

KVJC GLOBE AZ
Minor Change to BLED-20030725ACW
Channel 220
CSN INTERNATIONAL
August 2007
Contour Overlap Requirements / Allocation Study

The allocation tabulation for the proposed station is reported on the following pages. A complete explanation of how to read the printout is shown on the page after that. Summarizing the explanation, each pair of lines represents an existing or proposed full service station. Entries which have a negative number in the columns marked **IN** or **OUT** could cause interference with the proposed station. At the bottom of the report the distance to the nearest TV-6 station is reported. For clarity, the groups are discussed in the order they first appear on the tabulation.

Noncommercial Educational Stations and Applications

All the stations/applications listed are clear of prohibited contour overlap on the straight line connecting them to the proposed station, since both the **IN** and **OUT** entries are positive in all cases except, of course, the entry reflecting the station being modified. Maps are provided for each entry where the straight line clearance was less than 20 km to certify the clearance extends to all azimuths. Visual inspection clearly shows there is no prohibited contour overlap; however FMOVER proofs are supplied for the application of KCAI Congress, AZ, Proposed to 60 dBu F(50,50), for clarification as the applicant is using V-Soft FCC method 03 arc sec engineering. The first line of the printout, after the modifying station KVJC, is KOHN. It is shown to be clear of both incoming and outgoing overlap in the map. All other stations are shown to be widely clear of any prohibited contour overlap and their contours will not be supplied in this application.

Class Contour Distance

The maximum proposed ERP is 3.2kW, the 8 radial HAAT is 1028.3 meters and the class contour distance in kilometers is 67.8 km, which after rounding is 68 km. According to §73.211(b)(1), this proposal is a Class C1 class filing.

Commercial Stations and Applications Distance Separations

The closest commercial full power station is KFMA 221C2, Green Valley AZ located at a distance of 143.16km. Minimum separation requirements are 158km between Class C2 & C1 stations, making this application short spaced. This is addressed in Exhibit 18, which shows that there is no contour overlap between the proposed and KFMA as first adjacent.

IF (53 or 54 channel spacing) relationships

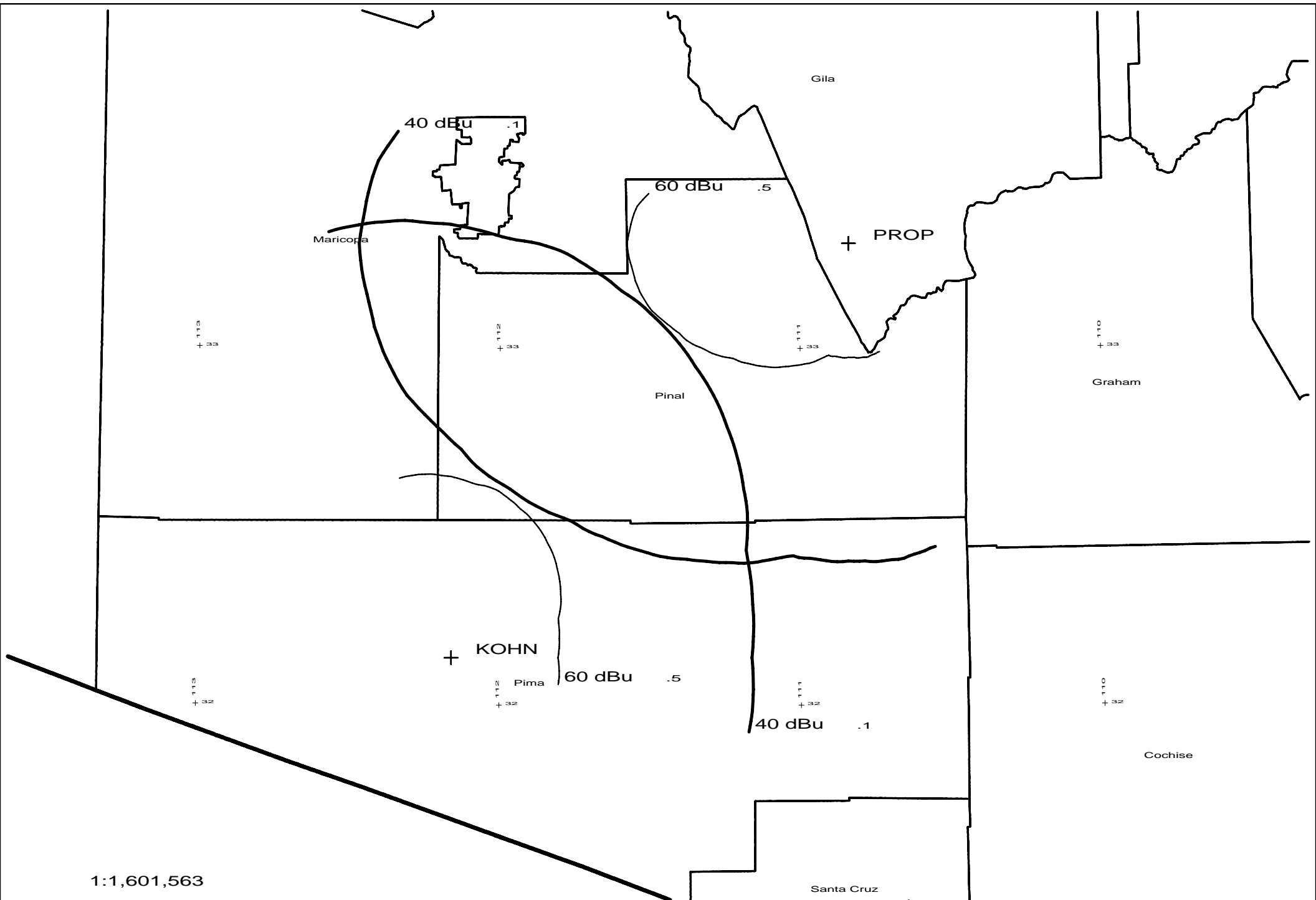
There is only one IF found in the study. KNIX Phoenix 273C is located 114.52km. Separation distance between Class C and C1 is 27km making this application compliant.

TV channel 6

KUATTV Tucson, at a distance of 98.07km is well inside the range of the specified 154km distance and is looked at in Exhibit 19.

KVJC Globe, AZ BLED-20030725ACW										
REFERENCE 33 17 37 N 110 50 09 W		CH# 220C1 - 91.9 MHz, Pwr= 3.2 kW, HAAT=1028.3 M, COR= 2380 M Average Protected F(50-50)= 67.8 km Ave. F(50-10) 40 dBu= 150.3 54 dBu= 100.4 80 dBu= 26.8 100 dBu= 3.7							DISPLAY DATES DATA 07-28-07 SEARCH 08-11-07	
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
220C2 Globe	KVJC	LIC CX AZ	0.0 180.0	0.00 BLED20030725ACW	33 17 37 110 50 09	0.660 1087	2380 126.3	53.3 Csn International	-163.05*	-154.54*
220C1 Sells	KOHN	LIC DC AZ	224.2 44.2	178.73 BLED20031105AIF	32 07 59 112 09 31	1.419 540	1235 116.1	45.4 Tohono O'odham Nation	12.22	11.58
220C2 Congress	KCAI . A	APP NCX AZ	306.9 126.9	176.10 BMPED20070405AAW	34 14 03 112 22 02	1.000 659	2357 117.5	46.7 Educational Media Foundati	4.36	0.71
221C2 Green Valley	KFMA	LIC NCN AZ	178.5 358.5	143.16 BMLH20000705ACM	32 00 11 110 47 49	50.000 230	1120 88.3	59.9 Arizona Lotus Corp.	19.31	29.20
222C Glendale	KTAR-F^	LIC C AZ	272.5 92.5	114.39 BLH20040707ABM	33 19 58 112 03 48	100.000 579	966 13.4	91.0 Bonneville Holding Company	32.65	19.67
218C Phoenix	KJZZ	LIC CY AZ	272.5 92.5	114.52 BLED19890728KA	33 19 58 112 03 53	100.000 467	856 12.3	84.7 Maricopa County Community	33.90	26.13
221C1 Holbrook	KZUA^	LIC CN AZ	19.3 199.3	191.27 BLH19940120KA	34 55 05 110 08 25	100.000 258	1891 100.9	68.9 Petracom Of Holbrook, L.L.	54.17	67.43
217C2 Tucson	KXCI . A	APP DCX AZ	173.4 353.4	98.08 BPED20070621ABH	32 24 54 110 42 56	0.419 929	2646 1.4	46.0 Foundation For Creative Br	60.89	51.40
217C2 Tucson	KXCI	LIC DCN AZ	173.4 353.4	98.08 BLED19910917KB	32 24 54 110 42 56	0.246 929	2646 1.1	40.9 Foundation For Creative Br	61.23	56.47
06+2E Tucson	KUATTV	LI HN AZ	173.3 353.3	98.07 BLET20030103AAW	32 24 55 110 42 51	33.900 959	2660	127.8 Arizona Board Of Regents/u	To Grd B=	-29.70

ERP and HAAT are on direct line to and from reference station.
 ***Affixed to 'IN' or 'Out' values = site inside protected contour.
 ^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements



1:1,601,563

Scale in km

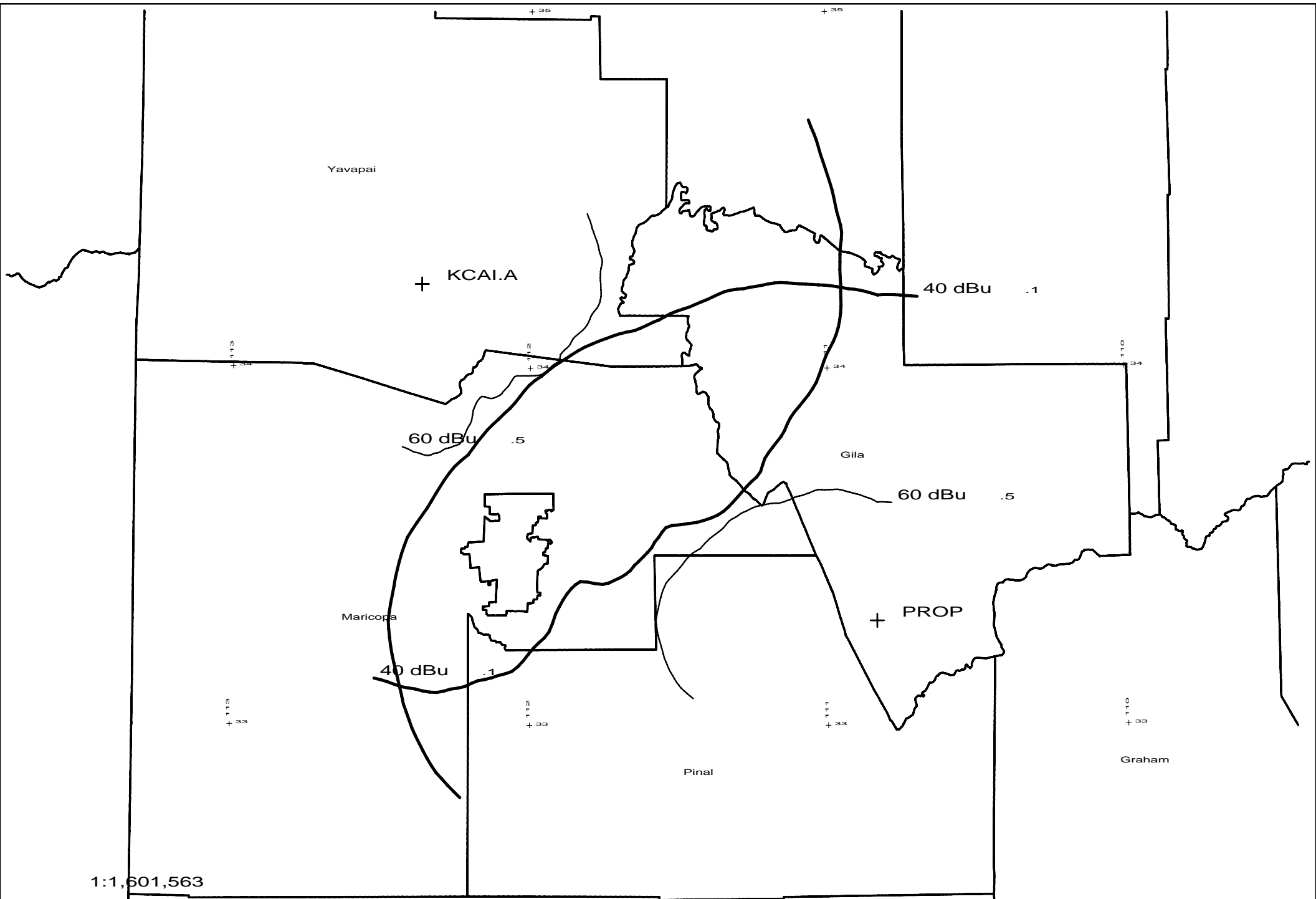


PROP 220C1 3.2kW 2380M AMSL

KOHN 220C1 10kW 1235M AMSL

PROP vs KOHN

CSN - 08/07



Scale in km

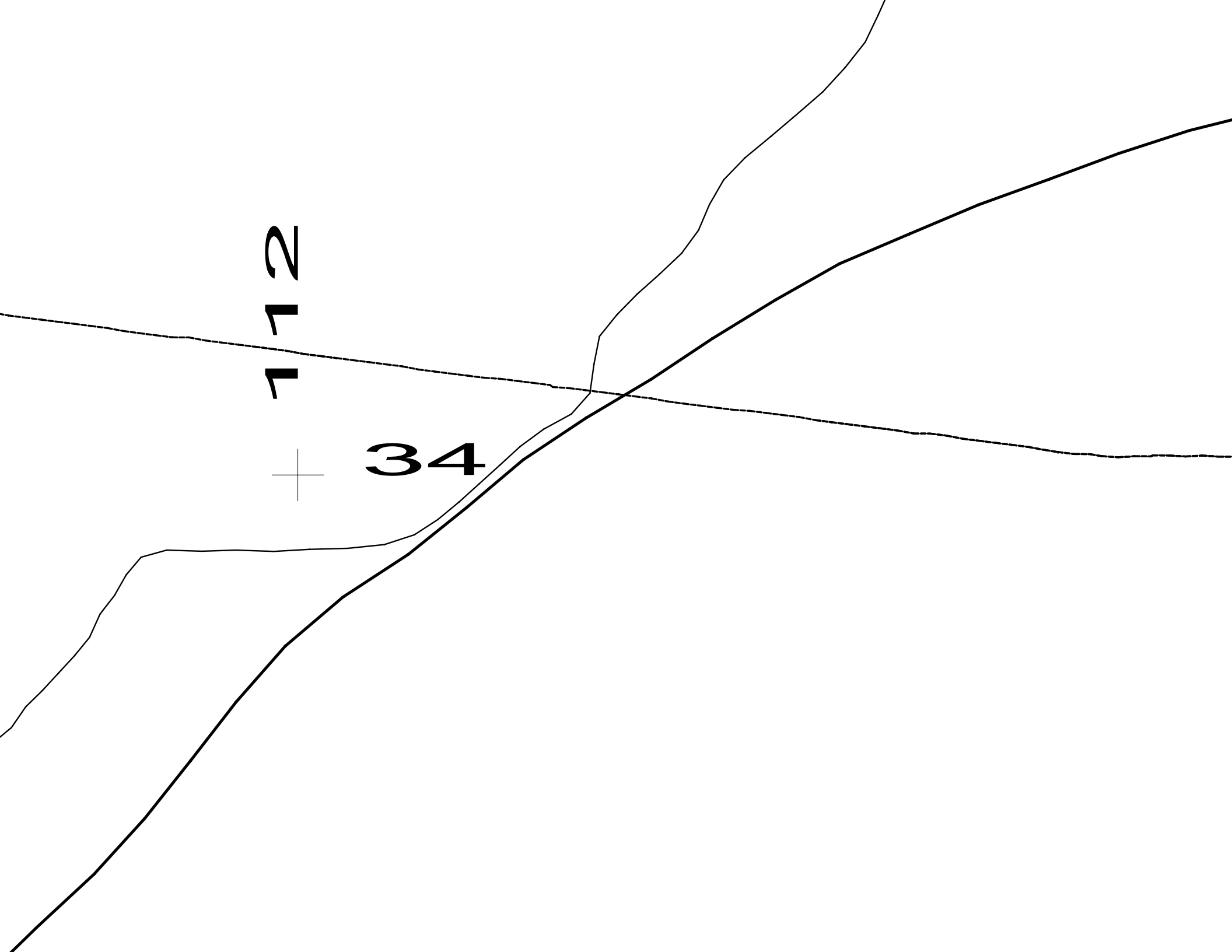


PROP 220C1 3.2kW 2380M AMSL

KCAL.A 220C2 1kW 2357M AMSL

PROP vs KCAL.A

CSN - 08/07



08-11-2007 03 Sec. Terrain Data

KCAI.A BMPED20070405AAN

Channel = 220C2

Max ERP = 1 kW

RCAMSL = 2357 M

N. Lat = 34 14 03

W. Lng = 112 22 02

PROP

Channel = 220C1

Max ERP = 3.2 kW

RCAMSL = 2380 M

N. Lat = 331737

W. Lng = 1105009

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
096.0	001.0000	0990.0	055.5	319.0	000.6506	0846.5	131.2	36.6
097.0	001.0000	0976.1	055.2	318.6	000.6638	0846.5	130.8	36.8
098.0	001.0000	0954.0	054.8	318.2	000.6786	0853.8	130.5	37.1
099.0	001.0000	0925.9	054.2	317.7	000.6949	0853.8	130.4	37.2
100.0	001.0000	0901.9	053.7	317.3	000.7107	0858.4	130.2	37.4
101.0	001.0000	0888.8	053.4	316.8	000.7248	0858.4	129.9	37.6
102.0	001.0000	0881.1	053.3	316.5	000.7382	0862.2	129.5	37.8
103.0	001.0000	0872.9	053.1	316.1	000.7519	0862.2	129.1	38.0
104.0	001.0000	0864.5	052.9	315.7	000.7660	0862.2	128.8	38.2
105.0	001.0000	0847.9	052.5	315.2	000.7819	0868.5	128.7	38.3
106.0	001.0000	0829.6	052.0	314.8	000.7984	0868.5	128.7	38.4
107.0	001.0000	0808.1	051.4	314.3	000.8158	0873.1	128.8	38.5
108.0	001.0000	0788.0	050.9	313.8	000.8330	0873.1	128.9	38.6
109.0	001.0000	0769.1	050.3	313.4	000.8502	0879.6	129.0	38.7
110.0	001.0000	0755.8	049.9	313.0	000.8663	0879.6	129.0	38.8
111.0	001.0000	0751.1	049.8	312.6	000.8809	0879.6	128.9	38.9
112.0	001.0000	0750.3	049.8	312.2	000.8950	0880.1	128.6	39.1
113.0	001.0000	0743.5	049.5	311.8	000.9104	0880.1	128.5	39.2
114.0	001.0000	0731.8	049.2	311.4	000.9266	0879.7	128.6	39.2
115.0	001.0000	0720.2	048.8	311.0	000.9428	0879.7	128.7	39.3
116.0	001.0000	0711.3	048.5	310.6	000.9587	0879.7	128.8	39.3
117.0	001.0000	0705.7	048.3	310.2	000.9741	0878.6	128.8	39.4
118.0	001.0000	0713.1	048.6	309.9	000.9897	0878.6	128.4	39.6
119.0	001.0000	0722.9	048.9	309.5	001.0077	0878.6	127.9	39.8
120.0	001.0000	0717.3	048.7	309.1	001.0279	0878.0	127.9	39.8
121.0	001.0000	0702.1	048.2	308.7	001.0492	0878.0	128.3	39.8
122.0	001.0000	0692.1	047.9	308.3	001.0698	0875.7	128.6	39.8
123.0	001.0000	0685.6	047.6	307.9	001.0900	0875.7	128.7	39.8
124.0	001.0000	0679.4	047.4	307.6	001.1102	0875.7	128.9	39.9
125.0	001.0000	0673.7	047.2	307.2	001.1304	0867.5	129.1	39.8
126.0	001.0000	0667.5	047.0	306.8	001.1506	0867.5	129.3	39.9
127.0	001.0000	0658.8	046.7	306.5	001.1706	0862.8	129.6	39.8
128.0	001.0000	0643.0	046.1	306.1	001.1901	0862.8	130.1	39.7
129.0	001.0000	0620.2	045.3	305.8	001.2086	0862.8	131.0	39.5
130.0	001.0000	0595.3	044.4	305.5	001.2261	0866.9	132.0	39.4
131.0	001.0000	0574.2	043.6	305.2	001.2430	0866.9	132.8	39.2

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
132.0	001.0000	0552.2	042.7		304.9	001.2586	0866.9	133.8	39.0
133.0	001.0000	0535.6	042.0		304.7	001.2739	0866.9	134.7	38.8
134.0	001.0000	0518.5	041.1		304.4	001.2881	0863.9	135.6	38.6
135.0	001.0000	0509.5	040.7		304.2	001.3035	0863.9	136.1	38.5
136.0	001.0000	0511.0	040.8		303.9	001.3211	0863.9	136.2	38.5
137.0	001.0000	0515.7	041.0		303.5	001.3398	0863.9	136.2	38.6
138.0	001.0000	0518.2	041.1		303.2	001.3580	0853.3	136.3	38.5
139.0	001.0000	0525.1	041.5		302.9	001.3779	0853.3	136.1	38.6
140.0	001.0000	0527.9	041.6		302.6	001.3966	0853.3	136.2	38.6
141.0	001.0000	0530.0	041.7		302.3	001.4151	0840.7	136.4	38.5
142.0	001.0000	0532.3	041.8		302.0	001.4338	0840.7	136.5	38.5
143.0	001.0000	0534.2	041.9		301.7	001.4523	0840.7	136.7	38.5
144.0	001.0000	0539.6	042.1		301.4	001.4725	0830.6	136.8	38.5
145.0	001.0000	0540.7	042.2		301.1	001.4907	0830.6	137.0	38.5
146.0	001.0000	0539.4	042.1		300.8	001.5076	0830.6	137.4	38.4
147.0	001.0000	0536.3	042.0		300.6	001.5232	0830.6	137.8	38.3
148.0	001.0000	0534.0	041.9		300.3	001.5390	0826.2	138.3	38.2
149.0	001.0000	0527.7	041.6		300.1	001.5519	0826.2	138.9	38.1
150.0	001.0000	0513.7	040.9		300.0	001.5597	0826.2	139.8	37.8
151.0	001.0000	0497.6	040.2		299.9	001.5669	0826.2	140.8	37.6
152.0	001.0000	0485.2	039.6		299.8	001.5764	0826.2	141.7	37.4
153.0	001.0000	0487.0	039.7		299.5	001.5969	0826.2	142.0	37.4
154.0	001.0000	0492.9	040.0		299.2	001.6208	0824.3	142.1	37.4
155.0	001.0000	0501.7	040.4		298.9	001.6476	0824.3	142.2	37.4
156.0	001.0000	0513.6	040.9		298.6	001.6778	0824.3	142.2	37.5