

Exhibit #15  
**CONTOUR OVERLAP REQUIREMENTS**

KLSI  
Educational Public Radio, Inc.  
Moss Beach, California

**Allocation Exhibit Index to Studies**

<u>Contents:</u>	<u>Inclusive Pages:</u>
Tabular Channel Study	2
Allocation Narrative	3
KLSI (NEW) v KPDO.C Map	4
KLSI (NEW) v KPDO.C FMOVER Table	5-7
KPDO.C v KLSI (NEW) FMOVER Table	8-10
KLSI (NEW) v KPDO.A Map	11
KLSI (NEW) v KPDO.A FMOVER Table	12-14
KPDO.A v KLSI (NEW) FMOVER Table	15-17
KLSI (NEW) v KPFB Map	18
KLSI (NEW) v KPFB FMOVER Table	19-21
KPFB v KLSI (NEW) FMOVER Table	22-24
KLSI (NEW) v KOHL Map	25
KLSI (NEW) v KOHL FMOVER Tabular	26-28
KOHL v KLSI (NEW) FMOVER Table	29-31
KLSI (NEW) v KPOO Map	32
KLSI (NEW) v KPOO FMOVER Tabular	33-35
KPOO v KLSI (NEW) FMOVER Table	36-38

Educational Public Radio, Inc  
Modify Construction Permit

REFERENCE CH# 207A - 89.3 MHz, Pwr= 0.008 kw, HAAT=498.4 M, COR= 581 M DISPLAY DATES  
37 33 44 N. Average Protected F(50-50)= 11.79 km DATA 12-21-05  
122 28 46 W. Ave. F(50-10) 40 dBu= 42.7 54 dBu= 18.0 80 dBu= 1.9 100 dBu= .2 SEARCH 12-21-05

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
207A Moss Beach	KLSI.C	CP DEX CA	105.6 285.6	0.23 BPED19981006MF	37 33 42 122 28 37	0.008 580	585 46.8	12.5	-53.26*<	-37.94*< Educational Public Radio,
207A Pescadero	KPDO.C	CP CN CA	170.0 350.1	34.46 BPED19971113MB	37 15 23 122 24 43	0.100 27	27 18.6	5.6	9.18	0.67<*** Pescadero Public Radio Ser
207A Pescadero	KPDO.A	APP CX CA	169.6 349.7	34.51 BMPED20051125ABC	37 15 23 122 24 33	0.100 30	30 18.6	5.6	9.19	0.65<*** Pescadero Public Radio Ser
207A Berkeley	KPFB	LIC DHN CA	27.9 208.0	38.98 BLED19910909KB	37 52 20 122 16 18	0.010 70	72 15.5	4.9	15.36	3.85 Pacifica Foundation, Inc.
207A Fremont	KOHL	LIC DEN CA	93.0 273.3	50.94 BLED19930503KA	37 32 14 121 54 14	0.030 299	329 44.1	13.2	0.46	12.06 Fremont-newark Community C
206A Atherton	KCEA	LIC C CA	113.2 293.4	19.72 BLED20010417AAI	37 29 32 122 16 28	0.100 -49	155 8.0	5.6	5.00	3.64 Sequoia Union High School
207A Scotts Valley	AP207	APP DCN CA	151.7 331.9	62.73 BNPED20000214AAA	37 03 53 122 08 37	0.008 28	556 9.6	3.0	45.83	32.07 Csn International
207A San Jose	KMTG	LIC DCX CA	126.1 306.5	67.79 BLED20040803ABX	37 12 06 121 51 42	0.029 83	185 22.9	6.9	38.95	39.81 San Jose Unified School Di
208A San Francisco	KPOO	LIC DHN CA	12.6 192.6	26.19 BLED19800304AC	37 47 33 122 24 52	0.197 88	188 16.6	11.4	1.25<***	2.18 Poor People's Radio, Inc.
208A Moraga	KSMC	LIC DHN CA	46.3 226.5	44.88 BLED19840702CA	37 50 25 122 06 36	0.033 95	205 10.8	7.6	26.48	25.28 Associated Students Of St.
209B1 Los Altos	KFJC	LIC C CA	131.9 312.1	40.18 BMLED19961105KB	37 19 14 122 08 29	0.110 564	820 0.7	25.5	33.42	14.54 Foothill-de Anza Community
206B Santa Rosa	KBBF	LIC CN CA	354.5 174.4	122.03 BLED1118	38 39 23 122 36 54	0.420 931	1241 68.5	46.1	45.24	63.13 Bilingual Broadcasting Fou
207A Lodi	971113	APP CX CA	70.5 251.4	140.73 BPED19971113MD	37 58 27 120 58 08	5.800 75	100 81.6	24.6	52.51	89.32 Educational Media Foundati
207A North Highlands	KQEIFM	LIC DVN CA	34.0 214.7	154.59 BLED19911223KA	38 42 38 121 28 54	2.482 118	122 76.2	25.0	70.36	98.75 Kqed, Inc.
210A Santa Cruz	KFER	LIC CN CA	143.6 323.9	75.72 BLED19920212KB	37 00 45 121 58 25	0.200 -56	174 1.0	6.7	67.64	68.91 Santa Cruz Educ B/cng Foun
205B Sacramento	KXJZ	LIC DCN CA	47.0 227.6	116.64 BLED19950926KB	38 16 25 121 30 11	50.000 152	152 6.0	52.4	103.05	64.09 California State Universit
210B Angwin	KNDL	LIC CN CA	353.9 173.8	123.59 BLED19840711DA	38 40 09 122 37 53	0.800 1016	1341 2.0	53.9	113.20	69.58 Howell Mountain Broadcasti
209A Rio Vista	KRVH.A	APP VN CA	46.0 226.4	95.24 BPED19970612ML	38 09 17 121 41 48	0.200 16	43 1.0	6.7	86.58	88.43 River Delta Unified School
205B Santa Cruz	KUSP	LIC CN CA	146.0 326.5	137.26 BLED19930524KB	36 32 05 121 37 14	1.250 868	1084 2.4	55.1	127.67	82.06 Pataphysical Broadcasting
261A Santa Rosa	KZST	LIC C CA	349.8 169.7	96.61 BLH19991015ABU	38 25 07 122 40 33	6.000 170	255 39.4	36.2	10.0R	86.6M Redwood Empire Stereocaste
06+2C San Louis obispo	KSBY	LI N CA	145.8 326.9	294.02 BMLCT19860228KG	35 21 37 120 39 18	100.000 377	885 4.0	109.4	196.0R	98.0M Ksby Communications, Inc.
06Z2E Sacramento	KVIE	LI HN CA	47.0 227.6	116.30 BLET20030328ANE	38 16 18 121 30 22	100.000 553	553 4.1	124.8	196.0R	-79.7M Kvie, Inc.

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. "<" = contour overlap

\*\* Contour overlap entirely over water.

### 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 interference. 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 overlap interference.

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

The columns labeled "INT" and "PRO" hold 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 omni. 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".

**KLSI(New) v KPDO.C****KLSINew**

Modify BPED19981006MF

Latitude: 37-33-44 N

Longitude: 122-28-46 W

ERP: 0.008 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 581.0 m

HAAT: 498.39 m

Horiz. Pattern: Directional

Vert. Pattern: No

**KPDO.C**

BPED19971113MB

Latitude: 37-15-23 N

Longitude: 122-24-43 W

ERP: 0.10 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 27.0 m

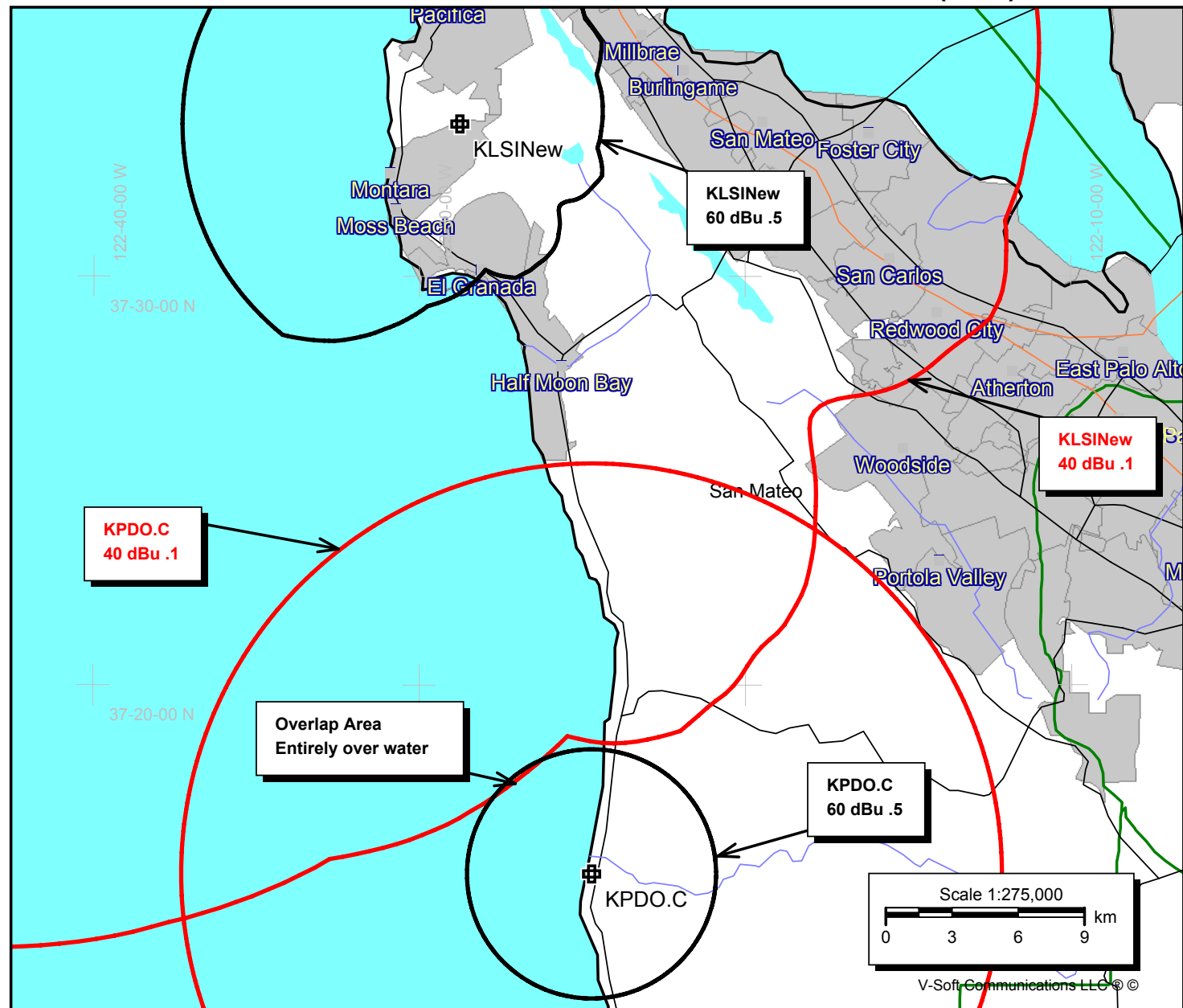
HAAT: -45.0 m

Horiz. Pattern: Omni

Vert. Pattern: No

**12/28/2005**

**V**  
 Doug Vernier  
 721 West 1st Street, Suite A  
 Cedar Falls, Iowa 50613  
 Telecommunications Consultants



KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Protected

60 dBu

KPDO.C BPED19971113MB

Channel = 207A

Max ERP = 0.1 kW

RCAMSL = 27 M

N. Lat = 37 15 23

W. Lng = 122 24 43

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
110.0	000.0020	0384.3	006.9	000.8	000.1000	0017.6	031.6	31.53
111.0	000.0020	0378.2	006.8	000.7	000.1000	0017.6	031.5	31.57
112.0	000.0020	0371.3	006.8	000.6	000.1000	0017.6	031.4	31.61
113.0	000.0020	0363.7	006.7	000.4	000.1000	0020.1	031.3	31.65
114.0	000.0020	0356.9	006.7	000.3	000.1000	0020.1	031.2	31.69
115.0	000.0020	0350.9	006.7	000.1	000.1000	0020.1	031.1	31.73
116.0	000.0020	0345.7	006.6	360.0	000.1000	0020.1	031.0	31.77
117.0	000.0020	0341.0	006.6	359.8	000.1000	0020.1	030.9	31.81
118.0	000.0020	0335.4	006.6	359.7	000.1000	0020.1	030.9	31.84
119.0	000.0020	0329.3	006.5	359.5	000.1000	0022.6	030.8	31.88
120.0	000.0020	0322.6	006.5	359.3	000.1000	0022.6	030.7	31.91
121.0	000.0020	0314.8	006.4	359.1	000.1000	0022.6	030.6	31.95
122.0	000.0020	0305.6	006.4	358.9	000.1000	0022.6	030.6	31.97
123.0	000.0020	0295.4	006.3	358.7	000.1000	0022.6	030.5	32.00
124.0	000.0020	0284.5	006.2	358.4	000.1000	0024.6	030.5	32.01
125.0	000.0020	0273.6	006.1	358.1	000.1000	0024.6	030.5	32.02
126.0	000.0020	0264.3	006.0	357.9	000.1000	0024.6	030.5	32.03
127.0	000.0020	0257.5	005.9	357.6	000.1000	0024.6	030.4	32.05
128.0	000.0020	0253.3	005.9	357.5	000.1000	0025.7	030.4	32.08
129.0	000.0020	0251.8	005.8	357.3	000.1000	0025.7	030.3	32.11
130.0	000.0020	0253.6	005.9	357.2	000.1000	0025.7	030.2	32.15
131.0	000.0020	0258.9	005.9	357.2	000.1000	0025.7	030.1	32.21
132.0	000.0020	0267.0	006.0	357.2	000.1000	0025.7	029.9	32.28
133.0	000.0021	0277.2	006.2	357.2	000.1000	0025.7	029.8	32.36
134.0	000.0021	0288.7	006.3	357.2	000.1000	0025.7	029.6	32.44
135.0	000.0021	0300.1	006.4	357.2	000.1000	0025.7	029.4	32.52
136.0	000.0021	0310.9	006.5	357.2	000.1000	0025.7	029.3	32.60
137.0	000.0021	0321.1	006.6	357.1	000.1000	0025.7	029.2	32.68
138.0	000.0021	0331.3	006.7	357.1	000.1000	0025.7	029.0	32.75
139.0	000.0022	0341.7	006.8	357.0	000.1000	0025.7	028.9	32.83
140.0	000.0022	0351.9	006.9	356.9	000.1000	0025.7	028.7	32.91
141.0	000.0022	0362.0	006.9	356.8	000.1000	0025.7	028.6	32.98
142.0	000.0022	0372.1	007.0	356.7	000.1000	0025.7	028.5	33.04
143.0	000.0022	0381.8	007.1	356.5	000.1000	0025.7	028.4	33.11
144.0	000.0022	0389.3	007.1	356.4	000.1000	0026.7	028.3	33.16
145.0	000.0022	0395.2	007.1	356.2	000.1000	0026.7	028.2	33.22
146.0	000.0022	0400.9	007.2	356.0	000.1000	0026.7	028.1	33.27

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
147.0	000.0022	0406.7	007.2	355.8	000.1000	0026.7	028.0	33.32
148.0	000.0022	0410.3	007.2	355.6	000.1000	0026.7	027.9	33.36
149.0	000.0022	0412.1	007.2	355.4	000.1000	0027.0	027.8	33.40
150.0	000.0022	0414.8	007.3	355.2	000.1000	0027.0	027.8	33.44
151.0	000.0022	0420.8	007.3	354.9	000.1000	0027.0	027.7	33.48
152.0	000.0021	0429.8	007.3	354.7	000.1000	0027.0	027.6	33.52
153.0	000.0021	0439.4	007.3	354.5	000.1000	0027.0	027.5	33.56
154.0	000.0021	0448.0	007.3	354.3	000.1000	0027.0	027.5	33.60
155.0	000.0021	0455.3	007.4	354.0	000.1000	0027.0	027.4	33.63
156.0	000.0021	0461.5	007.4	353.8	000.1000	0027.0	027.4	33.66
157.0	000.0021	0468.0	007.4	353.5	000.1000	0027.0	027.3	33.69
158.0	000.0020	0475.9	007.4	353.3	000.1000	0027.0	027.3	33.72
159.0	000.0020	0484.7	007.4	353.0	000.1000	0027.0	027.2	33.74
160.0	000.0020	0492.6	007.4	352.8	000.1000	0027.0	027.2	33.77
161.0	000.0019	0499.8	007.4	352.5	000.1000	0027.0	027.2	33.75
162.0	000.0019	0506.8	007.3	352.2	000.1000	0027.0	027.3	33.73
163.0	000.0018	0513.7	007.2	351.9	000.1000	0027.0	027.3	33.71
164.0	000.0018	0520.2	007.2	351.6	000.1000	0027.0	027.3	33.69
165.0	000.0017	0526.1	007.1	351.4	000.1000	0027.0	027.4	33.66
166.0	000.0016	0531.3	007.0	351.1	000.1000	0027.0	027.5	33.62
167.0	000.0016	0535.4	007.0	350.8	000.1000	0027.0	027.5	33.58
168.0	000.0015	0538.3	006.9	350.6	000.1000	0027.0	027.6	33.54
169.0	000.0015	0540.5	006.8	350.3	000.1000	0027.0	027.7	33.49
170.0	000.0014	0542.6	006.7	350.1	000.1000	0027.0	027.8	33.44
171.0	000.0015	0544.6	006.8	349.8	000.1000	0027.0	027.7	33.50
172.0	000.0015	0546.4	006.9	349.6	000.1000	0027.0	027.6	33.56
173.0	000.0016	0548.1	007.0	349.3	000.1000	0027.0	027.5	33.61
174.0	000.0016	0549.7	007.1	349.0	000.1000	0027.0	027.4	33.66
175.0	000.0017	0551.2	007.2	348.8	000.1000	0027.0	027.3	33.71
176.0	000.0018	0552.7	007.3	348.5	000.1000	0027.0	027.2	33.76
177.0	000.0018	0554.1	007.4	348.2	000.1000	0027.0	027.1	33.80
178.0	000.0019	0555.3	007.5	347.9	000.1000	0027.0	027.1	33.84
179.0	000.0019	0556.4	007.6	347.6	000.1000	0027.0	027.0	33.89
180.0	000.0020	0557.6	007.7	347.3	000.1000	0027.0	026.9	33.93
181.0	000.0020	0558.7	007.7	346.9	000.1000	0027.0	026.9	33.95
182.0	000.0021	0559.8	007.8	346.6	000.1000	0027.0	026.9	33.97
183.0	000.0021	0560.9	007.9	346.3	000.1000	0027.0	026.8	33.99
184.0	000.0022	0561.9	008.0	346.0	000.1000	0027.0	026.8	34.01
185.0	000.0022	0562.4	008.0	345.6	000.1000	0027.0	026.8	34.02
186.0	000.0023	0562.5	008.1	345.3	000.1000	0027.0	026.8	34.03
187.0	000.0024	0562.5	008.2	345.0	000.1000	0027.0	026.8	34.04
188.0	000.0024	0562.6	008.2	344.6	000.1000	0027.0	026.7	34.04
189.0	000.0025	0562.6	008.3	344.3	000.1000	0027.0	026.7	34.05
190.0	000.0025	0562.6	008.4	344.0	000.1000	0027.0	026.7	34.05
191.0	000.0026	0562.6	008.5	343.5	000.1000	0027.0	026.7	34.09
192.0	000.0028	0562.5	008.7	343.1	000.1000	0027.0	026.6	34.13
193.0	000.0029	0562.5	008.9	342.6	000.1000	0027.0	026.5	34.17
194.0	000.0031	0562.5	009.0	342.2	000.1000	0027.0	026.5	34.20
195.0	000.0032	0562.7	009.2	341.7	000.1000	0027.0	026.5	34.23
196.0	000.0034	0563.0	009.3	341.2	000.1000	0027.0	026.4	34.25
197.0	000.0035	0563.3	009.5	340.8	000.1000	0027.0	026.4	34.26

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
198.0	000.0037	0563.7	009.6	340.3	000.1000	0027.0	026.4	34.27
199.0	000.0038	0564.1	009.7	339.8	000.1000	0027.0	026.4	34.28
200.0	000.0040	0564.6	009.9	339.3	000.1000	0027.0	026.4	34.27
201.0	000.0042	0565.1	010.0	338.8	000.1000	0027.0	026.4	34.28
202.0	000.0044	0565.7	010.2	338.3	000.1000	0027.0	026.4	34.27
203.0	000.0045	0566.2	010.3	337.8	000.1000	0027.0	026.4	34.26
204.0	000.0047	0566.7	010.5	337.3	000.1000	0027.0	026.4	34.24
205.0	000.0049	0567.1	010.6	336.8	000.1000	0027.0	026.5	34.22
206.0	000.0051	0567.5	010.8	336.3	000.1000	0027.0	026.5	34.19
207.0	000.0054	0567.8	010.9	335.8	000.1000	0027.0	026.6	34.16
208.0	000.0056	0568.2	011.1	335.3	000.1000	0027.0	026.6	34.12
209.0	000.0058	0568.6	011.2	334.8	000.1000	0027.0	026.7	34.07
210.0	000.0060	0568.9	011.3	334.3	000.1000	0027.0	026.8	34.02
211.0	000.0062	0569.3	011.5	333.9	000.1000	0027.0	026.9	33.96
212.0	000.0064	0569.8	011.6	333.5	000.1000	0027.0	027.0	33.89
213.0	000.0066	0570.2	011.7	333.0	000.1000	0027.0	027.1	33.82
214.0	000.0068	0570.6	011.8	332.6	000.1000	0027.0	027.2	33.75
215.0	000.0070	0571.1	011.9	332.2	000.1000	0027.0	027.4	33.67
216.0	000.0072	0571.5	012.0	331.8	000.1000	0027.0	027.5	33.59
217.0	000.0074	0571.9	012.1	331.4	000.1000	0027.0	027.6	33.51
218.0	000.0076	0572.3	012.3	331.0	000.1000	0027.0	027.8	33.42
219.0	000.0078	0572.6	012.4	330.7	000.1000	0027.0	028.0	33.33
220.0	000.0080	0573.0	012.5	330.3	000.1000	0027.0	028.1	33.24
221.0	000.0080	0573.3	012.5	330.2	000.1000	0027.0	028.3	33.12
222.0	000.0080	0573.6	012.5	330.0	000.1000	0027.0	028.5	33.01
223.0	000.0080	0573.9	012.5	329.9	000.1000	0027.0	028.7	32.90
224.0	000.0080	0574.2	012.5	329.8	000.1000	0027.0	028.9	32.79
225.0	000.0080	0574.6	012.5	329.6	000.1000	0027.0	029.2	32.68
226.0	000.0080	0574.9	012.5	329.5	000.1000	0027.0	029.4	32.57
227.0	000.0080	0575.3	012.5	329.4	000.1000	0027.0	029.6	32.46
228.0	000.0080	0575.7	012.5	329.3	000.1000	0027.0	029.8	32.35
229.0	000.0080	0576.1	012.5	329.2	000.1000	0027.0	030.0	32.25
230.0	000.0080	0576.5	012.5	329.2	000.1000	0027.0	030.2	32.14

KPDO.C BPED19971113MB

Channel = 207A

Max ERP = 0.1 kW

RCAMSL = 27 M

N. Lat = 37 15 23

W. Lng = 122 24 43

Protected

60 dBu

KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
290.0	000.1000	0027.0	005.6	178.8	000.0019	0556.4	032.0	39.53
291.0	000.1000	0027.0	005.6	178.7	000.0019	0556.4	031.9	39.56
292.0	000.1000	0027.0	005.6	178.7	000.0019	0556.4	031.8	39.60
293.0	000.1000	0027.0	005.6	178.6	000.0019	0556.4	031.7	39.63
294.0	000.1000	0027.0	005.6	178.5	000.0019	0556.4	031.7	39.66
295.0	000.1000	0027.0	005.6	178.4	000.0019	0555.3	031.6	39.67
296.0	000.1000	0027.0	005.6	178.3	000.0019	0555.3	031.5	39.70
297.0	000.1000	0027.0	005.6	178.3	000.0019	0555.3	031.4	39.73
298.0	000.1000	0027.0	005.6	178.2	000.0019	0555.3	031.3	39.76
299.0	000.1000	0027.0	005.6	178.1	000.0019	0555.3	031.2	39.79
300.0	000.1000	0027.0	005.6	178.0	000.0019	0555.3	031.1	39.82
301.0	000.1000	0027.0	005.6	177.9	000.0019	0555.3	031.1	39.85
302.0	000.1000	0027.0	005.6	177.8	000.0019	0555.3	031.0	39.87
303.0	000.1000	0027.0	005.6	177.7	000.0019	0555.3	030.9	39.90
304.0	000.1000	0027.0	005.6	177.6	000.0018	0555.3	030.8	39.93
305.0	000.1000	0027.0	005.6	177.5	000.0018	0554.1	030.7	39.93
306.0	000.1000	0027.0	005.6	177.4	000.0018	0554.1	030.7	39.95
307.0	000.1000	0027.0	005.6	177.2	000.0018	0554.1	030.6	39.97
308.0	000.1000	0027.0	005.6	177.1	000.0018	0554.1	030.5	40.00**
309.0	000.1000	0027.0	005.6	177.0	000.0018	0554.1	030.4	40.02**
310.0	000.1000	0027.0	005.6	176.9	000.0018	0554.1	030.4	40.04**
311.0	000.1000	0027.0	005.6	176.8	000.0018	0554.1	030.3	40.05**
312.0	000.1000	0027.0	005.6	176.6	000.0018	0554.1	030.2	40.07**
313.0	000.1000	0027.0	005.6	176.5	000.0018	0552.7	030.2	40.06**
314.0	000.1000	0027.0	005.6	176.3	000.0018	0552.7	030.1	40.08**
315.0	000.1000	0027.0	005.6	176.2	000.0018	0552.7	030.0	40.09**
316.0	000.1000	0027.0	005.6	176.1	000.0018	0552.7	030.0	40.11**
317.0	000.1000	0027.0	005.6	175.9	000.0017	0552.7	029.9	40.12**
318.0	000.1000	0027.0	005.6	175.8	000.0017	0552.7	029.8	40.13**
319.0	000.1000	0027.0	005.6	175.6	000.0017	0552.7	029.8	40.14**
320.0	000.1000	0027.0	005.6	175.5	000.0017	0551.2	029.7	40.12**
321.0	000.1000	0027.0	005.6	175.3	000.0017	0551.2	029.7	40.13**
322.0	000.1000	0027.0	005.6	175.2	000.0017	0551.2	029.6	40.13**
323.0	000.1000	0027.0	005.6	175.0	000.0017	0551.2	029.6	40.14**

\*\* Contour overlap entirely over water.



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
324.0	000.1000	0027.0	005.6	174.8	000.0017	0551.2	029.5	40.14**
325.0	000.1000	0027.0	005.6	174.7	000.0017	0551.2	029.5	40.14**
326.0	000.1000	0027.0	005.6	174.5	000.0017	0551.2	029.4	40.15**
327.0	000.1000	0027.0	005.6	174.3	000.0017	0549.7	029.4	40.12**
328.0	000.1000	0027.0	005.6	174.2	000.0016	0549.7	029.3	40.12**
329.0	000.1000	0027.0	005.6	174.0	000.0016	0549.7	029.3	40.11**
330.0	000.1000	0027.0	005.6	173.8	000.0016	0549.7	029.2	40.11**
331.0	000.1000	0027.0	005.6	173.6	000.0016	0549.7	029.2	40.10**
332.0	000.1000	0027.0	005.6	173.5	000.0016	0548.1	029.2	40.07**
333.0	000.1000	0027.0	005.6	173.3	000.0016	0548.1	029.1	40.06**
334.0	000.1000	0027.0	005.6	173.1	000.0016	0548.1	029.1	40.05**
335.0	000.1000	0027.0	005.6	172.9	000.0016	0548.1	029.1	40.04**
336.0	000.1000	0027.0	005.6	172.7	000.0016	0548.1	029.0	40.03**
337.0	000.1000	0027.0	005.6	172.5	000.0016	0548.1	029.0	40.01**
338.0	000.1000	0027.0	005.6	172.4	000.0015	0546.4	029.0	39.97
339.0	000.1000	0027.0	005.6	172.2	000.0015	0546.4	029.0	39.95
340.0	000.1000	0027.0	005.6	172.0	000.0015	0546.4	028.9	39.93
341.0	000.1000	0027.0	005.6	171.8	000.0015	0546.4	028.9	39.91
342.0	000.1000	0027.0	005.6	171.6	000.0015	0546.4	028.9	39.89
343.0	000.1000	0027.0	005.6	171.4	000.0015	0544.6	028.9	39.84
344.0	000.1000	0027.0	005.6	171.2	000.0015	0544.6	028.9	39.82
345.0	000.1000	0027.0	005.6	171.0	000.0015	0544.6	028.9	39.79
346.0	000.1000	0027.0	005.6	170.8	000.0015	0544.6	028.8	39.76
347.0	000.1000	0027.0	005.6	170.6	000.0014	0544.6	028.8	39.74
348.0	000.1000	0027.0	005.6	170.4	000.0014	0542.6	028.8	39.67
349.0	000.1000	0027.0	005.6	170.2	000.0014	0542.6	028.8	39.64
350.0	000.1000	0027.0	005.6	170.0	000.0014	0542.6	028.8	39.61
351.0	000.1000	0027.0	005.6	169.9	000.0014	0542.6	028.8	39.63
352.0	000.1000	0027.0	005.6	169.7	000.0014	0542.6	028.8	39.66
353.0	000.1000	0027.0	005.6	169.5	000.0014	0540.5	028.8	39.65
354.0	000.1000	0027.0	005.6	169.3	000.0015	0540.5	028.8	39.68
355.0	000.1000	0027.0	005.6	169.1	000.0015	0540.5	028.9	39.70
356.0	000.1000	0026.7	005.6	168.9	000.0015	0540.5	028.9	39.73
357.0	000.1000	0025.7	005.6	168.7	000.0015	0540.5	028.9	39.75
358.0	000.1000	0024.6	005.6	168.5	000.0015	0538.3	028.9	39.73
359.0	000.1000	0022.6	005.6	168.3	000.0015	0538.3	028.9	39.76
000.0	000.1000	0020.1	005.6	168.1	000.0015	0538.3	028.9	39.77
001.0	000.1000	0017.6	005.6	167.9	000.0015	0538.3	029.0	39.79
002.0	000.1000	0012.2	005.6	167.7	000.0015	0538.3	029.0	39.81
003.0	000.1000	0004.1	005.6	167.5	000.0015	0538.3	029.0	39.82
004.0	000.1000	-0004.6	005.6	167.4	000.0016	0535.4	029.0	39.79
005.0	000.1000	-0010.0	005.6	167.2	000.0016	0535.4	029.1	39.80
006.0	000.1000	-0016.2	005.6	167.0	000.0016	0535.4	029.1	39.81
007.0	000.1000	-0026.7	005.6	166.8	000.0016	0535.4	029.1	39.82
008.0	000.1000	-0041.3	005.6	166.6	000.0016	0535.4	029.2	39.83
009.0	000.1000	-0053.6	005.6	166.4	000.0016	0531.3	029.2	39.76
010.0	000.1000	-0062.3	005.6	166.3	000.0016	0531.3	029.2	39.77
011.0	000.1000	-0063.0	005.6	166.1	000.0016	0531.3	029.3	39.77
012.0	000.1000	-0061.7	005.6	165.9	000.0016	0531.3	029.3	39.77
013.0	000.1000	-0061.4	005.6	165.8	000.0016	0531.3	029.4	39.78
014.0	000.1000	-0064.5	005.6	165.6	000.0017	0531.3	029.4	39.78

\*\* Contour overlap entirely over water.

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
015.0	000.1000	-0070.3	005.6		165.4	000.0017	0526.1	029.5	39.68
016.0	000.1000	-0077.7	005.6		165.2	000.0017	0526.1	029.5	39.68
017.0	000.1000	-0085.3	005.6		165.1	000.0017	0526.1	029.6	39.68
018.0	000.1000	-0093.0	005.6		164.9	000.0017	0526.1	029.6	39.67
019.0	000.1000	-0100.1	005.6		164.8	000.0017	0526.1	029.7	39.67
020.0	000.1000	-0107.3	005.6		164.6	000.0017	0526.1	029.7	39.66
021.0	000.1000	-0112.9	005.6		164.5	000.0017	0520.2	029.8	39.54
022.0	000.1000	-0118.2	005.6		164.3	000.0017	0520.2	029.8	39.53
023.0	000.1000	-0122.8	005.6		164.2	000.0017	0520.2	029.9	39.52
024.0	000.1000	-0126.5	005.6		164.0	000.0018	0520.2	030.0	39.51
025.0	000.1000	-0130.1	005.6		163.9	000.0018	0520.2	030.0	39.50
026.0	000.1000	-0133.6	005.6		163.7	000.0018	0520.2	030.1	39.48
027.0	000.1000	-0134.7	005.6		163.6	000.0018	0520.2	030.2	39.47
028.0	000.1000	-0133.5	005.6		163.5	000.0018	0513.7	030.2	39.33
029.0	000.1000	-0130.7	005.6		163.3	000.0018	0513.7	030.3	39.32
030.0	000.1000	-0127.2	005.6		163.2	000.0018	0513.7	030.4	39.30
031.0	000.1000	-0123.1	005.6		163.1	000.0018	0513.7	030.4	39.28
032.0	000.1000	-0120.7	005.6		163.0	000.0018	0513.7	030.5	39.26
033.0	000.1000	-0122.0	005.6		162.8	000.0018	0513.7	030.6	39.24
034.0	000.1000	-0126.8	005.6		162.7	000.0018	0513.7	030.7	39.21
035.0	000.1000	-0132.1	005.6		162.6	000.0018	0513.7	030.7	39.19
036.0	000.1000	-0136.3	005.6		162.5	000.0018	0506.8	030.8	39.04
037.0	000.1000	-0139.2	005.6		162.4	000.0019	0506.8	030.9	39.01
038.0	000.1000	-0141.5	005.6		162.3	000.0019	0506.8	031.0	38.99
039.0	000.1000	-0143.5	005.6		162.2	000.0019	0506.8	031.1	38.96
040.0	000.1000	-0144.9	005.6		162.1	000.0019	0506.8	031.1	38.93
041.0	000.1000	-0145.4	005.6		162.0	000.0019	0506.8	031.2	38.91
042.0	000.1000	-0145.6	005.6		161.9	000.0019	0506.8	031.3	38.88
043.0	000.1000	-0145.5	005.6		161.8	000.0019	0506.8	031.4	38.85
044.0	000.1000	-0144.8	005.6		161.7	000.0019	0506.8	031.5	38.82
045.0	000.1000	-0143.4	005.6		161.6	000.0019	0506.8	031.6	38.78
046.0	000.1000	-0142.2	005.6		161.6	000.0019	0506.8	031.7	38.75
047.0	000.1000	-0142.2	005.6		161.5	000.0019	0499.8	031.7	38.59
048.0	000.1000	-0143.4	005.6		161.4	000.0019	0499.8	031.8	38.56
049.0	000.1000	-0145.6	005.6		161.4	000.0019	0499.8	031.9	38.53
050.0	000.1000	-0147.7	005.6		161.3	000.0019	0499.8	032.0	38.49

**KLSI(New) v KPDO.A****KLSINew**

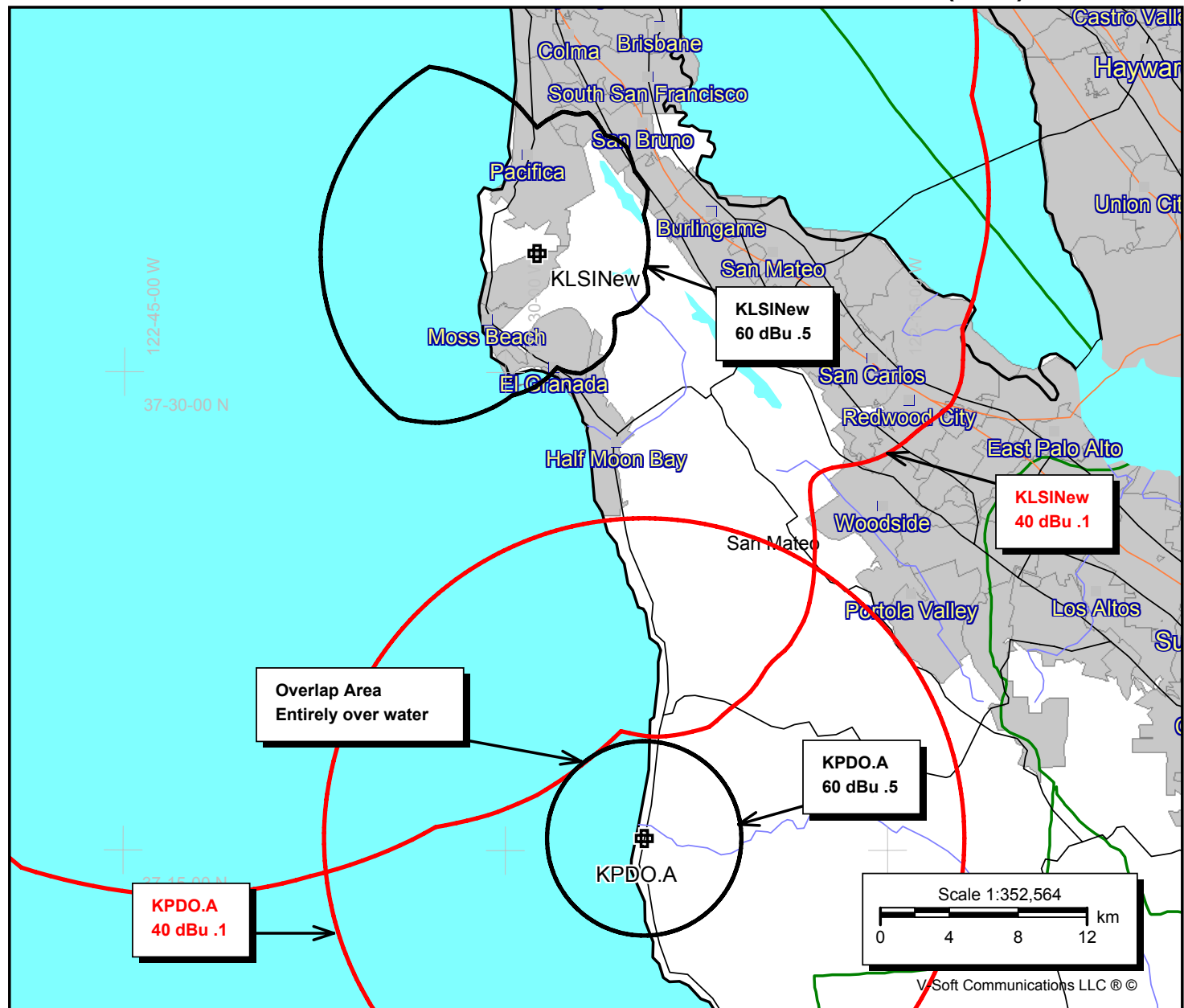
Modify BPED19981006MF  
 Latitude: 37-33-44 N  
 Longitude: 122-28-46 W  
 ERP: 0.008 kW  
 Channel: 207  
 Frequency: 89.3 MHz  
 AMSL Height: 581.0 m  
 HAAT: 498.39 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No

**KPDO.A**

BMPED20051125ABC  
 Latitude: 37-15-23 N  
 Longitude: 122-24-33 W  
 ERP: 0.10 kW  
 Channel: 207  
 Frequency: 89.3 MHz  
 AMSL Height: 30.0 m  
 HAAT: -43.0 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No

**12/28/2005**

**V** Doug Vernier  
 721 West 1st Street, Suite A  
 Cedar Falls, Iowa 50613  
 Telecommunications Consultants



KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Protected

60 dBu

KPDO.A BMPED20051125ABC

Channel = 207A

Max ERP = 0.1 kW

RCAMSL = 30 M

N. Lat = 37 15 23

W. Lng = 122 24 33

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
110.0	000.0020	0384.3	006.9	000.4	000.1000	0020.7	031.6	31.53
111.0	000.0020	0378.2	006.8	000.3	000.1000	0020.7	031.5	31.57
112.0	000.0020	0371.3	006.8	000.1	000.1000	0020.7	031.4	31.61
113.0	000.0020	0363.7	006.7	360.0	000.1000	0020.7	031.3	31.65
114.0	000.0020	0356.9	006.7	359.8	000.1000	0020.7	031.2	31.69
115.0	000.0020	0350.9	006.7	359.7	000.1000	0020.7	031.1	31.73
116.0	000.0020	0345.7	006.6	359.5	000.1000	0020.7	031.0	31.77
117.0	000.0020	0341.0	006.6	359.4	000.1000	0023.2	030.9	31.81
118.0	000.0020	0335.4	006.6	359.2	000.1000	0023.2	030.9	31.84
119.0	000.0020	0329.3	006.5	359.0	000.1000	0023.2	030.8	31.88
120.0	000.0020	0322.6	006.5	358.9	000.1000	0023.2	030.7	31.91
121.0	000.0020	0314.8	006.4	358.7	000.1000	0023.2	030.6	31.94
122.0	000.0020	0305.6	006.4	358.4	000.1000	0025.8	030.6	31.97
123.0	000.0020	0295.4	006.3	358.2	000.1000	0025.8	030.5	31.99
124.0	000.0020	0284.5	006.2	357.9	000.1000	0025.8	030.5	32.01
125.0	000.0020	0273.6	006.1	357.7	000.1000	0025.8	030.5	32.02
126.0	000.0020	0264.3	006.0	357.4	000.1000	0027.7	030.5	32.03
127.0	000.0020	0257.5	005.9	357.2	000.1000	0027.7	030.4	32.05
128.0	000.0020	0253.3	005.9	357.0	000.1000	0027.7	030.4	32.07
129.0	000.0020	0251.8	005.8	356.8	000.1000	0027.7	030.3	32.10
130.0	000.0020	0253.6	005.9	356.7	000.1000	0027.7	030.2	32.14
131.0	000.0020	0258.9	005.9	356.7	000.1000	0027.7	030.1	32.20
132.0	000.0020	0267.0	006.0	356.7	000.1000	0027.7	030.0	32.27
133.0	000.0021	0277.2	006.2	356.7	000.1000	0027.7	029.8	32.35
134.0	000.0021	0288.7	006.3	356.7	000.1000	0027.7	029.6	32.44
135.0	000.0021	0300.1	006.4	356.7	000.1000	0027.7	029.5	32.52
136.0	000.0021	0310.9	006.5	356.7	000.1000	0027.7	029.3	32.59
137.0	000.0021	0321.1	006.6	356.6	000.1000	0027.7	029.2	32.67
138.0	000.0021	0331.3	006.7	356.6	000.1000	0027.7	029.0	32.74
139.0	000.0022	0341.7	006.8	356.5	000.1000	0027.7	028.9	32.82
140.0	000.0022	0351.9	006.9	356.4	000.1000	0028.8	028.7	32.90
141.0	000.0022	0362.0	006.9	356.3	000.1000	0028.8	028.6	32.97
142.0	000.0022	0372.1	007.0	356.2	000.1000	0028.8	028.5	33.03
143.0	000.0022	0381.8	007.1	356.0	000.1000	0028.8	028.4	33.10
144.0	000.0022	0389.3	007.1	355.9	000.1000	0028.8	028.3	33.15
145.0	000.0022	0395.2	007.1	355.7	000.1000	0028.8	028.2	33.21
146.0	000.0022	0400.9	007.2	355.5	000.1000	0028.8	028.1	33.26

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
147.0	000.0022	0406.7	007.2	355.3	000.1000	0029.8	028.0	33.31
148.0	000.0022	0410.3	007.2	355.1	000.1000	0029.8	027.9	33.35
149.0	000.0022	0412.1	007.2	354.9	000.1000	0029.8	027.8	33.39
150.0	000.0022	0414.8	007.3	354.7	000.1000	0029.8	027.8	33.43
151.0	000.0022	0420.8	007.3	354.4	000.1000	0030.0	027.7	33.46
152.0	000.0021	0429.8	007.3	354.2	000.1000	0030.0	027.6	33.51
153.0	000.0021	0439.4	007.3	354.0	000.1000	0030.0	027.6	33.55
154.0	000.0021	0448.0	007.3	353.8	000.1000	0030.0	027.5	33.59
155.0	000.0021	0455.3	007.4	353.5	000.1000	0030.0	027.5	33.62
156.0	000.0021	0461.5	007.4	353.3	000.1000	0030.0	027.4	33.64
157.0	000.0021	0468.0	007.4	353.0	000.1000	0030.0	027.4	33.67
158.0	000.0020	0475.9	007.4	352.8	000.1000	0030.0	027.3	33.70
159.0	000.0020	0484.7	007.4	352.5	000.1000	0030.0	027.3	33.73
160.0	000.0020	0492.6	007.4	352.3	000.1000	0030.0	027.2	33.75
161.0	000.0019	0499.8	007.4	352.0	000.1000	0030.0	027.3	33.73
162.0	000.0019	0506.8	007.3	351.7	000.1000	0030.0	027.3	33.71
163.0	000.0018	0513.7	007.2	351.4	000.1000	0030.0	027.3	33.69
164.0	000.0018	0520.2	007.2	351.1	000.1000	0030.0	027.4	33.66
165.0	000.0017	0526.1	007.1	350.9	000.1000	0030.0	027.4	33.63
166.0	000.0016	0531.3	007.0	350.6	000.1000	0030.0	027.5	33.60
167.0	000.0016	0535.4	007.0	350.3	000.1000	0030.0	027.6	33.56
168.0	000.0015	0538.3	006.9	350.1	000.1000	0030.0	027.6	33.52
169.0	000.0015	0540.5	006.8	349.8	000.1000	0030.0	027.7	33.47
170.0	000.0014	0542.6	006.7	349.6	000.1000	0030.0	027.8	33.42
171.0	000.0015	0544.6	006.8	349.3	000.1000	0030.0	027.7	33.48
172.0	000.0015	0546.4	006.9	349.1	000.1000	0030.0	027.6	33.53
173.0	000.0016	0548.1	007.0	348.8	000.1000	0030.0	027.5	33.58
174.0	000.0016	0549.7	007.1	348.5	000.1000	0030.0	027.4	33.63
175.0	000.0017	0551.2	007.2	348.3	000.1000	0030.0	027.3	33.68
176.0	000.0018	0552.7	007.3	348.0	000.1000	0030.0	027.3	33.73
177.0	000.0018	0554.1	007.4	347.7	000.1000	0030.0	027.2	33.77
178.0	000.0019	0555.3	007.5	347.4	000.1000	0030.0	027.1	33.81
179.0	000.0019	0556.4	007.6	347.1	000.1000	0030.0	027.1	33.85
180.0	000.0020	0557.6	007.7	346.7	000.1000	0030.0	027.0	33.89
181.0	000.0020	0558.7	007.7	346.4	000.1000	0030.0	027.0	33.91
182.0	000.0021	0559.8	007.8	346.1	000.1000	0030.0	026.9	33.94
183.0	000.0021	0560.9	007.9	345.8	000.1000	0030.0	026.9	33.95
184.0	000.0022	0561.9	008.0	345.5	000.1000	0030.0	026.9	33.97
185.0	000.0022	0562.4	008.0	345.1	000.1000	0030.0	026.8	33.98
186.0	000.0023	0562.5	008.1	344.8	000.1000	0030.0	026.8	33.99
187.0	000.0024	0562.5	008.2	344.5	000.1000	0030.0	026.8	34.00
188.0	000.0024	0562.6	008.2	344.1	000.1000	0030.0	026.8	34.00
189.0	000.0025	0562.6	008.3	343.8	000.1000	0030.0	026.8	34.00
190.0	000.0025	0562.6	008.4	343.4	000.1000	0030.0	026.8	34.00
191.0	000.0026	0562.6	008.5	343.0	000.1000	0030.0	026.7	34.05
192.0	000.0028	0562.5	008.7	342.6	000.1000	0030.0	026.7	34.09
193.0	000.0029	0562.5	008.9	342.1	000.1000	0030.0	026.6	34.12
194.0	000.0031	0562.5	009.0	341.7	000.1000	0030.0	026.6	34.15
195.0	000.0032	0562.7	009.2	341.2	000.1000	0030.0	026.5	34.18
196.0	000.0034	0563.0	009.3	340.7	000.1000	0030.0	026.5	34.20
197.0	000.0035	0563.3	009.5	340.3	000.1000	0030.0	026.5	34.21

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
198.0	000.0037	0563.7	009.6		339.8	000.1000	0030.0	026.5	34.22
199.0	000.0038	0564.1	009.7		339.3	000.1000	0030.0	026.5	34.22
200.0	000.0040	0564.6	009.9		338.8	000.1000	0030.0	026.5	34.22
201.0	000.0042	0565.1	010.0		338.3	000.1000	0030.0	026.5	34.22
202.0	000.0044	0565.7	010.2		337.8	000.1000	0030.0	026.5	34.21
203.0	000.0045	0566.2	010.3		337.3	000.1000	0030.0	026.5	34.20
204.0	000.0047	0566.7	010.5		336.8	000.1000	0030.0	026.5	34.18
205.0	000.0049	0567.1	010.6		336.3	000.1000	0030.0	026.6	34.16
206.0	000.0051	0567.5	010.8		335.8	000.1000	0030.0	026.6	34.13
207.0	000.0054	0567.8	010.9		335.3	000.1000	0030.0	026.7	34.09
208.0	000.0056	0568.2	011.1		334.8	000.1000	0030.0	026.7	34.05
209.0	000.0058	0568.6	011.2		334.4	000.1000	0030.0	026.8	34.01
210.0	000.0060	0568.9	011.3		333.9	000.1000	0030.0	026.9	33.96
211.0	000.0062	0569.3	011.5		333.4	000.1000	0030.0	027.0	33.89
212.0	000.0064	0569.8	011.6		333.0	000.1000	0030.0	027.1	33.83
213.0	000.0066	0570.2	011.7		332.6	000.1000	0030.0	027.2	33.76
214.0	000.0068	0570.6	011.8		332.2	000.1000	0030.0	027.3	33.68
215.0	000.0070	0571.1	011.9		331.8	000.1000	0030.0	027.5	33.60
216.0	000.0072	0571.5	012.0		331.4	000.1000	0030.0	027.6	33.52
217.0	000.0074	0571.9	012.1		331.0	000.1000	0030.0	027.8	33.44
218.0	000.0076	0572.3	012.3		330.6	000.1000	0030.0	027.9	33.35
219.0	000.0078	0572.6	012.4		330.2	000.1000	0030.0	028.1	33.26
220.0	000.0080	0573.0	012.5		329.9	000.1000	0030.0	028.2	33.17
221.0	000.0080	0573.3	012.5		329.7	000.1000	0030.0	028.4	33.05
222.0	000.0080	0573.6	012.5		329.6	000.1000	0030.0	028.7	32.94
223.0	000.0080	0573.9	012.5		329.5	000.1000	0030.0	028.9	32.83
224.0	000.0080	0574.2	012.5		329.3	000.1000	0030.0	029.1	32.72
225.0	000.0080	0574.6	012.5		329.2	000.1000	0030.0	029.3	32.61
226.0	000.0080	0574.9	012.5		329.1	000.1000	0030.0	029.5	32.50
227.0	000.0080	0575.3	012.5		329.0	000.1000	0030.0	029.7	32.39
228.0	000.0080	0575.7	012.5		328.9	000.1000	0030.0	029.9	32.29
229.0	000.0080	0576.1	012.5		328.8	000.1000	0030.0	030.1	32.19
230.0	000.0080	0576.5	012.5		328.8	000.1000	0030.0	030.3	32.08

KPDO.A BMPED20051125ABC  
 Channel = 207A  
 Max ERP = 0.1 kW  
 RCAMSL = 30 M  
 N. Lat = 37 15 23  
 W. Lng = 122 24 33  
 Protected  
 60 dBu

KLSI.C  
 Channel = 207A  
 Max ERP = 0.008 kW  
 RCAMSL = 581 M  
 N. Lat = 37 33 44  
 W. Lng = 122 28 46  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
290.0	000.1000	0030.0	005.6	178.3	000.0019	0555.3	032.0	39.45
291.0	000.1000	0030.0	005.6	178.3	000.0019	0555.3	031.9	39.48
292.0	000.1000	0030.0	005.6	178.2	000.0019	0555.3	031.8	39.51
293.0	000.1000	0030.0	005.6	178.1	000.0019	0555.3	031.8	39.54
294.0	000.1000	0030.0	005.6	178.1	000.0019	0555.3	031.7	39.57
295.0	000.1000	0030.0	005.6	178.0	000.0019	0555.3	031.6	39.61
296.0	000.1000	0030.0	005.6	177.9	000.0019	0555.3	031.5	39.64
297.0	000.1000	0030.0	005.6	177.8	000.0019	0555.3	031.4	39.67
298.0	000.1000	0030.0	005.6	177.7	000.0019	0555.3	031.3	39.69
299.0	000.1000	0030.0	005.6	177.6	000.0018	0555.3	031.2	39.72
300.0	000.1000	0030.0	005.6	177.5	000.0018	0555.3	031.2	39.75
301.0	000.1000	0030.0	005.6	177.4	000.0018	0554.1	031.1	39.76
302.0	000.1000	0030.0	005.6	177.3	000.0018	0554.1	031.0	39.78
303.0	000.1000	0030.0	005.6	177.2	000.0018	0554.1	030.9	39.81
304.0	000.1000	0030.0	005.6	177.1	000.0018	0554.1	030.8	39.83
305.0	000.1000	0030.0	005.6	177.0	000.0018	0554.1	030.8	39.86
306.0	000.1000	0030.0	005.6	176.9	000.0018	0554.1	030.7	39.88
307.0	000.1000	0030.0	005.6	176.8	000.0018	0554.1	030.6	39.90
308.0	000.1000	0030.0	005.6	176.7	000.0018	0554.1	030.5	39.92
309.0	000.1000	0030.0	005.6	176.5	000.0018	0554.1	030.5	39.94
310.0	000.1000	0030.0	005.6	176.4	000.0018	0552.7	030.4	39.94
311.0	000.1000	0030.0	005.6	176.3	000.0018	0552.7	030.3	39.95
312.0	000.1000	0030.0	005.6	176.2	000.0018	0552.7	030.2	39.97
313.0	000.1000	0030.0	005.6	176.0	000.0018	0552.7	030.2	39.99
314.0	000.1000	0030.0	005.6	175.9	000.0017	0552.7	030.1	40.00**
315.0	000.1000	0030.0	005.6	175.7	000.0017	0552.7	030.0	40.01**
316.0	000.1000	0030.0	005.6	175.6	000.0017	0552.7	030.0	40.03**
317.0	000.1000	0030.0	005.6	175.5	000.0017	0551.2	029.9	40.01**
318.0	000.1000	0030.0	005.6	175.3	000.0017	0551.2	029.9	40.02**
319.0	000.1000	0030.0	005.6	175.2	000.0017	0551.2	029.8	40.03**
320.0	000.1000	0030.0	005.6	175.0	000.0017	0551.2	029.7	40.04**
321.0	000.1000	0030.0	005.6	174.8	000.0017	0551.2	029.7	40.04**
322.0	000.1000	0030.0	005.6	174.7	000.0017	0551.2	029.6	40.05**
323.0	000.1000	0030.0	005.6	174.5	000.0017	0551.2	029.6	40.05**

\*\* Contour overlap entirely over water.

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
324.0	000.1000	0030.0	005.6	174.4	000.0017	0549.7	029.5	40.03**
325.0	000.1000	0030.0	005.6	174.2	000.0016	0549.7	029.5	40.03**
326.0	000.1000	0030.0	005.6	174.0	000.0016	0549.7	029.4	40.03**
327.0	000.1000	0030.0	005.6	173.9	000.0016	0549.7	029.4	40.03**
328.0	000.1000	0030.0	005.6	173.7	000.0016	0549.7	029.3	40.03**
329.0	000.1000	0030.0	005.6	173.5	000.0016	0549.7	029.3	40.03**
330.0	000.1000	0030.0	005.6	173.3	000.0016	0548.1	029.3	39.99
331.0	000.1000	0030.0	005.6	173.2	000.0016	0548.1	029.2	39.99
332.0	000.1000	0030.0	005.6	173.0	000.0016	0548.1	029.2	39.98
333.0	000.1000	0030.0	005.6	172.8	000.0016	0548.1	029.2	39.97
334.0	000.1000	0030.0	005.6	172.6	000.0016	0548.1	029.1	39.96
335.0	000.1000	0030.0	005.6	172.4	000.0015	0546.4	029.1	39.92
336.0	000.1000	0030.0	005.6	172.3	000.0015	0546.4	029.1	39.90
337.0	000.1000	0030.0	005.6	172.1	000.0015	0546.4	029.0	39.89
338.0	000.1000	0030.0	005.6	171.9	000.0015	0546.4	029.0	39.87
339.0	000.1000	0030.0	005.6	171.7	000.0015	0546.4	029.0	39.86
340.0	000.1000	0030.0	005.6	171.5	000.0015	0544.6	029.0	39.80
341.0	000.1000	0030.0	005.6	171.3	000.0015	0544.6	028.9	39.78
342.0	000.1000	0030.0	005.6	171.1	000.0015	0544.6	028.9	39.76
343.0	000.1000	0030.0	005.6	170.9	000.0015	0544.6	028.9	39.74
344.0	000.1000	0030.0	005.6	170.7	000.0015	0544.6	028.9	39.72
345.0	000.1000	0030.0	005.6	170.5	000.0014	0544.6	028.9	39.69
346.0	000.1000	0030.0	005.6	170.3	000.0014	0542.6	028.9	39.63
347.0	000.1000	0030.0	005.6	170.2	000.0014	0542.6	028.9	39.60
348.0	000.1000	0030.0	005.6	170.0	000.0014	0542.6	028.9	39.59
349.0	000.1000	0030.0	005.6	169.8	000.0014	0542.6	028.9	39.62
350.0	000.1000	0030.0	005.6	169.6	000.0014	0542.6	028.9	39.65
351.0	000.1000	0030.0	005.6	169.4	000.0014	0540.5	028.9	39.64
352.0	000.1000	0030.0	005.6	169.2	000.0015	0540.5	028.9	39.67
353.0	000.1000	0030.0	005.6	169.0	000.0015	0540.5	028.9	39.70
354.0	000.1000	0030.0	005.6	168.8	000.0015	0540.5	028.9	39.73
355.0	000.1000	0029.8	005.6	168.6	000.0015	0540.5	028.9	39.75
356.0	000.1000	0028.8	005.6	168.4	000.0015	0538.3	028.9	39.74
357.0	000.1000	0027.7	005.6	168.2	000.0015	0538.3	028.9	39.76
358.0	000.1000	0025.8	005.6	168.0	000.0015	0538.3	028.9	39.78
359.0	000.1000	0023.2	005.6	167.8	000.0015	0538.3	029.0	39.80
000.0	000.1000	0020.7	005.6	167.6	000.0015	0538.3	029.0	39.82
001.0	000.1000	0014.1	005.6	167.4	000.0016	0535.4	029.0	39.79
002.0	000.1000	0003.8	005.6	167.3	000.0016	0535.4	029.0	39.80
003.0	000.1000	-0006.3	005.6	167.1	000.0016	0535.4	029.1	39.82
004.0	000.1000	-0012.2	005.6	166.9	000.0016	0535.4	029.1	39.83
005.0	000.1000	-0019.6	005.6	166.7	000.0016	0535.4	029.1	39.84
006.0	000.1000	-0030.7	005.6	166.5	000.0016	0535.4	029.1	39.85
007.0	000.1000	-0045.2	005.6	166.3	000.0016	0531.3	029.2	39.79
008.0	000.1000	-0056.7	005.6	166.2	000.0016	0531.3	029.2	39.79
009.0	000.1000	-0064.6	005.6	166.0	000.0016	0531.3	029.3	39.80
010.0	000.1000	-0064.2	005.6	165.8	000.0016	0531.3	029.3	39.81
011.0	000.1000	-0062.4	005.6	165.6	000.0017	0531.3	029.3	39.81
012.0	000.1000	-0061.7	005.6	165.5	000.0017	0526.1	029.4	39.72
013.0	000.1000	-0064.7	005.6	165.3	000.0017	0526.1	029.4	39.72
014.0	000.1000	-0070.5	005.6	165.1	000.0017	0526.1	029.5	39.72

\*\* Contour overlap entirely over water.



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
015.0	000.1000	-0078.1	005.6		165.0	000.0017	0526.1	029.5	39.72
016.0	000.1000	-0086.4	005.6		164.8	000.0017	0526.1	029.6	39.71
017.0	000.1000	-0094.4	005.6		164.6	000.0017	0526.1	029.6	39.71
018.0	000.1000	-0101.9	005.6		164.5	000.0017	0520.2	029.7	39.60
019.0	000.1000	-0109.3	005.6		164.3	000.0017	0520.2	029.7	39.59
020.0	000.1000	-0114.3	005.6		164.2	000.0017	0520.2	029.8	39.58
021.0	000.1000	-0118.5	005.6		164.0	000.0018	0520.2	029.8	39.58
022.0	000.1000	-0122.0	005.6		163.9	000.0018	0520.2	029.9	39.57
023.0	000.1000	-0125.5	005.6		163.7	000.0018	0520.2	030.0	39.55
024.0	000.1000	-0129.6	005.6		163.6	000.0018	0520.2	030.0	39.54
025.0	000.1000	-0134.0	005.6		163.4	000.0018	0513.7	030.1	39.41
026.0	000.1000	-0135.5	005.6		163.3	000.0018	0513.7	030.2	39.40
027.0	000.1000	-0133.9	005.6		163.2	000.0018	0513.7	030.2	39.38
028.0	000.1000	-0130.2	005.6		163.0	000.0018	0513.7	030.3	39.36
029.0	000.1000	-0126.2	005.6		162.9	000.0018	0513.7	030.4	39.34
030.0	000.1000	-0122.0	005.6		162.8	000.0018	0513.7	030.4	39.32
031.0	000.1000	-0119.9	005.6		162.6	000.0018	0513.7	030.5	39.30
032.0	000.1000	-0121.7	005.6		162.5	000.0018	0513.7	030.6	39.28
033.0	000.1000	-0127.5	005.6		162.4	000.0018	0506.8	030.7	39.14
034.0	000.1000	-0134.2	005.6		162.3	000.0019	0506.8	030.7	39.11
035.0	000.1000	-0139.1	005.6		162.2	000.0019	0506.8	030.8	39.09
036.0	000.1000	-0142.0	005.6		162.1	000.0019	0506.8	030.9	39.06
037.0	000.1000	-0144.1	005.6		162.0	000.0019	0506.8	031.0	39.04
038.0	000.1000	-0145.5	005.6		161.9	000.0019	0506.8	031.1	39.01
039.0	000.1000	-0146.2	005.6		161.8	000.0019	0506.8	031.1	38.98
040.0	000.1000	-0146.5	005.6		161.7	000.0019	0506.8	031.2	38.96
041.0	000.1000	-0146.3	005.6		161.6	000.0019	0506.8	031.3	38.93
042.0	000.1000	-0146.1	005.6		161.5	000.0019	0499.8	031.4	38.77
043.0	000.1000	-0145.7	005.6		161.4	000.0019	0499.8	031.5	38.74
044.0	000.1000	-0144.7	005.6		161.3	000.0019	0499.8	031.6	38.71
045.0	000.1000	-0143.7	005.6		161.2	000.0019	0499.8	031.6	38.68
046.0	000.1000	-0143.4	005.6		161.1	000.0019	0499.8	031.7	38.65
047.0	000.1000	-0144.3	005.6		161.1	000.0019	0499.8	031.8	38.61
048.0	000.1000	-0146.0	005.6		161.0	000.0019	0499.8	031.9	38.58
049.0	000.1000	-0147.9	005.6		160.9	000.0019	0499.8	032.0	38.55
050.0	000.1000	-0148.4	005.6		160.9	000.0019	0499.8	032.1	38.51

**KLSI(New) v KPFB****KLSINew**

Modify BPED19981006MF

Latitude: 37-33-44 N

Longitude: 122-28-46 W

ERP: 0.008 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 581.0 m

HAAT: 498.39 m

Horiz. Pattern: Directional

Vert. Pattern: No

**KPFB**

BLED19910909KB

Latitude: 37-52-20 N

Longitude: 122-16-18 W

ERP: 0.46 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 72.0 m

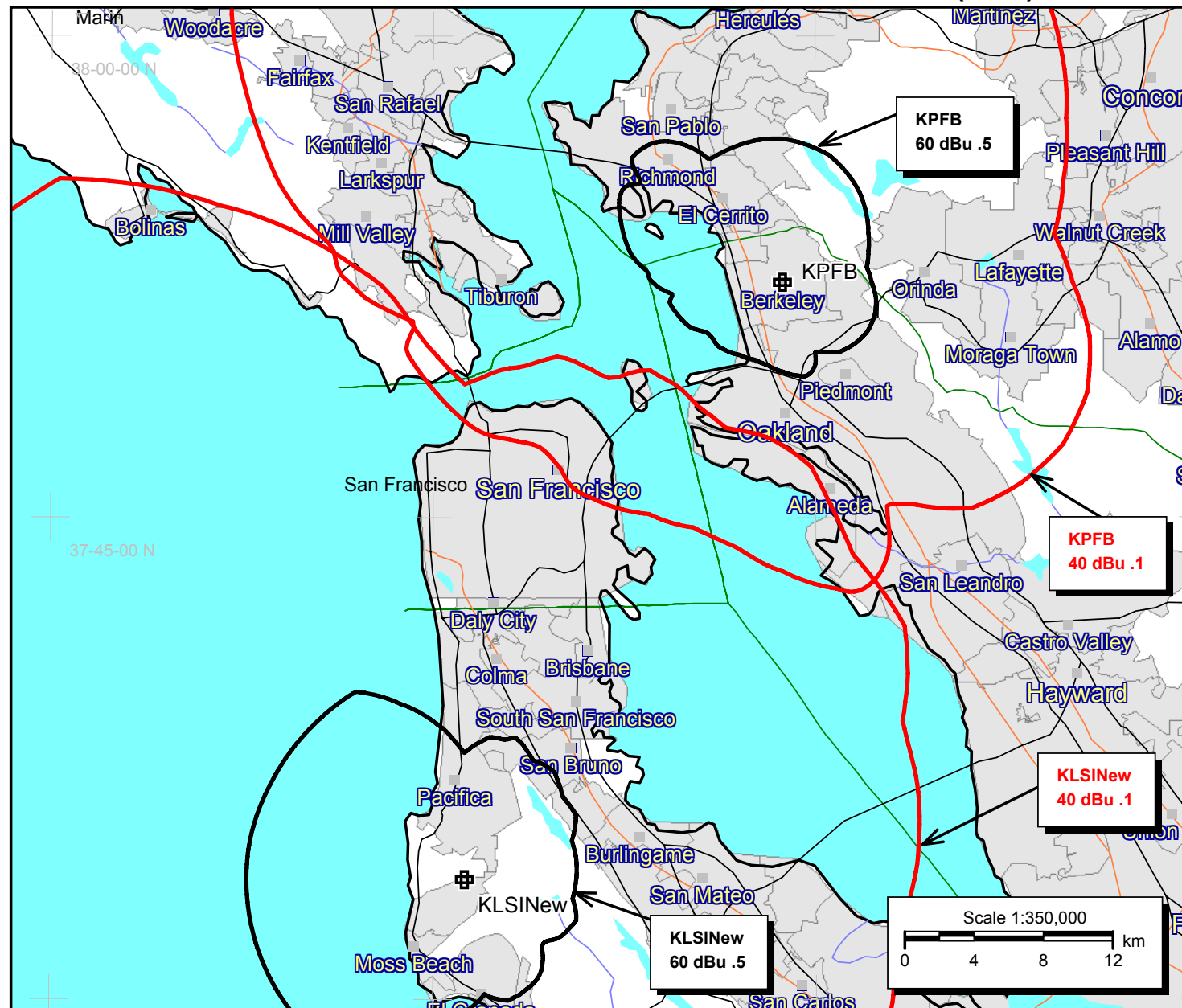
HAAT: 0.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

**12/28/2005**

**V**  
 Doug Vernier  
 721 West 1st Street, Suite A  
 Cedar Falls, Iowa 50613  
 Telecommunications Consultants



KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Protected

60 dBu

KPFB BLED19910909KB

Channel = 207A

Max ERP = 0.46 kW

RCAMSL = 72 M

N. Lat = 37 52 20

W. Lng = 122 16 18

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
328.0	000.0080	0574.8	012.5	226.3	000.0132	0070.2	034.5	28.32
329.0	000.0080	0575.0	012.5	226.2	000.0132	0070.2	034.3	28.41
330.0	000.0080	0575.2	012.5	226.1	000.0132	0070.2	034.0	28.50
331.0	000.0077	0575.3	012.3	225.8	000.0131	0070.2	033.9	28.54
332.0	000.0074	0575.4	012.2	225.4	000.0130	0070.7	033.7	28.65
333.0	000.0070	0575.4	012.0	225.0	000.0129	0070.7	033.6	28.69
334.0	000.0067	0575.3	011.8	224.6	000.0128	0070.7	033.4	28.72
335.0	000.0064	0575.2	011.7	224.2	000.0127	0070.9	033.3	28.78
336.0	000.0061	0575.0	011.5	223.8	000.0126	0070.9	033.2	28.80
337.0	000.0059	0574.7	011.3	223.4	000.0125	0071.0	033.0	28.82
338.0	000.0056	0574.3	011.1	223.0	000.0124	0071.0	032.9	28.83
339.0	000.0053	0573.8	010.9	222.5	000.0123	0071.0	032.9	28.84
340.0	000.0050	0573.1	010.8	222.1	000.0122	0070.9	032.8	28.84
341.0	000.0048	0572.3	010.6	221.7	000.0122	0070.9	032.7	28.85
342.0	000.0046	0571.2	010.5	221.3	000.0121	0070.9	032.6	28.85
343.0	000.0044	0569.8	010.3	220.9	000.0120	0070.9	032.5	28.85
344.0	000.0043	0568.2	010.1	220.5	000.0119	0071.0	032.5	28.85
345.0	000.0041	0566.4	010.0	220.1	000.0118	0071.0	032.4	28.84
346.0	000.0039	0564.3	009.8	219.7	000.0117	0071.0	032.4	28.82
347.0	000.0037	0562.1	009.6	219.2	000.0116	0071.1	032.3	28.82
348.0	000.0035	0559.7	009.4	218.8	000.0115	0071.1	032.3	28.79
349.0	000.0034	0556.9	009.3	218.4	000.0114	0071.1	032.3	28.77
350.0	000.0032	0553.8	009.1	217.9	000.0113	0071.1	032.3	28.73
351.0	000.0031	0550.3	008.9	217.6	000.0112	0071.1	032.3	28.71
352.0	000.0029	0545.0	008.8	217.2	000.0112	0071.1	032.3	28.67
353.0	000.0028	0534.9	008.6	216.8	000.0111	0071.1	032.3	28.63
354.0	000.0027	0520.6	008.4	216.3	000.0110	0071.1	032.4	28.57
355.0	000.0026	0504.9	008.2	215.9	000.0109	0071.1	032.4	28.51
356.0	000.0024	0492.5	008.0	215.5	000.0108	0071.1	032.5	28.44
357.0	000.0023	0484.7	007.8	215.1	000.0107	0071.1	032.5	28.39
358.0	000.0022	0476.7	007.6	214.7	000.0106	0071.1	032.6	28.33
359.0	000.0021	0471.7	007.5	214.3	000.0106	0071.0	032.7	28.26
000.0	000.0020	0468.0	007.3	214.0	000.0105	0071.0	032.7	28.20
001.0	000.0021	0464.4	007.4	213.9	000.0105	0071.0	032.6	28.26
002.0	000.0022	0460.4	007.5	213.8	000.0104	0071.0	032.4	28.32
003.0	000.0023	0458.1	007.6	213.7	000.0104	0071.0	032.2	28.39
004.0	000.0024	0455.2	007.7	213.6	000.0104	0071.0	032.1	28.46

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
005.0	000.0025	0450.8	007.8	213.5	000.0104	0070.9	031.9	28.50
006.0	000.0026	0445.2	007.9	213.3	000.0104	0070.9	031.8	28.56
007.0	000.0027	0442.0	008.0	213.2	000.0103	0070.9	031.6	28.61
008.0	000.0028	0441.1	008.1	213.0	000.0103	0070.9	031.5	28.68
009.0	000.0029	0439.8	008.2	212.9	000.0103	0070.9	031.3	28.74
010.0	000.0030	0438.4	008.3	212.7	000.0102	0070.9	031.2	28.80
011.0	000.0030	0435.1	008.4	212.5	000.0102	0070.8	031.1	28.80
012.0	000.0031	0430.3	008.4	212.2	000.0101	0070.8	031.0	28.81
013.0	000.0031	0424.0	008.4	212.0	000.0101	0070.8	031.0	28.82
014.0	000.0032	0418.9	008.4	211.7	000.0100	0070.8	030.9	28.82
015.0	000.0032	0412.7	008.4	211.5	000.0100	0070.6	030.9	28.80
016.0	000.0033	0408.8	008.4	211.2	000.0099	0070.6	030.8	28.81
017.0	000.0033	0410.6	008.4	211.0	000.0099	0070.6	030.7	28.83
018.0	000.0034	0416.8	008.5	210.8	000.0098	0070.6	030.6	28.88
019.0	000.0034	0421.4	008.6	210.5	000.0098	0070.6	030.5	28.92
020.0	000.0035	0423.8	008.7	210.3	000.0097	0070.5	030.4	28.92
021.0	000.0034	0426.9	008.6	210.0	000.0097	0070.5	030.4	28.88
022.0	000.0033	0431.4	008.6	209.7	000.0097	0070.5	030.5	28.86
023.0	000.0032	0436.1	008.5	209.4	000.0097	0070.3	030.5	28.82
024.0	000.0031	0439.6	008.4	209.1	000.0097	0070.3	030.6	28.79
025.0	000.0030	0441.4	008.3	208.8	000.0097	0070.3	030.7	28.74
026.0	000.0029	0443.0	008.2	208.5	000.0097	0070.3	030.7	28.70
027.0	000.0028	0446.8	008.2	208.2	000.0097	0070.2	030.8	28.64
028.0	000.0027	0452.6	008.1	208.0	000.0097	0070.2	030.9	28.60
029.0	000.0026	0458.5	008.0	207.7	000.0097	0070.2	031.0	28.56
030.0	000.0025	0464.2	007.9	207.5	000.0097	0069.9	031.1	28.50
031.0	000.0025	0470.0	008.0	207.2	000.0097	0069.9	031.0	28.51
032.0	000.0025	0476.2	008.0	207.0	000.0097	0069.9	031.0	28.52
033.0	000.0025	0482.2	008.0	206.7	000.0097	0069.9	031.0	28.52
034.0	000.0025	0487.1	008.0	206.4	000.0097	0069.7	031.0	28.50
035.0	000.0025	0490.2	008.1	206.2	000.0097	0069.7	031.0	28.50
036.0	000.0025	0491.9	008.1	205.9	000.0097	0069.7	031.0	28.49
037.0	000.0025	0493.1	008.1	205.7	000.0097	0069.7	031.0	28.48
038.0	000.0025	0493.7	008.1	205.4	000.0097	0069.4	031.1	28.43
039.0	000.0025	0493.8	008.1	205.1	000.0097	0069.4	031.1	28.42
040.0	000.0025	0493.4	008.1	204.9	000.0097	0069.4	031.1	28.40
041.0	000.0024	0492.7	008.0	204.7	000.0097	0069.4	031.2	28.35
042.0	000.0024	0492.0	007.9	204.5	000.0097	0069.1	031.3	28.26
043.0	000.0023	0491.2	007.9	204.3	000.0097	0069.1	031.4	28.21
044.0	000.0023	0490.6	007.8	204.1	000.0097	0069.1	031.6	28.16
045.0	000.0022	0490.2	007.7	203.9	000.0097	0069.1	031.7	28.10
046.0	000.0022	0490.0	007.7	203.7	000.0097	0069.1	031.8	28.05
047.0	000.0021	0490.1	007.6	203.5	000.0097	0069.1	031.9	28.00
048.0	000.0021	0490.4	007.5	203.4	000.0097	0068.8	032.0	27.91
049.0	000.0020	0490.8	007.5	203.2	000.0097	0068.8	032.1	27.85
050.0	000.0020	0491.2	007.4	203.1	000.0097	0068.8	032.2	27.80
051.0	000.0020	0491.7	007.4	202.8	000.0097	0068.8	032.3	27.78
052.0	000.0020	0492.2	007.4	202.6	000.0097	0068.8	032.4	27.75
053.0	000.0020	0492.7	007.4	202.4	000.0097	0068.4	032.4	27.68
054.0	000.0020	0493.1	007.4	202.2	000.0097	0068.4	032.5	27.65
055.0	000.0020	0493.6	007.4	202.1	000.0097	0068.4	032.5	27.62

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
056.0	000.0020	0493.9	007.4		201.9	000.0097	0068.4	032.6	27.59
057.0	000.0020	0494.1	007.4		201.7	000.0097	0068.4	032.7	27.55
058.0	000.0020	0494.1	007.4		201.5	000.0097	0068.0	032.8	27.47
059.0	000.0020	0493.9	007.4		201.3	000.0097	0068.0	032.8	27.44
060.0	000.0020	0493.7	007.4		201.1	000.0097	0068.0	032.9	27.40
061.0	000.0019	0493.3	007.3		201.1	000.0097	0068.0	033.1	27.34
062.0	000.0019	0492.9	007.3		201.0	000.0097	0068.0	033.2	27.28
063.0	000.0018	0492.4	007.2		200.9	000.0097	0068.0	033.4	27.21
064.0	000.0018	0491.8	007.1		200.8	000.0097	0068.0	033.5	27.15
065.0	000.0017	0491.0	007.0		200.8	000.0097	0068.0	033.6	27.08
066.0	000.0017	0489.7	006.9		200.7	000.0097	0068.0	033.8	27.02
067.0	000.0016	0488.0	006.8		200.7	000.0097	0068.0	033.9	26.96
068.0	000.0016	0485.8	006.8		200.7	000.0097	0068.0	034.1	26.90
069.0	000.0015	0483.4	006.7		200.6	000.0097	0068.0	034.2	26.83
070.0	000.0015	0481.2	006.6		200.6	000.0097	0068.0	034.4	26.77
071.0	000.0015	0479.2	006.6		200.5	000.0097	0068.0	034.5	26.73
072.0	000.0015	0477.7	006.6		200.4	000.0097	0067.6	034.6	26.63
073.0	000.0015	0476.7	006.6		200.3	000.0097	0067.6	034.6	26.59
074.0	000.0015	0476.2	006.6		200.2	000.0097	0067.6	034.7	26.55
075.0	000.0015	0475.8	006.6		200.1	000.0097	0067.6	034.8	26.51
076.0	000.0015	0475.4	006.6		200.0	000.0097	0067.6	034.9	26.47
077.0	000.0015	0474.9	006.6		199.9	000.0097	0067.6	035.0	26.44
078.0	000.0015	0474.0	006.5		199.8	000.0097	0067.6	035.1	26.41
079.0	000.0015	0472.6	006.5		199.7	000.0097	0067.6	035.2	26.37
080.0	000.0015	0470.9	006.5		199.6	000.0097	0067.6	035.3	26.34
081.0	000.0015	0469.0	006.5		199.5	000.0098	0067.6	035.4	26.30
082.0	000.0015	0466.9	006.5		199.5	000.0098	0067.1	035.5	26.21
083.0	000.0015	0464.6	006.5		199.4	000.0098	0067.1	035.6	26.17
084.0	000.0015	0462.1	006.5		199.3	000.0098	0067.1	035.8	26.13
085.0	000.0015	0459.3	006.5		199.3	000.0098	0067.1	035.9	26.09
086.0	000.0015	0457.3	006.5		199.2	000.0098	0067.1	036.0	26.05
087.0	000.0015	0455.4	006.5		199.2	000.0098	0067.1	036.1	26.01
088.0	000.0015	0452.7	006.5		199.1	000.0098	0067.1	036.2	25.97

KPFB BLED19910909KB  
 Channel = 207A  
 Max ERP = 0.46 kW  
 RCAMSL = 72 M  
 N. Lat = 37 52 20  
 W. Lng = 122 16 18  
 Protected  
 60 dBu

KLSI.C  
 Channel = 207A  
 Max ERP = 0.008 kW  
 RCAMSL = 581 M  
 N. Lat = 37 33 44  
 W. Lng = 122 28 46  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
148.0	000.0519	0011.4	004.8	034.3	000.0025	0487.1	036.8	37.20
149.0	000.0495	0014.2	004.7	034.1	000.0025	0487.1	036.8	37.23
150.0	000.0471	0016.7	004.6	034.0	000.0025	0487.1	036.7	37.25
151.0	000.0454	0019.0	004.6	033.9	000.0025	0487.1	036.7	37.27
152.0	000.0436	0021.4	004.5	033.7	000.0025	0487.1	036.6	37.29
153.0	000.0420	0024.1	004.5	033.6	000.0025	0487.1	036.6	37.31
154.0	000.0403	0027.3	004.4	033.5	000.0025	0487.1	036.5	37.33
155.0	000.0387	0030.9	004.5	033.5	000.0025	0482.2	036.5	37.27
156.0	000.0371	0034.7	004.7	033.7	000.0025	0487.1	036.3	37.45
157.0	000.0356	0038.5	004.9	033.9	000.0025	0487.1	036.1	37.53
158.0	000.0340	0041.8	005.1	034.1	000.0025	0487.1	035.9	37.60
159.0	000.0325	0044.5	005.2	034.1	000.0025	0487.1	035.8	37.67
160.0	000.0311	0046.8	005.3	034.2	000.0025	0487.1	035.7	37.73
161.0	000.0299	0049.0	005.4	034.2	000.0025	0487.1	035.5	37.78
162.0	000.0287	0051.1	005.4	034.2	000.0025	0487.1	035.4	37.83
163.0	000.0276	0053.0	005.5	034.1	000.0025	0487.1	035.3	37.88
164.0	000.0265	0054.9	005.5	034.1	000.0025	0487.1	035.2	37.92
165.0	000.0254	0056.7	005.5	034.0	000.0025	0487.1	035.1	37.97
166.0	000.0243	0058.3	005.6	034.0	000.0025	0487.1	035.1	38.00
167.0	000.0233	0059.7	005.6	033.9	000.0025	0487.1	035.0	38.04
168.0	000.0223	0060.7	005.5	033.7	000.0025	0487.1	034.9	38.06
169.0	000.0213	0061.4	005.5	033.6	000.0025	0487.1	034.9	38.08
170.0	000.0203	0061.8	005.5	033.4	000.0025	0482.2	034.8	38.01
171.0	000.0197	0062.1	005.4	033.3	000.0025	0482.2	034.8	38.03
172.0	000.0191	0062.4	005.4	033.1	000.0025	0482.2	034.8	38.05
173.0	000.0186	0062.6	005.4	033.0	000.0025	0482.2	034.7	38.07
174.0	000.0180	0062.8	005.4	032.8	000.0025	0482.2	034.7	38.08
175.0	000.0175	0063.0	005.3	032.7	000.0025	0482.2	034.6	38.10
176.0	000.0170	0063.2	005.3	032.5	000.0025	0482.2	034.6	38.11
177.0	000.0164	0063.4	005.3	032.4	000.0025	0476.2	034.6	38.01
178.0	000.0159	0063.5	005.2	032.2	000.0025	0476.2	034.6	38.02
179.0	000.0154	0063.7	005.2	032.0	000.0025	0476.2	034.5	38.03
180.0	000.0149	0063.8	005.1	031.9	000.0025	0476.2	034.5	38.04
181.0	000.0146	0063.9	005.1	031.7	000.0025	0476.2	034.5	38.05

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
182.0	000.0142	0064.0	005.1	031.6	000.0025	0476.2	034.5	38.06
183.0	000.0139	0064.1	005.1	031.4	000.0025	0470.0	034.5	37.95
184.0	000.0136	0064.1	005.0	031.3	000.0025	0470.0	034.4	37.96
185.0	000.0133	0064.0	005.0	031.1	000.0025	0470.0	034.4	37.96
186.0	000.0130	0063.9	005.0	031.0	000.0025	0470.0	034.4	37.97
187.0	000.0127	0063.8	004.9	030.8	000.0025	0470.0	034.4	37.97
188.0	000.0124	0063.7	004.9	030.7	000.0025	0470.0	034.4	37.97
189.0	000.0121	0063.8	004.9	030.5	000.0025	0470.0	034.4	37.98
190.0	000.0118	0063.9	004.9	030.4	000.0025	0464.2	034.4	37.87
191.0	000.0116	0064.1	004.8	030.2	000.0025	0464.2	034.4	37.87
192.0	000.0113	0064.3	004.8	030.1	000.0025	0464.2	034.4	37.88
193.0	000.0111	0064.6	004.8	030.0	000.0025	0464.2	034.4	37.89
194.0	000.0109	0065.0	004.8	029.8	000.0025	0464.2	034.3	37.92
195.0	000.0107	0065.3	004.8	029.7	000.0025	0464.2	034.3	37.95
196.0	000.0105	0065.7	004.8	029.5	000.0025	0464.2	034.3	37.98
197.0	000.0103	0066.2	004.8	029.4	000.0026	0458.5	034.3	37.89
198.0	000.0101	0066.6	004.8	029.3	000.0026	0458.5	034.3	37.92
199.0	000.0099	0067.1	004.8	029.1	000.0026	0458.5	034.3	37.95
200.0	000.0097	0067.6	004.7	029.0	000.0026	0458.5	034.3	37.97
201.0	000.0097	0068.0	004.8	028.9	000.0026	0458.5	034.3	38.00
202.0	000.0097	0068.4	004.8	028.7	000.0026	0458.5	034.2	38.03
203.0	000.0097	0068.8	004.8	028.6	000.0026	0458.5	034.2	38.07
204.0	000.0097	0069.1	004.8	028.4	000.0026	0452.6	034.2	37.98
205.0	000.0097	0069.4	004.8	028.3	000.0027	0452.6	034.2	38.01
206.0	000.0097	0069.7	004.8	028.2	000.0027	0452.6	034.2	38.04
207.0	000.0097	0069.9	004.8	028.0	000.0027	0452.6	034.2	38.07
208.0	000.0097	0070.2	004.8	027.9	000.0027	0452.6	034.2	38.09
209.0	000.0097	0070.3	004.8	027.7	000.0027	0452.6	034.1	38.11
210.0	000.0097	0070.5	004.8	027.6	000.0027	0452.6	034.1	38.14
211.0	000.0099	0070.6	004.9	027.5	000.0027	0446.8	034.1	38.05
212.0	000.0101	0070.8	004.9	027.3	000.0028	0446.8	034.1	38.09
213.0	000.0103	0070.9	004.9	027.2	000.0028	0446.8	034.1	38.12
214.0	000.0105	0071.0	005.0	027.0	000.0028	0446.8	034.1	38.15
215.0	000.0107	0071.1	005.0	026.9	000.0028	0446.8	034.0	38.18
216.0	000.0109	0071.1	005.0	026.7	000.0028	0446.8	034.0	38.21
217.0	000.0111	0071.1	005.0	026.6	000.0028	0446.8	034.0	38.24
218.0	000.0113	0071.1	005.1	026.4	000.0028	0443.0	034.0	38.18
219.0	000.0116	0071.1	005.1	026.3	000.0029	0443.0	034.0	38.21
220.0	000.0118	0071.0	005.1	026.1	000.0029	0443.0	034.0	38.23
221.0	000.0120	0070.9	005.1	026.0	000.0029	0443.0	034.0	38.25
222.0	000.0122	0070.9	005.2	025.8	000.0029	0443.0	034.0	38.28
223.0	000.0124	0071.0	005.2	025.6	000.0029	0443.0	034.0	38.30
224.0	000.0127	0070.9	005.2	025.5	000.0029	0441.4	034.0	38.28
225.0	000.0129	0070.7	005.2	025.3	000.0029	0441.4	034.0	38.30
226.0	000.0131	0070.2	005.2	025.2	000.0030	0441.4	034.1	38.31
227.0	000.0134	0069.4	005.2	025.0	000.0030	0441.4	034.1	38.31
228.0	000.0136	0068.4	005.2	024.9	000.0030	0441.4	034.1	38.31
229.0	000.0138	0067.2	005.2	024.8	000.0030	0441.4	034.2	38.30
230.0	000.0141	0066.1	005.2	024.7	000.0030	0441.4	034.2	38.29
231.0	000.0145	0065.1	005.2	024.5	000.0030	0441.4	034.3	38.29
232.0	000.0149	0064.1	005.2	024.4	000.0030	0439.6	034.3	38.25

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
233.0	000.0153	0063.3	005.2		024.3	000.0031	0439.6	034.4	38.26
234.0	000.0157	0062.5	005.2		024.1	000.0031	0439.6	034.4	38.26
235.0	000.0162	0062.0	005.2		024.0	000.0031	0439.6	034.4	38.26
236.0	000.0166	0061.9	005.2		023.8	000.0031	0439.6	034.5	38.27
237.0	000.0170	0062.4	005.3		023.7	000.0031	0439.6	034.5	38.30
238.0	000.0175	0063.6	005.3		023.5	000.0031	0436.1	034.5	38.25
239.0	000.0179	0065.1	005.4		023.2	000.0032	0436.1	034.4	38.29
240.0	000.0184	0066.6	005.5		023.0	000.0032	0436.1	034.4	38.33
241.0	000.0190	0068.1	005.6		022.8	000.0032	0436.1	034.4	38.37
242.0	000.0197	0069.5	005.7		022.6	000.0032	0436.1	034.4	38.41
243.0	000.0204	0070.6	005.8		022.3	000.0033	0431.4	034.4	38.34
244.0	000.0211	0071.3	005.9		022.1	000.0033	0431.4	034.4	38.36
245.0	000.0218	0071.7	005.9		021.9	000.0033	0431.4	034.4	38.38
246.0	000.0225	0071.8	006.0		021.8	000.0033	0431.4	034.5	38.38
247.0	000.0232	0071.9	006.0		021.6	000.0033	0431.4	034.5	38.39
248.0	000.0239	0071.9	006.1		021.4	000.0033	0426.9	034.5	38.29
249.0	000.0247	0071.9	006.1		021.2	000.0034	0426.9	034.6	38.29
250.0	000.0254	0071.9	006.2		021.1	000.0034	0426.9	034.6	38.29
251.0	000.0262	0071.9	006.2		020.9	000.0034	0426.9	034.7	38.29
252.0	000.0269	0071.9	006.3		020.7	000.0034	0426.9	034.7	38.29
253.0	000.0277	0071.9	006.3		020.5	000.0034	0426.9	034.8	38.28
254.0	000.0285	0071.9	006.4		020.4	000.0035	0423.8	034.9	38.20
255.0	000.0293	0071.9	006.4		020.2	000.0035	0423.8	034.9	38.19
256.0	000.0301	0071.9	006.4		020.1	000.0035	0423.8	035.0	38.18
257.0	000.0310	0071.9	006.5		019.9	000.0035	0423.8	035.1	38.15
258.0	000.0318	0071.9	006.5		019.7	000.0035	0423.8	035.1	38.11
259.0	000.0327	0071.9	006.6		019.6	000.0035	0423.8	035.2	38.06
260.0	000.0335	0071.3	006.6		019.5	000.0035	0421.4	035.3	37.95
261.0	000.0358	0068.1	006.5		019.4	000.0035	0421.4	035.4	37.89
262.0	000.0382	0064.4	006.5		019.5	000.0035	0421.4	035.6	37.83
263.0	000.0406	0060.7	006.4		019.5	000.0035	0421.4	035.7	37.77
264.0	000.0431	0058.8	006.4		019.4	000.0035	0421.4	035.8	37.72
265.0	000.0456	0061.1	006.6		019.0	000.0035	0421.4	035.8	37.69
266.0	000.0483	0063.4	006.8		018.7	000.0034	0421.4	035.8	37.65
267.0	000.0510	0065.7	007.0		018.3	000.0034	0416.8	035.9	37.50
268.0	000.0538	0067.4	007.2		017.9	000.0034	0416.8	035.9	37.46



**KLSI(New) v KOHL****KLSINew**

Modify BPED19981006MF

Latitude: 37-33-44 N

Longitude: 122-28-46 W

ERP: 0.008 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 581.0 m

HAAT: 498.39 m

Horiz. Pattern: Directional

Vert. Pattern: No

**KOHL**

BLED19930503KA

Latitude: 37-32-14 N

Longitude: 121-54-14 W

ERP: 0.145 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 329.0 m

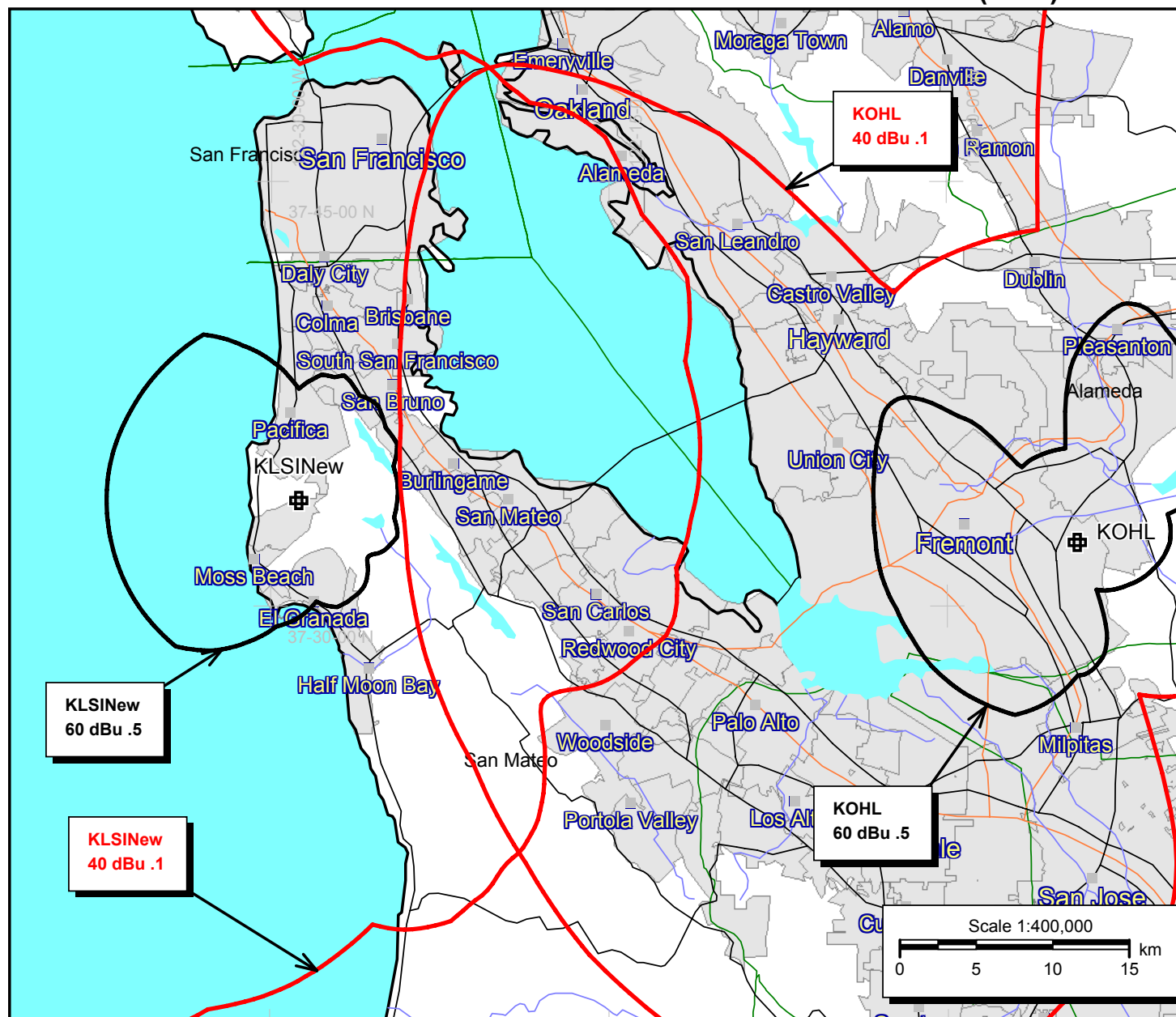
HAAT: 124.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

**12/28/2005**

**V**  
 Doug Vernier  
 721 West 1st Street, Suite A  
 Cedar Falls, Iowa 50613  
 Telecommunications Consultants



KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Protected

60 dBu

KOHL BLED19930503KA

Channel = 207A

Max ERP = 0.145 kW

RCAMSL = 329 M

N. Lat = 37 32 14

W. Lng = 121 54 14

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
033.0	000.0025	0482.2	008.0	281.8	000.0349	0292.1	047.4	39.07
034.0	000.0025	0487.1	008.0	281.7	000.0349	0292.1	047.3	39.12
035.0	000.0025	0490.2	008.1	281.7	000.0348	0292.1	047.2	39.17
036.0	000.0025	0491.9	008.1	281.6	000.0348	0292.1	047.0	39.22
037.0	000.0025	0493.1	008.1	281.5	000.0347	0292.1	046.9	39.26
038.0	000.0025	0493.7	008.1	281.5	000.0346	0293.1	046.8	39.34
039.0	000.0025	0493.8	008.1	281.4	000.0346	0293.1	046.6	39.38
040.0	000.0025	0493.4	008.1	281.3	000.0345	0293.1	046.5	39.42
041.0	000.0024	0492.7	008.0	281.1	000.0344	0293.1	046.4	39.44
042.0	000.0024	0492.0	007.9	281.0	000.0342	0293.1	046.4	39.46
043.0	000.0023	0491.2	007.9	280.8	000.0341	0293.1	046.3	39.47
044.0	000.0023	0490.6	007.8	280.7	000.0340	0293.1	046.2	39.49
045.0	000.0022	0490.2	007.7	280.5	000.0338	0294.0	046.1	39.53
046.0	000.0022	0490.0	007.7	280.3	000.0337	0294.0	046.0	39.54
047.0	000.0021	0490.1	007.6	280.2	000.0335	0294.0	046.0	39.55
048.0	000.0021	0490.4	007.5	280.0	000.0334	0294.0	045.9	39.56
049.0	000.0020	0490.8	007.5	279.8	000.0333	0294.0	045.9	39.57
050.0	000.0020	0491.2	007.4	279.7	000.0332	0294.0	045.8	39.58
051.0	000.0020	0491.7	007.4	279.6	000.0332	0294.0	045.7	39.62
052.0	000.0020	0492.2	007.4	279.4	000.0331	0294.8	045.6	39.68
053.0	000.0020	0492.7	007.4	279.3	000.0331	0294.8	045.5	39.71
054.0	000.0020	0493.1	007.4	279.2	000.0330	0294.8	045.4	39.74
055.0	000.0020	0493.6	007.4	279.1	000.0330	0294.8	045.3	39.77
056.0	000.0020	0493.9	007.4	279.0	000.0329	0294.8	045.2	39.80
057.0	000.0020	0494.1	007.4	278.9	000.0329	0294.8	045.1	39.83
058.0	000.0020	0494.1	007.4	278.7	000.0328	0294.8	045.1	39.86
059.0	000.0020	0493.9	007.4	278.6	000.0327	0294.8	045.0	39.88
060.0	000.0020	0493.7	007.4	278.5	000.0327	0295.6	044.9	39.93
061.0	000.0019	0493.3	007.3	278.3	000.0326	0295.6	044.9	39.93
062.0	000.0019	0492.9	007.3	278.1	000.0325	0295.6	044.9	39.92
063.0	000.0018	0492.4	007.2	277.9	000.0324	0295.6	044.9	39.91
064.0	000.0018	0491.8	007.1	277.7	000.0323	0295.6	044.9	39.90
065.0	000.0017	0491.0	007.0	277.5	000.0322	0295.6	044.9	39.89
066.0	000.0017	0489.7	006.9	277.3	000.0321	0296.4	044.9	39.89
067.0	000.0016	0488.0	006.8	277.2	000.0320	0296.4	044.9	39.88
068.0	000.0016	0485.8	006.8	277.0	000.0319	0296.4	044.9	39.86
069.0	000.0015	0483.4	006.7	276.8	000.0319	0296.4	044.9	39.84

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
070.0	000.0015	0481.2	006.6	276.6	000.0318	0296.4	045.0	39.81
071.0	000.0015	0479.2	006.6	276.5	000.0317	0297.2	044.9	39.84
072.0	000.0015	0477.7	006.6	276.3	000.0316	0297.2	044.9	39.85
073.0	000.0015	0476.7	006.6	276.2	000.0316	0297.2	044.8	39.86
074.0	000.0015	0476.2	006.6	276.1	000.0315	0297.2	044.8	39.87
075.0	000.0015	0475.8	006.6	275.9	000.0314	0297.2	044.7	39.88
076.0	000.0015	0475.4	006.6	275.8	000.0314	0297.2	044.7	39.88
077.0	000.0015	0474.9	006.6	275.6	000.0313	0297.2	044.7	39.89
078.0	000.0015	0474.0	006.5	275.5	000.0312	0298.0	044.6	39.92
079.0	000.0015	0472.6	006.5	275.3	000.0312	0298.0	044.6	39.92
080.0	000.0015	0470.9	006.5	275.2	000.0311	0298.0	044.6	39.92
081.0	000.0015	0469.0	006.5	275.1	000.0310	0298.0	044.6	39.92
082.0	000.0015	0466.9	006.5	274.9	000.0310	0298.0	044.6	39.91
083.0	000.0015	0464.6	006.5	274.8	000.0309	0298.0	044.5	39.91
084.0	000.0015	0462.1	006.5	274.6	000.0308	0298.0	044.5	39.91
085.0	000.0015	0459.3	006.5	274.5	000.0308	0298.5	044.5	39.91
086.0	000.0015	0457.3	006.5	274.3	000.0307	0298.5	044.5	39.91
087.0	000.0015	0455.4	006.5	274.2	000.0306	0298.5	044.5	39.90
088.0	000.0015	0452.7	006.5	274.0	000.0306	0298.5	044.5	39.89
089.0	000.0015	0449.6	006.4	273.9	000.0305	0298.5	044.5	39.88
090.0	000.0015	0446.4	006.4	273.7	000.0304	0298.5	044.5	39.87
091.0	000.0015	0443.2	006.4	273.6	000.0304	0298.5	044.5	39.86
092.0	000.0015	0440.0	006.4	273.5	000.0303	0298.9	044.5	39.85
093.0	000.0015	0437.4	006.4	273.3	000.0302	0298.9	044.5	39.84
094.0	000.0015	0435.7	006.4	273.2	000.0302	0298.9	044.6	39.83
095.0	000.0015	0434.2	006.4	273.0	000.0301	0298.9	044.6	39.81
096.0	000.0015	0432.1	006.4	272.9	000.0300	0298.9	044.6	39.80
097.0	000.0015	0428.8	006.4	272.7	000.0300	0298.9	044.6	39.78
098.0	000.0015	0425.8	006.3	272.6	000.0299	0298.9	044.6	39.76
099.0	000.0015	0423.1	006.3	272.5	000.0298	0299.2	044.6	39.75
100.0	000.0015	0420.3	006.3	272.3	000.0298	0299.2	044.7	39.73
101.0	000.0015	0418.2	006.4	272.2	000.0297	0299.2	044.6	39.74
102.0	000.0016	0416.3	006.4	272.0	000.0296	0299.2	044.6	39.75
103.0	000.0016	0413.4	006.5	271.8	000.0296	0299.2	044.6	39.75
104.0	000.0017	0410.5	006.6	271.7	000.0295	0299.2	044.5	39.75
105.0	000.0017	0408.1	006.6	271.5	000.0294	0299.2	044.5	39.76
106.0	000.0018	0405.2	006.7	271.4	000.0293	0300.3	044.5	39.79
107.0	000.0018	0401.5	006.7	271.2	000.0293	0300.3	044.4	39.79
108.0	000.0019	0396.4	006.8	271.0	000.0292	0300.3	044.4	39.78
109.0	000.0019	0390.5	006.8	270.9	000.0291	0300.3	044.4	39.77
110.0	000.0020	0384.3	006.9	270.7	000.0290	0300.3	044.4	39.76
111.0	000.0020	0378.2	006.8	270.6	000.0290	0300.3	044.5	39.72
112.0	000.0020	0371.3	006.8	270.5	000.0289	0301.5	044.6	39.71
113.0	000.0020	0363.7	006.7	270.3	000.0289	0301.5	044.7	39.67
114.0	000.0020	0356.9	006.7	270.2	000.0288	0301.5	044.7	39.63
115.0	000.0020	0350.9	006.7	270.1	000.0288	0301.5	044.8	39.58
116.0	000.0020	0345.7	006.6	270.0	000.0287	0301.5	044.9	39.54
117.0	000.0020	0341.0	006.6	269.9	000.0287	0301.5	045.0	39.50
118.0	000.0020	0335.4	006.6	269.8	000.0286	0301.5	045.1	39.46
119.0	000.0020	0329.3	006.5	269.7	000.0286	0301.5	045.2	39.42
120.0	000.0020	0322.6	006.5	269.6	000.0286	0301.5	045.3	39.37

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
121.0	000.0020	0314.8	006.4	269.5	000.0285	0302.7	045.4	39.36
122.0	000.0020	0305.6	006.4	269.4	000.0285	0302.7	045.5	39.31
123.0	000.0020	0295.4	006.3	269.3	000.0285	0302.7	045.6	39.26
124.0	000.0020	0284.5	006.2	269.3	000.0285	0302.7	045.8	39.20
125.0	000.0020	0273.6	006.1	269.3	000.0285	0302.7	045.9	39.13
126.0	000.0020	0264.3	006.0	269.2	000.0285	0302.7	046.0	39.08
127.0	000.0020	0257.5	005.9	269.2	000.0285	0302.7	046.2	39.03
128.0	000.0020	0253.3	005.9	269.1	000.0284	0302.7	046.3	38.98
129.0	000.0020	0251.8	005.8	269.0	000.0284	0302.7	046.3	38.95
130.0	000.0020	0253.6	005.9	268.9	000.0284	0302.7	046.4	38.92
131.0	000.0020	0258.9	005.9	268.8	000.0283	0302.7	046.4	38.91
132.0	000.0020	0267.0	006.0	268.6	000.0283	0302.7	046.4	38.90
133.0	000.0021	0277.2	006.2	268.4	000.0282	0303.7	046.4	38.92
134.0	000.0021	0288.7	006.3	268.2	000.0281	0303.7	046.4	38.92
135.0	000.0021	0300.1	006.4	268.0	000.0281	0303.7	046.4	38.91
136.0	000.0021	0310.9	006.5	267.8	000.0280	0303.7	046.4	38.89
137.0	000.0021	0321.1	006.6	267.6	000.0279	0303.7	046.4	38.87
138.0	000.0021	0331.3	006.7	267.4	000.0279	0304.3	046.4	38.87
139.0	000.0022	0341.7	006.8	267.3	000.0278	0304.3	046.5	38.85
140.0	000.0022	0351.9	006.9	267.1	000.0278	0304.3	046.5	38.82
141.0	000.0022	0362.0	006.9	266.9	000.0277	0304.3	046.6	38.79
142.0	000.0022	0372.1	007.0	266.8	000.0277	0304.3	046.6	38.76
143.0	000.0022	0381.8	007.1	266.6	000.0276	0304.3	046.7	38.72
144.0	000.0022	0389.3	007.1	266.5	000.0276	0304.3	046.8	38.69
145.0	000.0022	0395.2	007.1	266.4	000.0276	0305.0	046.9	38.66
146.0	000.0022	0400.9	007.2	266.3	000.0275	0305.0	047.0	38.62
147.0	000.0022	0406.7	007.2	266.2	000.0275	0305.0	047.1	38.58
148.0	000.0022	0410.3	007.2	266.1	000.0275	0305.0	047.2	38.53
149.0	000.0022	0412.1	007.2	266.0	000.0274	0305.0	047.3	38.49
150.0	000.0022	0414.8	007.3	265.9	000.0274	0305.0	047.4	38.44
151.0	000.0022	0420.8	007.3	265.8	000.0274	0305.0	047.5	38.39
152.0	000.0021	0429.8	007.3	265.7	000.0274	0305.0	047.6	38.35
153.0	000.0021	0439.4	007.3	265.6	000.0273	0305.0	047.7	38.30

KOHL BLED19930503KA  
 Channel = 207A  
 Max ERP = 0.145 kW  
 RCAMSL = 329 M  
 N. Lat = 37 32 14  
 W. Lng = 121 54 14  
 Protected  
 60 dBu

KLSI.C  
 Channel = 207A  
 Max ERP = 0.008 kW  
 RCAMSL = 581 M  
 N. Lat = 37 33 44  
 W. Lng = 122 28 46  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
213.0	000.0191	0317.6	012.2	106.3	000.0018	0405.2	046.1	30.05
214.0	000.0192	0317.8	012.2	106.3	000.0018	0405.2	045.9	30.12
215.0	000.0193	0318.1	012.3	106.2	000.0018	0405.2	045.7	30.20
216.0	000.0194	0318.3	012.3	106.1	000.0018	0405.2	045.5	30.28
217.0	000.0195	0318.4	012.3	106.1	000.0018	0405.2	045.3	30.35
218.0	000.0196	0318.5	012.3	106.0	000.0018	0405.2	045.1	30.42
219.0	000.0197	0318.5	012.3	105.9	000.0018	0405.2	044.9	30.50
220.0	000.0199	0318.4	012.4	105.8	000.0018	0405.2	044.7	30.57
221.0	000.0200	0318.3	012.4	105.7	000.0018	0405.2	044.5	30.64
222.0	000.0201	0318.1	012.4	105.6	000.0018	0405.2	044.3	30.70
223.0	000.0202	0317.9	012.4	105.5	000.0018	0405.2	044.1	30.77
224.0	000.0203	0317.7	012.4	105.4	000.0018	0408.1	043.9	30.91
225.0	000.0204	0317.6	012.4	105.3	000.0018	0408.1	043.7	30.98
226.0	000.0205	0317.4	012.4	105.1	000.0017	0408.1	043.5	31.04
227.0	000.0206	0317.3	012.4	105.0	000.0017	0408.1	043.3	31.10
228.0	000.0207	0317.2	012.5	104.9	000.0017	0408.1	043.1	31.17
229.0	000.0208	0317.1	012.5	104.7	000.0017	0408.1	042.9	31.23
230.0	000.0209	0317.1	012.5	104.6	000.0017	0408.1	042.7	31.29
231.0	000.0209	0317.1	012.5	104.4	000.0017	0410.5	042.5	31.40
232.0	000.0209	0317.0	012.5	104.2	000.0017	0410.5	042.4	31.45
233.0	000.0209	0317.0	012.5	104.0	000.0017	0410.5	042.2	31.50
234.0	000.0209	0316.9	012.5	103.8	000.0017	0410.5	042.0	31.55
235.0	000.0209	0316.8	012.5	103.6	000.0017	0410.5	041.9	31.59
236.0	000.0209	0316.7	012.5	103.4	000.0017	0413.4	041.7	31.71
237.0	000.0209	0316.6	012.5	103.2	000.0017	0413.4	041.5	31.75
238.0	000.0209	0316.4	012.5	103.0	000.0016	0413.4	041.4	31.79
239.0	000.0209	0316.3	012.5	102.8	000.0016	0413.4	041.2	31.82
240.0	000.0209	0316.1	012.5	102.6	000.0016	0413.4	041.1	31.86
241.0	000.0210	0316.0	012.5	102.4	000.0016	0416.3	040.9	31.97
242.0	000.0212	0315.9	012.5	102.1	000.0016	0416.3	040.8	32.01
243.0	000.0213	0315.7	012.5	101.9	000.0016	0416.3	040.6	32.04
244.0	000.0214	0315.6	012.5	101.7	000.0016	0416.3	040.5	32.08
245.0	000.0215	0315.4	012.5	101.5	000.0016	0418.2	040.3	32.15
246.0	000.0216	0315.2	012.5	101.2	000.0016	0418.2	040.2	32.18

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
247.0	000.0217	0314.8	012.6	101.0	000.0015	0418.2	040.1	32.21
248.0	000.0218	0314.4	012.6	100.7	000.0015	0418.2	039.9	32.23
249.0	000.0219	0314.0	012.6	100.4	000.0015	0420.3	039.8	32.30
250.0	000.0221	0313.7	012.6	100.2	000.0015	0420.3	039.7	32.32
251.0	000.0224	0313.5	012.6	099.9	000.0015	0420.3	039.5	32.36
252.0	000.0227	0313.3	012.7	099.7	000.0015	0420.3	039.4	32.42
253.0	000.0231	0313.0	012.7	099.4	000.0015	0423.1	039.3	32.55
254.0	000.0234	0312.6	012.7	099.2	000.0015	0423.1	039.1	32.61
255.0	000.0238	0312.0	012.8	098.9	000.0015	0423.1	039.0	32.67
256.0	000.0241	0311.3	012.8	098.6	000.0015	0423.1	038.9	32.72
257.0	000.0245	0310.6	012.8	098.3	000.0015	0425.8	038.8	32.83
258.0	000.0249	0310.1	012.9	098.0	000.0015	0425.8	038.7	32.88
259.0	000.0252	0309.6	012.9	097.7	000.0015	0425.8	038.6	32.93
260.0	000.0256	0309.0	012.9	097.4	000.0015	0428.8	038.4	33.05
261.0	000.0259	0308.5	013.0	097.1	000.0015	0428.8	038.4	33.09
262.0	000.0262	0307.8	013.0	096.8	000.0015	0428.8	038.3	33.13
263.0	000.0265	0307.0	013.0	096.5	000.0015	0432.1	038.2	33.24
264.0	000.0268	0306.3	013.0	096.1	000.0015	0432.1	038.1	33.27
265.0	000.0271	0305.6	013.1	095.8	000.0015	0432.1	038.1	33.30
266.0	000.0274	0305.0	013.1	095.5	000.0015	0434.2	038.0	33.38
267.0	000.0278	0304.3	013.1	095.1	000.0015	0434.2	037.9	33.41
268.0	000.0281	0303.7	013.1	094.8	000.0015	0434.2	037.9	33.43
269.0	000.0284	0302.7	013.1	094.4	000.0015	0435.7	037.8	33.48
270.0	000.0287	0301.5	013.2	094.1	000.0015	0435.7	037.8	33.50
271.0	000.0292	0300.3	013.2	093.7	000.0015	0435.7	037.8	33.52
272.0	000.0296	0299.2	013.2	093.4	000.0015	0437.4	037.7	33.57
273.0	000.0301	0298.9	013.2	093.0	000.0015	0437.4	037.7	33.59
274.0	000.0305	0298.5	013.3	092.7	000.0015	0437.4	037.6	33.61
275.0	000.0310	0298.0	013.3	092.3	000.0015	0440.0	037.6	33.68
276.0	000.0315	0297.2	013.4	092.0	000.0015	0440.0	037.6	33.69
277.0	000.0320	0296.4	013.4	091.6	000.0015	0440.0	037.6	33.70
278.0	000.0324	0295.6	013.4	091.3	000.0015	0443.2	037.6	33.77
279.0	000.0329	0294.8	013.4	090.9	000.0015	0443.2	037.6	33.77
280.0	000.0334	0294.0	013.5	090.5	000.0015	0443.2	037.6	33.77
281.0	000.0342	0293.1	013.5	090.2	000.0015	0446.4	037.6	33.85
282.0	000.0351	0292.1	013.6	089.8	000.0015	0446.4	037.6	33.85
283.0	000.0360	0291.2	013.7	089.4	000.0015	0449.6	037.6	33.92
284.0	000.0368	0290.3	013.7	089.0	000.0015	0449.6	037.6	33.92
285.0	000.0377	0289.5	013.8	088.7	000.0015	0449.6	037.6	33.92
286.0	000.0386	0288.8	013.8	088.3	000.0015	0452.7	037.6	33.98
287.0	000.0395	0288.1	013.9	087.9	000.0015	0452.7	037.6	33.97
288.0	000.0404	0287.4	013.9	087.5	000.0015	0452.7	037.6	33.96
289.0	000.0413	0286.7	014.0	087.1	000.0015	0455.4	037.6	34.00
290.0	000.0423	0285.9	014.1	086.8	000.0015	0455.4	037.7	33.98
291.0	000.0437	0285.1	014.2	086.4	000.0015	0457.3	037.7	34.01
292.0	000.0451	0284.1	014.2	086.0	000.0015	0457.3	037.7	34.00
293.0	000.0466	0282.9	014.3	085.6	000.0015	0457.3	037.8	33.98
294.0	000.0481	0281.7	014.4	085.2	000.0015	0459.3	037.8	34.00
295.0	000.0496	0280.5	014.5	084.8	000.0015	0459.3	037.9	33.98
296.0	000.0512	0279.4	014.6	084.4	000.0015	0462.1	037.9	34.01
297.0	000.0527	0278.2	014.6	084.0	000.0015	0462.1	038.0	33.98

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
298.0	000.0543	0277.0	014.7		083.6	000.0015	0462.1	038.1	33.94
299.0	000.0559	0275.5	014.8		083.2	000.0015	0464.6	038.2	33.95
300.0	000.0576	0273.7	014.8		082.9	000.0015	0464.6	038.3	33.90
301.0	000.0605	0271.7	015.0		082.5	000.0015	0466.9	038.3	33.92
302.0	000.0635	0269.1	015.1		082.0	000.0015	0466.9	038.4	33.89
303.0	000.0667	0265.9	015.1		081.7	000.0015	0466.9	038.5	33.84
304.0	000.0698	0261.9	015.2		081.3	000.0015	0469.0	038.7	33.83
305.0	000.0731	0257.1	015.2		081.0	000.0015	0469.0	038.8	33.76
306.0	000.0764	0251.3	015.2		080.7	000.0015	0469.0	039.0	33.67
307.0	000.0798	0244.6	015.2		080.5	000.0015	0470.9	039.2	33.62
308.0	000.0833	0236.9	015.1		080.3	000.0015	0470.9	039.5	33.51
309.0	000.0869	0228.2	015.0		080.2	000.0015	0470.9	039.8	33.39
310.0	000.0905	0218.1	014.8		080.1	000.0015	0470.9	040.1	33.26
311.0	000.0942	0205.4	014.5		080.2	000.0015	0470.9	040.5	33.09
312.0	000.0980	0190.5	014.1		080.4	000.0015	0470.9	040.9	32.91
313.0	000.1018	0174.7	013.7		080.7	000.0015	0469.0	041.3	32.68
314.0	000.1058	0159.0	013.2		081.1	000.0015	0469.0	041.9	32.47
315.0	000.1098	0142.8	012.5		081.6	000.0015	0466.9	042.4	32.19
316.0	000.1138	0125.9	011.9		082.1	000.0015	0466.9	043.0	31.96
317.0	000.1180	0111.5	011.3		082.6	000.0015	0464.6	043.5	31.71
318.0	000.1222	0101.4	010.9		082.8	000.0015	0464.6	043.9	31.55
319.0	000.1265	0091.9	010.5		083.1	000.0015	0464.6	044.3	31.39
320.0	000.1309	0078.6	009.8		083.7	000.0015	0462.1	044.8	31.12
321.0	000.1322	0062.4	008.8		084.7	000.0015	0459.3	045.5	30.78
322.0	000.1336	0046.8	007.5		085.9	000.0015	0457.3	046.3	30.41
323.0	000.1350	0034.0	006.4		087.0	000.0015	0455.4	047.0	30.09
324.0	000.1364	0023.9	006.1		087.2	000.0015	0455.4	047.3	29.98
325.0	000.1378	0016.0	006.1		087.1	000.0015	0455.4	047.4	29.95
326.0	000.1393	0010.2	006.1		087.0	000.0015	0455.4	047.5	29.92
327.0	000.1407	0007.1	006.1		087.0	000.0015	0455.4	047.6	29.89
328.0	000.1421	0006.7	006.2		086.9	000.0015	0455.4	047.6	29.86
329.0	000.1436	0007.8	006.2		086.8	000.0015	0455.4	047.7	29.82
330.0	000.1450	0008.3	006.2		086.7	000.0015	0455.4	047.8	29.79
331.0	000.1450	0007.8	006.2		086.7	000.0015	0455.4	047.9	29.75
332.0	000.1450	0009.0	006.2		086.6	000.0015	0455.4	048.0	29.72
333.0	000.1450	0013.7	006.2		086.6	000.0015	0455.4	048.1	29.68

**KLSI(New) v KPOO****KLSINew**

Modify BPED19981006MF

Latitude: 37-33-44 N

Longitude: 122-28-46 W

ERP: 0.008 kW

Channel: 207

Frequency: 89.3 MHz

AMSL Height: 581.0 m

HAAT: 498.39 m

Horiz. Pattern: Directional

Vert. Pattern: No

**KPOO**

BLED19800304AC

Latitude: 37-47-33 N

Longitude: 122-24-52 W

ERP: 0.27 kW

Channel: 208

Frequency: 89.5 MHz

AMSL Height: 188.0 m

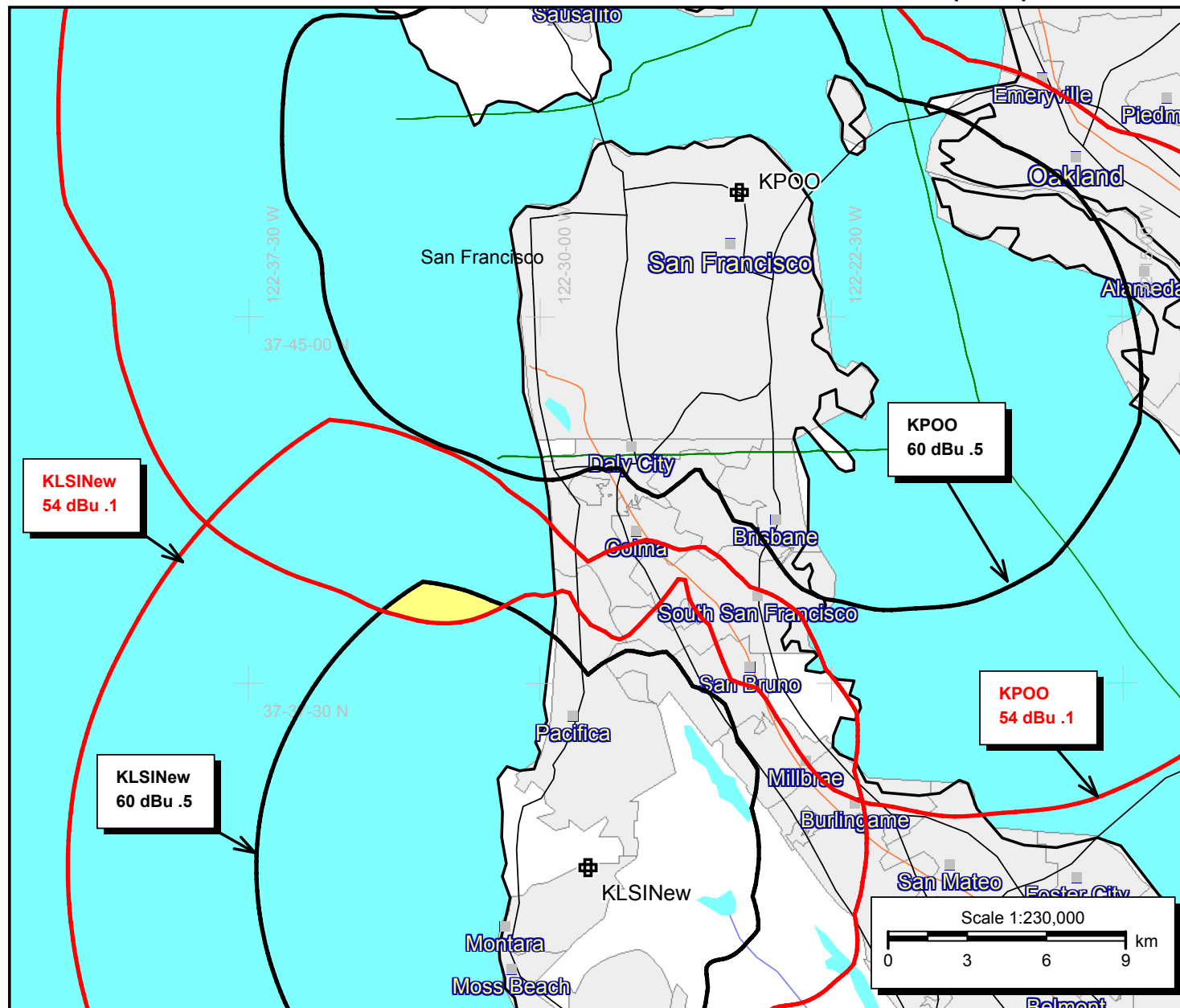
HAAT: 165.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

**12/28/2005**

**V** Doug Vernier  
721 West 1st Street, Suite A  
Cedar Falls, Iowa 50613  
Telecommunications Consultants





KLSI.C

Channel = 207A

Max ERP = 0.008 kW

RCAMSL = 581 M

N. Lat = 37 33 44

W. Lng = 122 28 46

Protected

60 dBu

KPOO BLED19800304AC

Channel = 208A

Max ERP = 0.27 kW

RCAMSL = 188 M

N. Lat = 37 47 33

W. Lng = 122 24 52

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
313.0	000.0080	0569.7	012.4	220.9	000.2441	0117.7	022.6	52.68
314.0	000.0080	0569.7	012.4	220.9	000.2441	0117.7	022.4	52.84
315.0	000.0080	0569.8	012.4	220.8	000.2441	0117.7	022.2	53.00
316.0	000.0080	0570.0	012.4	220.8	000.2441	0117.7	022.0	53.17
317.0	000.0080	0570.3	012.4	220.7	000.2441	0117.7	021.7	53.33
318.0	000.0080	0570.6	012.4	220.7	000.2440	0117.7	021.5	53.50
319.0	000.0080	0571.1	012.4	220.6	000.2440	0117.7	021.3	53.67
320.0	000.0080	0571.5	012.5	220.5	000.2440	0117.7	021.1	53.83
321.0	000.0080	0572.0	012.5	220.4	000.2439	0116.2	020.9	53.89
322.0	000.0080	0572.5	012.5	220.3	000.2439	0116.2	020.7	54.06**
323.0	000.0080	0572.9	012.5	220.2	000.2438	0116.2	020.5	54.23**
324.0	000.0080	0573.3	012.5	220.1	000.2437	0116.2	020.2	54.39**
325.0	000.0080	0573.7	012.5	220.0	000.2436	0116.2	020.0	54.56**
326.0	000.0080	0574.1	012.5	219.8	000.2435	0116.2	019.8	54.73**
327.0	000.0080	0574.5	012.5	219.6	000.2433	0116.2	019.6	54.89**
328.0	000.0080	0574.8	012.5	219.4	000.2431	0114.8	019.4	54.94**
329.0	000.0080	0575.0	012.5	219.2	000.2429	0114.8	019.2	55.10**
330.0	000.0080	0575.2	012.5	219.0	000.2427	0114.8	019.0	55.27**
331.0	000.0077	0575.3	012.3	218.3	000.2420	0113.4	018.8	55.27**
332.0	000.0074	0575.4	012.2	217.6	000.2412	0113.4	018.7	55.36**
333.0	000.0070	0575.4	012.0	216.9	000.2405	0112.1	018.6	55.34**
334.0	000.0067	0575.3	011.8	216.1	000.2397	0110.7	018.5	55.30**
335.0	000.0064	0575.2	011.7	215.4	000.2389	0108.9	018.4	55.22**
336.0	000.0061	0575.0	011.5	214.6	000.2381	0108.9	018.3	55.28**
337.0	000.0059	0574.7	011.3	213.8	000.2373	0106.8	018.2	55.16**
338.0	000.0056	0574.3	011.1	212.9	000.2365	0104.5	018.2	55.00**
339.0	000.0053	0573.8	010.9	212.1	000.2357	0101.7	018.1	54.77**
340.0	000.0050	0573.1	010.8	211.3	000.2348	0098.3	018.1	54.48**
341.0	000.0048	0572.3	010.6	210.5	000.2341	0098.3	018.0	54.50**
342.0	000.0046	0571.2	010.5	209.8	000.2328	0094.5	018.0	54.15**
343.0	000.0044	0569.8	010.3	209.0	000.2305	0090.7	018.0	53.75
344.0	000.0043	0568.2	010.1	208.2	000.2282	0087.8	018.0	53.43
345.0	000.0041	0566.4	010.0	207.5	000.2260	0086.8	018.0	53.27
346.0	000.0039	0564.3	009.8	206.7	000.2237	0086.8	018.0	53.22
347.0	000.0037	0562.1	009.6	205.9	000.2214	0086.7	018.0	53.15
348.0	000.0035	0559.7	009.4	205.2	000.2192	0085.5	018.0	52.95
349.0	000.0034	0556.9	009.3	204.4	000.2170	0083.8	018.1	52.69

\*\* Contour overlap entirely over water.

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
350.0	000.0032	0553.8	009.1	203.7	000.2149	0083.8	018.1	52.60
351.0	000.0031	0550.3	008.9	203.0	000.2130	0084.1	018.2	52.55
352.0	000.0029	0545.0	008.8	202.3	000.2110	0086.6	018.2	52.73
353.0	000.0028	0534.9	008.6	201.7	000.2091	0086.6	018.3	52.62
354.0	000.0027	0520.6	008.4	201.0	000.2071	0089.3	018.4	52.77
355.0	000.0026	0504.9	008.2	200.3	000.2051	0091.2	018.5	52.83
356.0	000.0024	0492.5	008.0	199.6	000.2040	0091.2	018.7	52.71
357.0	000.0023	0484.7	007.8	199.0	000.2035	0093.0	018.8	52.78
358.0	000.0022	0476.7	007.6	198.4	000.2029	0093.6	018.9	52.72
359.0	000.0021	0471.7	007.5	197.9	000.2024	0093.6	019.0	52.61
000.0	000.0020	0468.0	007.3	197.4	000.2019	0094.1	019.1	52.57
001.0	000.0021	0464.4	007.4	197.1	000.2017	0094.1	019.0	52.67
002.0	000.0022	0460.4	007.5	196.8	000.2014	0094.1	018.9	52.78
003.0	000.0023	0458.1	007.6	196.5	000.2011	0094.1	018.7	52.89
004.0	000.0024	0455.2	007.7	196.2	000.2008	0095.4	018.6	53.11
005.0	000.0025	0450.8	007.8	195.8	000.2005	0095.4	018.5	53.21
006.0	000.0026	0445.2	007.9	195.5	000.2001	0095.7	018.3	53.32
007.0	000.0027	0442.0	008.0	195.1	000.1998	0095.7	018.2	53.41
008.0	000.0028	0441.1	008.1	194.7	000.1994	0095.7	018.1	53.51
009.0	000.0029	0439.8	008.2	194.3	000.1990	0093.7	018.0	53.40
010.0	000.0030	0438.4	008.3	193.8	000.1986	0093.7	017.9	53.49
011.0	000.0030	0435.1	008.4	193.4	000.1982	0089.8	017.8	53.12
012.0	000.0031	0430.3	008.4	192.9	000.1977	0089.8	017.8	53.13
013.0	000.0031	0424.0	008.4	192.4	000.1973	0085.9	017.8	52.72
014.0	000.0032	0418.9	008.4	192.0	000.1969	0085.9	017.8	52.71
015.0	000.0032	0412.7	008.4	191.5	000.1965	0082.5	017.8	52.34
016.0	000.0033	0408.8	008.4	191.0	000.1960	0082.5	017.8	52.33
017.0	000.0033	0410.6	008.4	190.5	000.1956	0082.5	017.8	52.36
018.0	000.0034	0416.8	008.5	190.0	000.1951	0078.5	017.7	51.98
019.0	000.0034	0421.4	008.6	189.5	000.1951	0078.5	017.6	52.03
020.0	000.0035	0423.8	008.7	189.0	000.1951	0075.7	017.6	51.74
021.0	000.0034	0426.9	008.6	188.6	000.1951	0075.7	017.7	51.65
022.0	000.0033	0431.4	008.6	188.1	000.1951	0075.5	017.8	51.56
023.0	000.0032	0436.1	008.5	187.7	000.1951	0075.5	017.9	51.48
024.0	000.0031	0439.6	008.4	187.3	000.1951	0080.0	018.0	51.88
025.0	000.0030	0441.4	008.3	187.0	000.1951	0080.0	018.1	51.77
026.0	000.0029	0443.0	008.2	186.6	000.1951	0080.0	018.3	51.66
027.0	000.0028	0446.8	008.2	186.3	000.1951	0083.0	018.4	51.88
028.0	000.0027	0452.6	008.1	186.0	000.1951	0083.0	018.5	51.78
029.0	000.0026	0458.5	008.0	185.7	000.1951	0083.0	018.6	51.67
030.0	000.0025	0464.2	007.9	185.4	000.1951	0085.5	018.8	51.83
031.0	000.0025	0470.0	008.0	185.0	000.1951	0085.5	018.8	51.80
032.0	000.0025	0476.2	008.0	184.6	000.1951	0085.5	018.8	51.77
033.0	000.0025	0482.2	008.0	184.1	000.1951	0087.2	018.9	51.93
034.0	000.0025	0487.1	008.0	183.7	000.1951	0087.2	018.9	51.89
035.0	000.0025	0490.2	008.1	183.3	000.1951	0092.9	019.0	52.41
036.0	000.0025	0491.9	008.1	183.0	000.1951	0092.9	019.1	52.36
037.0	000.0025	0493.1	008.1	182.6	000.1951	0092.9	019.1	52.30
038.0	000.0025	0493.7	008.1	182.3	000.1951	0099.0	019.2	52.82
039.0	000.0025	0493.8	008.1	181.9	000.1951	0099.0	019.3	52.75
040.0	000.0025	0493.4	008.1	181.6	000.1951	0099.0	019.4	52.68

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
041.0	000.0024	0492.7	008.0		181.4	000.1951	0105.4	019.5	53.13
042.0	000.0024	0492.0	007.9		181.2	000.1951	0105.4	019.7	53.02
043.0	000.0023	0491.2	007.9		181.1	000.1951	0105.4	019.8	52.91
044.0	000.0023	0490.6	007.8		180.9	000.1951	0105.4	020.0	52.79
045.0	000.0022	0490.2	007.7		180.8	000.1951	0105.4	020.1	52.68
046.0	000.0022	0490.0	007.7		180.6	000.1951	0105.4	020.2	52.57
047.0	000.0021	0490.1	007.6		180.5	000.1951	0106.5	020.4	52.55
048.0	000.0021	0490.4	007.5		180.4	000.1951	0106.5	020.5	52.44
049.0	000.0020	0490.8	007.5		180.3	000.1951	0106.5	020.7	52.33
050.0	000.0020	0491.2	007.4		180.2	000.1951	0106.5	020.8	52.22
051.0	000.0020	0491.7	007.4		179.9	000.1951	0106.5	020.9	52.14
052.0	000.0020	0492.2	007.4		179.7	000.1952	0106.5	021.0	52.07
053.0	000.0020	0492.7	007.4		179.5	000.1953	0106.5	021.1	51.99
054.0	000.0020	0493.1	007.4		179.3	000.1954	0107.3	021.2	51.98
055.0	000.0020	0493.6	007.4		179.1	000.1955	0107.3	021.3	51.90
056.0	000.0020	0493.9	007.4		178.9	000.1956	0107.3	021.4	51.82
057.0	000.0020	0494.1	007.4		178.7	000.1957	0107.3	021.5	51.74
058.0	000.0020	0494.1	007.4		178.5	000.1957	0107.3	021.6	51.65
059.0	000.0020	0493.9	007.4		178.4	000.1958	0108.2	021.7	51.64
060.0	000.0020	0493.7	007.4		178.2	000.1959	0108.2	021.9	51.55
061.0	000.0019	0493.3	007.3		178.2	000.1959	0108.2	022.0	51.44
062.0	000.0019	0492.9	007.3		178.3	000.1959	0108.2	022.2	51.32
063.0	000.0018	0492.4	007.2		178.3	000.1959	0108.2	022.3	51.21
064.0	000.0018	0491.8	007.1		178.4	000.1958	0108.2	022.5	51.10
065.0	000.0017	0491.0	007.0		178.4	000.1958	0108.2	022.6	50.99
066.0	000.0017	0489.7	006.9		178.5	000.1958	0108.2	022.7	50.88
067.0	000.0016	0488.0	006.8		178.6	000.1957	0107.3	022.9	50.70
068.0	000.0016	0485.8	006.8		178.7	000.1957	0107.3	023.0	50.60
069.0	000.0015	0483.4	006.7		178.8	000.1956	0107.3	023.2	50.49
070.0	000.0015	0481.2	006.6		178.9	000.1956	0107.3	023.3	50.39
071.0	000.0015	0479.2	006.6		178.8	000.1956	0107.3	023.4	50.30
072.0	000.0015	0477.7	006.6		178.8	000.1956	0107.3	023.5	50.22
073.0	000.0015	0476.7	006.6		178.7	000.1957	0107.3	023.6	50.14

KPOO BLED19800304AC  
 Channel = 208A  
 Max ERP = 0.27 kW  
 RCAMSL = 188 M  
 N. Lat = 37 47 33  
 W. Lng = 122 24 52  
 Protected  
 60 dBu

KLSI.C  
 Channel = 207A  
 Max ERP = 0.008 kW  
 RCAMSL = 581 M  
 N. Lat = 37 33 44  
 W. Lng = 122 28 46  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
133.0	000.2514	0187.9	018.0	054.8	000.0020	0493.6	023.1	44.01
134.0	000.2540	0187.9	018.1	055.0	000.0020	0493.6	022.8	44.23
135.0	000.2567	0187.8	018.1	055.3	000.0020	0493.6	022.5	44.45
136.0	000.2593	0187.7	018.2	055.6	000.0020	0493.9	022.2	44.68
137.0	000.2620	0187.7	018.2	055.8	000.0020	0493.9	021.9	44.91
138.0	000.2646	0187.5	018.2	056.0	000.0020	0493.9	021.6	45.14
139.0	000.2673	0187.4	018.3	056.3	000.0020	0493.9	021.3	45.37
140.0	000.2700	0187.2	018.3	056.5	000.0020	0493.9	021.0	45.61
141.0	000.2684	0187.1	018.3	056.5	000.0020	0493.9	020.6	45.86
142.0	000.2668	0186.8	018.2	056.4	000.0020	0493.9	020.3	46.10
143.0	000.2652	0186.6	018.2	056.4	000.0020	0493.9	020.0	46.35
144.0	000.2636	0186.3	018.2	056.3	000.0020	0493.9	019.7	46.60
145.0	000.2620	0186.0	018.1	056.2	000.0020	0493.9	019.4	46.84
146.0	000.2604	0185.6	018.1	056.1	000.0020	0493.9	019.1	47.09
147.0	000.2588	0185.2	018.0	056.0	000.0020	0493.9	018.7	47.34
148.0	000.2572	0184.7	018.0	055.8	000.0020	0493.9	018.4	47.59
149.0	000.2556	0184.1	017.9	055.6	000.0020	0493.9	018.1	47.84
150.0	000.2540	0183.4	017.9	055.3	000.0020	0493.6	017.8	48.08
151.0	000.2514	0182.6	017.8	054.9	000.0020	0493.6	017.5	48.32
152.0	000.2488	0181.6	017.7	054.5	000.0020	0493.6	017.2	48.56
153.0	000.2462	0180.4	017.6	054.0	000.0020	0493.1	016.9	48.78
154.0	000.2437	0179.1	017.5	053.5	000.0020	0492.7	016.6	49.00
155.0	000.2411	0177.6	017.3	052.9	000.0020	0492.7	016.4	49.23
156.0	000.2386	0176.2	017.2	052.2	000.0020	0492.2	016.1	49.44
157.0	000.2360	0175.0	017.1	051.6	000.0020	0492.2	015.8	49.65
158.0	000.2335	0173.9	017.0	050.9	000.0020	0491.7	015.6	49.86
159.0	000.2310	0173.1	016.9	050.2	000.0020	0491.2	015.3	50.06
160.0	000.2285	0172.4	016.8	049.6	000.0020	0491.2	015.1	50.31
161.0	000.2256	0171.6	016.7	048.8	000.0021	0490.8	014.8	50.40
162.0	000.2226	0170.4	016.6	047.9	000.0021	0490.4	014.6	50.73
163.0	000.2197	0168.8	016.5	046.9	000.0021	0490.1	014.4	51.04
164.0	000.2168	0167.0	016.3	045.8	000.0022	0490.0	014.2	51.35
165.0	000.2139	0165.2	016.1	044.7	000.0023	0490.2	014.1	51.65
166.0	000.2110	0163.5	016.0	043.5	000.0023	0490.6	013.9	51.95

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
167.0	000.2081	0162.4	015.8	042.4	000.0024	0492.0	013.7	52.26
168.0	000.2053	0161.7	015.7	041.4	000.0024	0492.7	013.6	52.56
169.0	000.2025	0159.9	015.6	040.2	000.0025	0493.4	013.5	52.82
170.0	000.1997	0157.5	015.4	038.8	000.0025	0493.8	013.4	52.94
171.0	000.1992	0154.5	015.2	037.5	000.0025	0493.1	013.3	53.02
172.0	000.1988	0149.9	014.9	035.8	000.0025	0491.9	013.3	52.99
173.0	000.1983	0143.2	014.5	033.9	000.0025	0487.1	013.4	52.80
174.0	000.1978	0135.7	014.1	031.9	000.0025	0476.2	013.6	52.45
175.0	000.1974	0127.2	013.6	029.9	000.0025	0464.2	013.8	52.03
176.0	000.1969	0119.8	013.2	028.2	000.0027	0452.6	014.0	51.88
177.0	000.1965	0112.5	012.8	026.6	000.0028	0446.8	014.3	51.76
178.0	000.1960	0108.2	012.6	025.3	000.0029	0441.4	014.4	51.72
179.0	000.1955	0107.3	012.5	024.5	000.0030	0439.6	014.3	51.88
180.0	000.1951	0106.5	012.5	023.6	000.0031	0439.6	014.3	52.05
181.0	000.1951	0105.4	012.4	022.7	000.0032	0436.1	014.3	52.15
182.0	000.1951	0099.0	012.1	021.4	000.0034	0426.9	014.5	51.84
183.0	000.1951	0092.9	011.7	020.2	000.0035	0423.8	014.8	51.62
184.0	000.1951	0087.2	011.4	019.1	000.0035	0421.4	015.1	51.41
185.0	000.1951	0085.5	011.2	018.3	000.0034	0416.8	015.1	51.20
186.0	000.1951	0083.0	011.1	017.4	000.0034	0410.6	015.2	50.91
187.0	000.1951	0080.0	010.9	016.6	000.0033	0410.6	015.4	50.73
188.0	000.1951	0075.5	010.6	015.7	000.0033	0408.8	015.6	50.42
189.0	000.1951	0075.7	010.6	015.1	000.0032	0412.7	015.6	50.49
190.0	000.1951	0078.5	010.8	014.4	000.0032	0418.9	015.4	50.76
191.0	000.1960	0082.5	011.1	013.8	000.0032	0418.9	015.1	50.95
192.0	000.1969	0085.9	011.3	013.1	000.0032	0424.0	014.9	51.07
193.0	000.1978	0089.8	011.5	012.3	000.0031	0430.3	014.6	51.43
194.0	000.1988	0093.7	011.8	011.5	000.0031	0435.1	014.4	51.75
195.0	000.1997	0095.7	011.9	010.6	000.0030	0435.1	014.3	51.84
196.0	000.2006	0095.4	011.9	009.8	000.0030	0438.4	014.3	51.79
197.0	000.2016	0094.1	011.9	009.0	000.0029	0439.8	014.4	51.59
198.0	000.2025	0093.6	011.8	008.2	000.0028	0441.1	014.4	51.42
199.0	000.2034	0093.0	011.8	007.4	000.0027	0442.0	014.5	51.24
200.0	000.2044	0091.2	011.7	006.7	000.0027	0442.0	014.6	50.96
201.0	000.2072	0089.3	011.6	006.0	000.0026	0445.2	014.8	50.75
202.0	000.2100	0086.6	011.5	005.4	000.0025	0450.8	014.9	50.54
203.0	000.2129	0084.1	011.4	004.8	000.0025	0450.8	015.1	50.51
204.0	000.2158	0083.8	011.4	004.1	000.0024	0455.2	015.2	50.42
205.0	000.2187	0085.5	011.6	003.2	000.0023	0458.1	015.1	50.36
206.0	000.2216	0086.7	011.7	002.3	000.0022	0460.4	015.1	50.27
207.0	000.2246	0086.8	011.7	001.6	000.0022	0460.4	015.1	50.09
208.0	000.2275	0087.8	011.8	000.7	000.0021	0464.4	015.1	49.99
209.0	000.2305	0090.7	012.0	359.6	000.0020	0468.0	015.0	50.07
210.0	000.2335	0094.5	012.3	358.4	000.0022	0476.7	014.9	50.37
211.0	000.2345	0098.3	012.6	357.2	000.0023	0484.7	014.8	50.85
212.0	000.2355	0101.7	012.8	356.0	000.0024	0492.5	014.8	51.27
213.0	000.2365	0104.5	013.0	354.9	000.0026	0504.9	014.7	51.68
214.0	000.2376	0106.8	013.1	353.8	000.0027	0520.6	014.8	52.09
215.0	000.2386	0108.9	013.3	352.8	000.0028	0534.9	014.8	52.46
216.0	000.2396	0110.7	013.4	351.8	000.0029	0545.0	014.9	52.72
217.0	000.2406	0112.1	013.5	350.9	000.0031	0550.3	015.0	52.88

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
218.0	000.2416	0113.4	013.6	350.1	000.0032	0553.8	015.1	53.14
219.0	000.2427	0114.8	013.7	349.2	000.0033	0556.9	015.2	53.28
220.0	000.2437	0116.2	013.8	348.4	000.0035	0559.7	015.3	53.42
221.0	000.2442	0117.7	013.9	347.6	000.0036	0559.7	015.5	53.48
222.0	000.2447	0118.9	013.9	346.8	000.0037	0562.1	015.6	53.55
223.0	000.2452	0119.9	014.0	346.1	000.0039	0564.3	015.8	53.59
224.0	000.2457	0121.0	014.1	345.4	000.0040	0566.4	016.0	53.63
225.0	000.2462	0122.5	014.2	344.7	000.0041	0566.4	016.1	53.64
226.0	000.2468	0124.4	014.3	343.9	000.0043	0568.2	016.3	53.70
227.0	000.2473	0126.6	014.4	343.1	000.0044	0569.8	016.5	53.75
228.0	000.2478	0128.9	014.5	342.3	000.0046	0571.2	016.6	53.79
229.0	000.2483	0131.2	014.7	341.5	000.0047	0571.2	016.8	53.80
230.0	000.2488	0133.4	014.8	340.8	000.0049	0572.3	017.0	53.81
231.0	000.2488	0135.5	015.0	340.1	000.0050	0573.1	017.2	53.79
232.0	000.2488	0137.5	015.1	339.4	000.0052	0573.8	017.4	53.78
233.0	000.2488	0139.6	015.2	338.8	000.0054	0573.8	017.6	53.76
234.0	000.2488	0141.7	015.3	338.1	000.0055	0574.3	017.8	53.73
235.0	000.2488	0143.7	015.5	337.6	000.0057	0574.3	018.1	53.67
236.0	000.2488	0145.5	015.6	337.0	000.0059	0574.7	018.3	53.61
237.0	000.2488	0147.2	015.7	336.5	000.0060	0574.7	018.6	53.51
238.0	000.2488	0148.7	015.8	336.1	000.0061	0575.0	018.8	53.41
239.0	000.2488	0150.1	015.9	335.7	000.0062	0575.0	019.1	53.28
240.0	000.2488	0151.3	016.0	335.4	000.0063	0575.2	019.3	53.14
241.0	000.2473	0152.4	016.0	335.2	000.0064	0575.2	019.6	52.97
242.0	000.2457	0153.5	016.0	335.1	000.0064	0575.2	019.9	52.79
243.0	000.2442	0154.5	016.1	334.9	000.0065	0575.2	020.2	52.61
244.0	000.2427	0155.5	016.1	334.8	000.0065	0575.2	020.5	52.43
245.0	000.2411	0156.4	016.1	334.7	000.0065	0575.2	020.7	52.23
246.0	000.2396	0157.1	016.2	334.7	000.0065	0575.2	021.0	52.03
247.0	000.2381	0157.8	016.2	334.7	000.0065	0575.2	021.3	51.82
248.0	000.2365	0158.3	016.2	334.7	000.0065	0575.2	021.6	51.61
249.0	000.2350	0158.8	016.2	334.8	000.0065	0575.2	021.9	51.40
250.0	000.2335	0159.2	016.2	334.9	000.0065	0575.2	022.1	51.18
251.0	000.2330	0159.5	016.2	334.9	000.0065	0575.2	022.4	50.96
252.0	000.2325	0159.7	016.2	335.0	000.0064	0575.2	022.7	50.75
253.0	000.2320	0159.9	016.2	335.1	000.0064	0575.2	023.0	50.53