Max ERP = 1 kW  
 RCAMSL = 885 M  
 N. Lat = 34 24 45  
 W. Lng = 119 11 16  
 Interfering  
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
037.0	000.3500	-0049.8	007.7	286.9	000.7445	0594.1	042.1	61.76
038.0	000.3500	-0060.9	007.7	286.8	000.7452	0594.1	041.9	61.81
039.0	000.3500	-0073.2	007.7	286.8	000.7460	0594.1	041.8	61.87
040.0	000.3500	-0082.1	007.7	286.7	000.7469	0594.1	041.7	61.92
041.0	000.3500	-0083.4	007.7	286.6	000.7478	0594.1	041.6	61.98
042.0	000.3500	-0080.5	007.7	286.5	000.7487	0594.1	041.4	62.03
043.0	000.3500	-0076.5	007.7	286.4	000.7496	0598.3	041.3	62.15
044.0	000.3500	-0071.3	007.7	286.4	000.7507	0598.3	041.2	62.21
045.0	000.3500	-0063.5	007.7	286.3	000.7517	0598.3	041.1	62.26
046.0	000.3500	-0054.1	007.7	286.2	000.7528	0598.3	041.0	62.32
047.0	000.3500	-0045.6	007.7	286.1	000.7539	0598.3	040.9	62.37
048.0	000.3500	-0039.0	007.7	286.0	000.7551	0598.3	040.7	62.42
049.0	000.3500	-0033.5	007.7	285.9	000.7563	0598.3	040.6	62.48
050.0	000.3500	-0027.8	007.7	285.8	000.7575	0598.3	040.5	62.53
051.0	000.3500	-0021.9	007.7	285.7	000.7588	0598.3	040.4	62.58
052.0	000.3500	-0017.4	007.7	285.5	000.7601	0598.3	040.3	62.64
053.0	000.3500	-0017.0	007.7	285.4	000.7615	0601.2	040.2	62.74
054.0	000.3500	-0021.9	007.7	285.3	000.7629	0601.2	040.1	62.79
055.0	000.3500	-0029.9	007.7	285.2	000.7644	0601.2	040.0	62.84
056.0	000.3500	-0038.0	007.7	285.1	000.7658	0601.2	039.9	62.89
057.0	000.3500	-0046.7	007.7	284.9	000.7674	0601.2	039.8	62.94
058.0	000.3500	-0058.7	007.7	284.8	000.7689	0601.2	039.7	62.99
059.0	000.3500	-0073.4	007.7	284.7	000.7705	0601.2	039.6	63.04
060.0	000.3473	-0088.2	007.7	284.5	000.7723	0601.2	039.5	63.09
061.0	000.3316	-0100.8	007.6	284.3	000.7751	0603.6	039.5	63.15
062.0	000.3167	-0110.2	007.5	284.0	000.7779	0603.6	039.5	63.18
063.0	000.3025	-0117.6	007.4	283.8	000.7806	0603.6	039.4	63.20
064.0	000.2888	-0124.6	007.4	283.6	000.7832	0603.6	039.4	63.22
065.0	000.2758	-0129.9	007.3	283.4	000.7858	0605.6	039.4	63.28
066.0	000.2634	-0131.6	007.2	283.1	000.7885	0605.6	039.4	63.29
067.0	000.2516	-0128.5	007.1	282.9	000.7911	0605.6	039.4	63.31
068.0	000.2403	-0120.4	007.0	282.7	000.7937	0605.6	039.4	63.33
069.0	000.2294	-0106.5	006.9	282.5	000.7962	0609.4	039.4	63.41
070.0	000.2191	-0092.6	006.9	282.3	000.7987	0609.4	039.4	63.42

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
071.0	000.2093	-0081.2	006.8	282.1	000.8012	0609.4	039.4	63.43
072.0	000.1998	-0073.0	006.7	281.9	000.8037	0609.4	039.4	63.44
073.0	000.1908	-0069.5	006.6	281.7	000.8061	0609.4	039.4	63.45
074.0	000.1823	-0068.0	006.5	281.5	000.8085	0615.4	039.4	63.55
075.0	000.1740	-0066.1	006.5	281.3	000.8109	0615.4	039.4	63.56
076.0	000.1662	-0064.9	006.4	281.1	000.8133	0615.4	039.5	63.56
077.0	000.1587	-0065.1	006.3	280.9	000.8156	0615.4	039.5	63.57
078.0	000.1516	-0068.5	006.3	280.7	000.8179	0615.4	039.5	63.57
079.0	000.1448	-0072.3	006.2	280.5	000.8201	0615.4	039.5	63.57
080.0	000.1383	-0080.7	006.1	280.3	000.8223	0620.5	039.6	63.65
081.0	000.1320	-0091.2	006.0	280.1	000.8245	0620.5	039.6	63.65
082.0	000.1261	-0105.6	006.0	280.0	000.8266	0620.5	039.6	63.64
083.0	000.1204	-0128.9	005.9	279.8	000.8281	0620.5	039.7	63.64
084.0	000.1150	-0154.8	005.8	279.6	000.8296	0620.5	039.7	63.63
085.0	000.1098	-0179.5	005.8	279.5	000.8311	0625.1	039.7	63.69
086.0	000.1049	-0198.7	005.7	279.3	000.8326	0625.1	039.8	63.69
087.0	000.1002	-0203.9	005.6	279.1	000.8340	0625.1	039.8	63.67
088.0	000.0956	-0207.9	005.6	279.0	000.8354	0625.1	039.9	63.66
089.0	000.0913	-0211.3	005.5	278.8	000.8368	0625.1	039.9	63.65
090.0	000.0872	-0184.6	005.4	278.7	000.8381	0625.1	040.0	63.64
091.0	000.0833	-0128.3	005.4	278.5	000.8394	0625.1	040.0	63.62
092.0	000.0796	-0071.9	005.3	278.4	000.8407	0627.3	040.1	63.64
093.0	000.0760	-0015.5	005.3	278.2	000.8420	0627.3	040.1	63.63
094.0	000.0726	0032.3	005.4	278.1	000.8431	0627.3	040.0	63.68
095.0	000.0693	0071.8	007.9	278.2	000.8426	0627.3	037.4	64.78
096.0	000.0662	0109.6	009.8	278.1	000.8437	0627.3	035.6	65.61
097.0	000.0632	0146.5	011.1	277.8	000.8460	0627.3	034.2	66.24
098.0	000.0603	0184.9	012.4	277.4	000.8492	0629.0	033.0	66.88
099.0	000.0576	0224.5	013.4	277.0	000.8533	0629.0	031.9	67.38
100.0	000.0550	0261.8	014.3	276.5	000.8581	0630.9	031.1	67.86
101.0	000.0526	0291.2	015.0	275.9	000.8633	0630.9	030.4	68.21
102.0	000.0502	0315.0	015.4	275.3	000.8687	0631.9	030.0	68.47
103.0	000.0479	0335.0	015.7	274.7	000.8742	0631.9	029.7	68.65
104.0	000.0458	0354.7	016.0	274.1	000.8799	0628.3	029.5	68.74
105.0	000.0437	0377.6	016.3	273.4	000.8859	0622.1	029.2	68.80
106.0	000.0418	0400.1	016.6	272.8	000.8921	0622.1	029.1	68.94
107.0	000.0399	0422.3	016.8	272.1	000.8985	0616.3	028.9	68.96
108.0	000.0381	0445.2	017.1	271.4	000.9050	0613.2	028.7	69.03
109.0	000.0364	0467.5	017.3	270.7	000.9116	0613.2	028.6	69.13
110.0	000.0347	0488.9	017.5	269.9	000.9183	0610.2	028.5	69.17
111.0	000.0341	0506.8	017.8	269.1	000.9248	0607.2	028.3	69.24
112.0	000.0336	0522.3	018.1	268.3	000.9312	0602.9	028.2	69.26
113.0	000.0330	0536.4	018.3	267.6	000.9374	0602.9	028.2	69.32
114.0	000.0324	0549.2	018.5	266.8	000.9435	0594.8	028.2	69.21
115.0	000.0319	0561.1	018.6	266.1	000.9495	0587.3	028.2	69.09
116.0	000.0313	0572.1	018.8	265.4	000.9554	0581.4	028.2	68.98
117.0	000.0308	0582.0	018.9	264.7	000.9610	0581.4	028.3	68.96
118.0	000.0302	0590.6	018.9	264.0	000.9663	0580.3	028.4	68.89
119.0	000.0297	0597.8	019.0	263.4	000.9713	0579.6	028.6	68.81
120.0	000.0292	0603.7	019.0	262.9	000.9758	0579.6	028.8	68.73
121.0	000.0305	0608.4	019.3	262.0	000.9836	0578.2	028.7	68.76

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
122.0	000.0320	0612.3	019.6	261.0	000.9913	0576.6	028.7	68.78
123.0	000.0335	0615.5	019.9	260.1	000.9990	0575.0	028.7	68.77
124.0	000.0351	0618.5	020.2	259.2	001.0000	0573.8	028.7	68.74
125.0	000.0367	0621.3	020.5	258.3	001.0000	0573.0	028.8	68.70
126.0	000.0384	0623.9	020.8	257.4	001.0000	0572.6	028.8	68.65
127.0	000.0403	0626.1	021.1	256.5	001.0000	0571.7	028.9	68.58
128.0	000.0422	0628.2	021.4	255.6	001.0000	0571.7	029.1	68.51
129.0	000.0441	0630.0	021.7	254.7	001.0000	0569.7	029.2	68.40
130.0	000.0462	0631.6	022.0	253.8	001.0000	0568.0	029.3	68.28
131.0	000.0484	0633.0	022.2	252.9	001.0000	0566.6	029.5	68.16
132.0	000.0507	0634.3	022.5	252.1	001.0000	0565.4	029.7	68.04
133.0	000.0531	0635.4	022.8	251.2	001.0000	0566.0	029.9	67.93
134.0	000.0556	0636.3	023.1	250.4	001.0000	0566.4	030.1	67.82
135.0	000.0582	0637.1	023.3	249.6	001.0000	0566.4	030.4	67.69
136.0	000.0609	0637.7	023.6	248.8	001.0000	0567.2	030.7	67.56
137.0	000.0638	0638.3	023.9	248.1	001.0000	0568.4	030.9	67.44
138.0	000.0668	0638.7	024.2	247.3	001.0000	0571.7	031.2	67.35
139.0	000.0700	0639.1	024.4	246.6	001.0000	0571.7	031.6	67.20
140.0	000.0733	0639.3	024.7	245.9	001.0000	0573.4	031.9	67.07
141.0	000.0767	0639.5	025.0	245.2	001.0000	0571.6	032.2	66.88
142.0	000.0803	0639.6	025.3	244.6	001.0000	0571.6	032.6	66.71
143.0	000.0841	0639.6	025.5	243.9	001.0000	0567.5	033.0	66.46
144.0	000.0881	0639.6	025.8	243.3	001.0000	0564.9	033.4	66.23
145.0	000.0922	0639.6	026.1	242.7	001.0000	0564.9	033.8	66.05
146.0	000.0966	0639.6	026.4	242.2	001.0000	0566.1	034.2	65.88
147.0	000.1011	0639.6	026.7	241.6	001.0000	0566.1	034.6	65.69
148.0	000.1059	0639.7	027.0	241.1	001.0000	0570.4	035.1	65.57
149.0	000.1109	0639.7	027.3	240.6	001.0000	0570.4	035.6	65.36
150.0	000.1161	0639.8	027.6	240.1	001.0000	0576.3	036.0	65.26
151.0	000.1216	0640.0	027.9	239.6	001.0000	0576.3	036.5	65.05
152.0	000.1273	0640.2	028.2	239.1	001.0000	0584.5	037.0	64.98
153.0	000.1333	0640.4	028.5	238.7	001.0000	0584.5	037.5	64.75
154.0	000.1396	0640.7	028.8	238.3	001.0000	0594.8	038.1	64.71
155.0	000.1462	0641.1	029.2	237.9	001.0000	0594.8	038.6	64.48
156.0	000.1531	0641.4	029.5	237.5	001.0000	0605.5	039.2	64.43
157.0	000.1603	0641.8	029.9	237.1	001.0000	0605.5	039.7	64.19