

**Engineering Statement
In Support of an
Application for a Construction Permit**

KZHK, Bunkerville, Nevada

Terrain-Contour Study

Reference Coordinates:

North Latitude: 39-38-07

West Longitude: 114-07-18

Azimuth °T.	ERP = 82.0 kW Ave. Elev. 3 to 16 km	FM - 2-6 Tables Effective Antenna Height	ERP (dBk)	F(50-50) Distance to 70 dBu Contour	F(50-50) Distance to 60 dBu Contour
	Meters AMSL	Meters AAT		km	km
0	753.8	1001.4	19.138	77.4	103.3
5	777.7	977.5	19.138	76.9	102.7
10	803.0	952.2	19.138	76.4	102.1
15	830.9	924.3	19.138	75.8	101.3
20	855.2	900.0	19.138	75.2	100.6
25	875.4	879.8	19.138	74.8	100.0
30	901.7	853.5	19.138	74.1	99.1
35	944.4	810.8	19.138	72.9	97.6
40	983.3	771.9	19.138	71.7	96.2
45	1020.1	735.1	19.138	70.5	94.9
50	1069.9	685.3	19.138	68.7	93.0
55	1143.8	611.4	19.138	66.0	90.2
60	1250.4	504.8	19.138	60.5	85.0
65	1380.0	375.2	19.138	53.0	75.9
70	1499.6	255.6	19.138	45.3	66.8
75	1568.9	186.3	19.138	40.3	60.6
80	1604.0	151.2	19.138	36.8	56.8
85	1584.6	170.6	19.138	38.9	59.1
90	1587.6	167.6	19.138	38.6	58.8
95	1567.5	187.7	19.138	40.4	60.8
100	1549.6	205.6	19.138	41.8	62.4
105	1558.3	196.9	19.138	41.2	61.6
110	1522.0	233.2	19.138	43.8	64.9
115	1514.9	240.3	19.138	44.3	65.5
120	1512.6	242.6	19.138	44.4	65.7
125	1518.1	237.1	19.138	44.1	65.2
130	1516.1	239.1	19.138	44.2	65.4
135	1548.1	207.1	19.138	41.9	62.6
140	1610.5	144.7	19.138	36.0	55.9
145	1694.0	61.2	19.138	24.3	40.8
150	1735.0	20.2	19.138	17.2	29.6
155	1707.8	47.4	19.138	21.6	36.5

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Exhibit E, Figure 2

ERP = 82.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Ave. Elev.		Effective		Distance to	Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	70 dBu Contour	60 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km	km
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160	1691.0	64.2	19.138	24.8	41.5
165	1586.1	169.1	19.138	38.7	59.0
170	1478.2	277.0	19.138	46.7	68.5
175	1428.9	326.3	19.138	50.0	72.3
180	1389.6	365.6	19.138	52.4	75.2
185	1344.2	411.0	19.138	55.0	78.5
190	1296.2	459.0	19.138	57.7	82.1
195	1246.0	509.2	19.138	60.8	85.3
200	1176.4	578.8	19.138	64.7	89.0
205	1107.7	647.5	19.138	67.3	91.6
210	1052.4	702.8	19.138	69.4	93.6
215	1009.5	745.7	19.138	70.8	95.2
220	975.7	779.5	19.138	71.9	96.5
225	941.4	813.8	19.138	73.0	97.7
230	913.5	841.7	19.138	73.8	98.7
235	897.3	857.9	19.138	74.2	99.3
240	919.4	835.8	19.138	73.6	98.5
245	946.9	808.3	19.138	72.8	97.5
250	905.2	850.0	19.138	74.0	99.0
255	870.5	884.7	19.138	74.9	100.2
260	838.0	917.2	19.138	75.6	101.1
265	830.6	924.6	19.138	75.8	101.3
270	814.8	940.4	19.138	76.1	101.8
275	811.2	944.0	19.138	76.2	101.9
280	807.8	947.4	19.138	76.3	102.0
285	800.8	954.4	19.138	76.4	102.1
290	793.9	961.3	19.138	76.5	102.3
295	782.6	972.6	19.138	76.8	102.6
300	771.5	983.7	19.138	77.0	102.9
305	760.0	995.2	19.138	77.2	103.2
310	755.8	999.4	19.138	77.3	103.3
315	746.1	1009.1	19.138	77.5	103.5
320	737.9	1017.3	19.138	77.7	103.7
325	736.8	1018.4	19.138	77.7	103.8
330	735.3	1019.9	19.138	77.7	103.8
335	728.5	1026.7	19.138	77.9	104.0
340	719.8	1035.4	19.138	78.0	104.2
345	725.2	1030.0	19.138	77.9	104.0
350	732.0	1023.2	19.138	77.8	103.9
355	736.9	1018.3	19.138	77.7	103.8
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