EXHIBIT 31

EDX SHUTTLE TERRAIN DATA 1 ARC SECOND
REFERENCE FOR PROPOSED JOHANNESBURG, CA CH 253A FACILITY

KDFO 73.215

EDX contour file 0.000 360.000 1.000 -1.000 307.00 1 0.000
KDFO98_5 43.979 98.5000 35.514700 -119.062323 1 4 60.0 40.0
57.0 37.0 0.0 50 10 50 10 50 8 8 8 8 7 1 1 1 1 0 207.8 50
1 30.0
DISTANCES TO CONTOURS (Kilometers):
Antenna COR elevation (AMSL): 307 mtrs Average HAAT: 99 mtrs
Frequency: 98.5000 MHz
Coordinates: N 35 30 52.92 W 119 3 44.36
F(50,50)& f(50,10) Curves Number of Contours: 5 7

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	0.0
0.0	61	25.0000	31.2	106.5	36.7	123.1	0.0
1.0	59	25.0000	30.7	106.0	36.1	122.6	0.0
2.0	59	25.0000	30.7	106.0	36.1	122.6	0.0
3.0	59	25.0000	30.8	106.1	36.2	122.7	0.0
4.0	59	25.0000	30.8	106.1	36.2	122.7	0.0
5.0	56	25.0000	30.2	105.6	35.5	122.1	0.0
6.0	55	25.0000	29.8	105.2	35.1	121.7	0.0
7.0	54	25.0000	29.7	105.1	34.9	121.6	0.0
8.0	51	25.0000	28.9	104.5	33.9	120.8	0.0
9.0	51	25.0000	28.9	104.5	34.0	120.9	0.0
10.0	49	25.0000	28.3	104.0	33.3	120.3	0.0
11.0	47	25.0000	27.8	103.7	32.6	119.8	0.0
12.0	47	25.0000	27.7	103.6	32.5	119.7	0.0
13.0	42	25.0000	26.4	102.6	30.8	118.5	0.0
14.0	40	25.0000	25.6	102.0	29.9	117.7	0.0
15.0	38	25.0000	25.0	101.5	29.1	117.1	0.0
16.0	33	25.0000	23.7	100.6	27.7	115.9	0.0
17.0	37	25.0000	24.8	101.4	28.9	116.9	0.0
18.0	33	25.0000	23.7	100.6	27.7	115.9	0.0
19.0	31	25.0000	22.9	100.0	26.8	115.2	0.0
20.0	27	25.0000	22.8	99.9	26.7	115.1	0.0
21.0	24	25.0000	22.8	99.9	26.7	115.1	0.0
22.0	24	25.0000	22.8	99.9	26.7	115.1	0.0
23.0	23	25.0000	22.8	99.9	26.7	115.1	0.0
24.0	21	25.0000	22.8	99.9	26.7	115.1	0.0
25.0	18	25.0000	22.8	99.9	26.7	115.1	0.0
26.0	15	25.0000	22.8	99.9	26.7	115.1	0.0
27.0	13	25.0000	22.8	99.9	26.7	115.1	0.0
28.0	11	25.0000	22.8	99.9	26.7	115.1	0.0
29.0	10	25.0000	22.8	99.9	26.7	115.1	0.0
30.0	12	25.0000	22.8	99.9	26.7	115.1	0.0
31.0	10	25.0000	22.8	99.9	26.7	115.1	0.0
32.0	7	25.0000	22.8	99.9	26.7	115.1	0.0
33.0	5	25.0000	22.8	99.9	26.7	115.1	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
34.0	4	25.0000	22.8	99.9	26.7	115.1	0.0
35.0	2	25.0000	22.8	99.9	26.7	115.1	0.0
36.0	0	25.0000	22.8	99.9	26.7	115.1	0.0
37.0	-4	25.0000	22.8	99.9	26.7	115.1	0.0
38.0	-4	25.0000	22.8	99.9	26.7	115.1	0.0
39.0	-5	25.0000	22.8	99.9	26.7	115.1	0.0
40.0	-3	25.0000	22.8	99.9	26.7	115.1	0.0
41.0	-3	25.0000	22.8	99.9	26.7	115.1	0.0
42.0	-3	25.0000	22.8	99.9	26.7	115.1	0.0
43.0	-2	25.0000	22.8	99.9	26.7	115.1	0.0
44.0	-4	25.0000	22.8	99.9	26.7	115.1	0.0
45.0	-6	25.0000	22.8	99.9	26.7	115.1	0.0
46.0	-5	25.0000	22.8	99.9	26.7	115.1	0.0
47.0	-5	25.0000	22.8	99.9	26.7	115.1	0.0
48.0	-1	25.0000	22.8	99.9	26.7	115.1	0.0
49.0	-2	25.0000	22.8	99.9	26.7	115.1	0.0
50.0	5	25.0000	22.8	99.9	26.7	115.1	0.0
51.0	3	25.0000	22.8	99.9	26.7	115.1	0.0
52.0	5	25.0000	22.8	99.9	26.7	115.1	0.0
53.0	10	25.0000	22.8	99.9	26.7	115.1	0.0
54.0	11	25.0000	22.8	99.9	26.7	115.1	0.0
55.0	9	25.0000	22.8	99.9	26.7	115.1	0.0
56.0	14	25.0000	22.8	99.9	26.7	115.1	0.0
57.0	19	25.0000	22.8	99.9	26.7	115.1	0.0
58.0	23	25.0000	22.8	99.9	26.7	115.1	0.0
59.0	23	25.0000	22.8	99.9	26.7	115.1	0.0
60.0	23	25.0000	22.8	99.9	26.7	115.1	0.0
61.0	20	25.0000	22.8	99.9	26.7	115.1	0.0
62.0	26	25.0000	22.8	99.9	26.7	115.1	0.0
63.0	28	25.0000	22.8	99.9	26.7	115.1	0.0
64.0	33	25.0000	23.6	100.5	27.6	115.8	0.0
65.0	35	25.0000	24.2	101.0	28.3	116.4	0.0
66.0	34	25.0000	23.8	100.6	27.8	116.0	0.0
67.0	35	25.0000	24.3	101.0	28.3	116.5	0.0
68.0	35	25.0000	24.1	100.9	28.2	116.3	0.0
69.0	32	25.0000	23.2	100.2	27.1	115.5	0.0
70.0	30	25.0000	22.8	99.9	26.7	115.1	0.0
71.0	33	25.0000	23.5	100.5	27.5	115.8	0.0
72.0	31	25.0000	22.8	99.9	26.7	115.1	0.0
73.0	33	25.0000	23.7	100.6	27.7	115.9	0.0
74.0	32	25.0000	23.1	100.2	27.0	115.4	0.0
75.0	33	25.0000	23.7	100.6	27.6	115.9	0.0
76.0	36	25.0000	24.5	101.1	28.5	116.6	0.0
77.0	37	25.0000	24.8	101.4	28.9	116.9	0.0
78.0	39	25.0000	25.4	101.9	29.7	117.6	0.0
79.0	44	25.0000	27.0	103.0	31.6	119.0	0.0
80.0	45	25.0000	27.2	103.2	31.9	119.3	0.0
81.0	47	25.0000	27.8	103.7	32.6	119.9	0.0
82.0	46	25.0000	27.3	103.2	31.9	119.3	0.0
83.0	42	25.0000	26.2	102.4	30.6	118.3	0.0
84.0	44	25.0000	26.7	102.8	31.2	118.8	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
85.0	43	25.0000	26.4	102.6	30.9	118.5	0.0
86.0	36	25.0000	24.4	101.1	28.5	116.6	0.0
87.0	37	25.0000	24.8	101.4	29.0	117.0	0.0
88.0	40	25.0000	25.8	102.1	30.1	117.9	0.0
89.0	45	25.0000	27.2	103.2	31.9	119.3	0.0
90.0	40	25.0000	25.7	102.1	30.0	117.8	0.0
91.0	28	25.0000	22.8	99.9	26.7	115.1	0.0
92.0	21	25.0000	22.8	99.9	26.7	115.1	0.0
93.0	13	25.0000	22.8	99.9	26.7	115.1	0.0
94.0	4	25.0000	22.8	99.9	26.7	115.1	0.0
95.0	-8	25.0000	22.8	99.9	26.7	115.1	0.0
96.0	-12	25.0000	22.8	99.9	26.7	115.1	0.0
97.0	-16	25.0000	22.8	99.9	26.7	115.1	0.0
98.0	-23	25.0000	22.8	99.9	26.7	115.1	0.0
99.0	-26	25.0000	22.8	99.9	26.7	115.1	0.0
100.0	-31	25.0000	22.8	99.9	26.7	115.1	0.0
101.0	-33	25.0000	22.8	99.9	26.7	115.1	0.0
102.0	-28	25.0000	22.8	99.9	26.7	115.1	0.0
103.0	-19	25.0000	22.8	99.9	26.7	115.1	0.0
104.0	-17	25.0000	22.8	99.9	26.7	115.1	0.0
105.0	-15	25.0000	22.8	99.9	26.7	115.1	0.0
106.0	-11	25.0000	22.8	99.9	26.7	115.1	0.0
107.0	-6	25.0000	22.8	99.9	26.7	115.1	0.0
108.0	0	25.0000	22.8	99.9	26.7	115.1	0.0
109.0	6	25.0000	22.8	99.9	26.7	115.1	0.0
110.0	10	25.0000	22.8	99.9	26.7	115.1	0.0
111.0	16	25.0000	22.8	99.9	26.7	115.1	0.0
112.0	21	25.0000	22.8	99.9	26.7	115.1	0.0
113.0	23	25.0000	22.8	99.9	26.7	115.1	0.0
114.0	29	25.0000	22.8	99.9	26.7	115.1	0.0
115.0	36	25.0000	24.5	101.1	28.5	116.6	0.0
116.0	39	25.0000	25.4	101.8	29.6	117.5	0.0
117.0	43	25.0000	26.5	102.7	31.0	118.6	0.0
118.0	47	25.0000	27.8	103.6	32.6	119.8	0.0
119.0	50	25.0000	28.6	104.3	33.6	120.6	0.0
120.0	50	25.0000	28.4	104.1	33.4	120.4	0.0
121.0	53	25.0000	29.3	104.8	34.4	121.2	0.0
122.0	53	25.0000	29.4	104.9	34.6	121.4	0.0
123.0	55	25.0000	29.9	105.3	35.1	121.8	0.0
124.0	53	25.0000	29.3	104.9	34.5	121.3	0.0
125.0	54	25.0000	29.5	105.0	34.7	121.5	0.0
126.0	57	25.0000	30.3	105.6	35.6	122.2	0.0
127.0	57	25.0000	30.2	105.6	35.6	122.1	0.0
128.0	57	25.0000	30.3	105.7	35.6	122.2	0.0
129.0	61	25.0000	31.2	106.5	36.7	123.1	0.0
130.0	65	25.0000	32.1	107.2	37.6	123.9	0.0
131.0	68	25.0000	32.9	107.9	38.3	124.6	0.0
132.0	70	25.0000	33.3	108.2	38.8	125.0	0.0
133.0	73	25.0000	34.0	108.8	39.5	125.6	0.0
134.0	77	25.0000	34.8	109.5	40.3	126.4	0.0
135.0	81	25.0000	35.6	110.2	41.1	127.1	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
136.0	83	25.0000	35.9	110.5	41.5	127.4	0.0
137.0	85	25.0000	36.4	110.9	41.9	127.9	0.0
138.0	85	25.0000	36.4	111.0	42.0	127.9	0.0
139.0	85	25.0000	36.4	110.9	41.9	127.9	0.0
140.0	85	25.0000	36.4	111.0	42.0	127.9	0.0
141.0	85	25.0000	36.3	110.9	41.9	127.8	0.0
142.0	86	25.0000	36.6	111.2	42.2	128.1	0.0
143.0	89	25.0000	37.2	111.7	42.8	128.6	0.0
144.0	91	25.0000	37.5	112.0	43.1	128.9	0.0
145.0	94	25.0000	38.1	112.6	43.7	129.5	0.0
146.0	97	25.0000	38.6	113.1	44.2	130.0	0.0
147.0	100	25.0000	39.0	113.6	44.7	130.4	0.0
148.0	101	25.0000	39.3	113.8	44.9	130.7	0.0
149.0	103	25.0000	39.6	114.1	45.2	131.0	0.0
150.0	106	25.0000	40.1	114.8	45.8	131.5	0.0
151.0	108	25.0000	40.4	115.1	46.1	131.8	0.0
152.0	111	25.0000	40.8	115.6	46.6	132.2	0.0
153.0	114	25.0000	41.2	116.1	47.0	132.7	0.0
154.0	117	25.0000	41.6	116.6	47.5	133.1	0.0
155.0	119	25.0000	42.0	117.0	47.9	133.5	0.0
156.0	122	25.0000	42.3	117.5	48.2	133.8	0.0
157.0	124	25.0000	42.5	117.8	48.5	134.1	0.0
158.0	127	25.0000	42.9	118.2	48.9	134.4	0.0
159.0	129	25.0000	43.2	118.7	49.3	134.8	0.0
160.0	131	25.0000	43.5	119.0	49.5	135.0	0.0
161.0	133	25.0000	43.7	119.3	49.8	135.2	0.0
162.0	134	25.0000	43.8	119.4	49.9	135.4	0.0
163.0	135	25.0000	44.0	119.6	50.1	135.6	0.0
164.0	136	25.0000	44.2	119.9	50.3	135.8	0.0
165.0	138	25.0000	44.3	120.1	50.5	135.9	0.0
166.0	139	25.0000	44.5	120.3	50.6	136.1	0.0
167.0	140	25.0000	44.6	120.5	50.8	136.3	0.0
168.0	141	25.0000	44.8	120.7	51.0	136.4	0.0
169.0	143	25.0000	45.0	120.9	51.2	136.6	0.0
170.0	143	25.0000	45.1	121.0	51.3	136.7	0.0
171.0	144	25.0000	45.2	121.1	51.4	136.8	0.0
172.0	145	25.0000	45.3	121.3	51.5	136.9	0.0
173.0	146	25.0000	45.5	121.5	51.6	137.1	0.0
174.0	147	25.0000	45.7	121.7	51.8	137.3	0.0
175.0	149	25.0000	45.8	121.9	52.0	137.4	0.0
176.0	150	25.0000	45.9	122.0	52.1	137.6	0.0
177.0	150	25.0000	46.0	122.1	52.2	137.7	0.0
178.0	151	25.0000	46.1	122.2	52.2	137.7	0.0
179.0	151	25.0000	46.1	122.2	52.3	137.8	0.0
180.0	152	25.0000	46.2	122.3	52.4	137.8	0.0
181.0	152	25.0000	46.2	122.3	52.4	137.9	0.0
182.0	152	25.0000	46.3	122.4	52.5	137.9	0.0
183.0	153	25.0000	46.4	122.5	52.5	138.0	0.0
184.0	153	25.0000	46.4	122.6	52.6	138.1	0.0
185.0	154	25.0000	46.5	122.7	52.7	138.2	0.0
AZ	HAAT	ERPd	CONTOUR LEVELS (dBu):				

(degs)	(m)	(kW)	60.0	40.0	57.0	37.0	
186.0	155	25.0000	46.6	122.8	52.8	138.2	0.0
187.0	155	25.0000	46.6	122.8	52.8	138.3	0.0
188.0	156	25.0000	46.7	123.0	52.9	138.4	0.0
189.0	156	25.0000	46.8	123.0	53.0	138.5	0.0
190.0	157	25.0000	46.9	123.1	53.1	138.6	0.0
191.0	158	25.0000	47.0	123.3	53.2	138.7	0.0
192.0	159	25.0000	47.1	123.4	53.3	138.9	0.0
193.0	160	25.0000	47.3	123.6	53.4	139.0	0.0
194.0	161	25.0000	47.4	123.7	53.6	139.1	0.0
195.0	162	25.0000	47.5	123.8	53.6	139.2	0.0
196.0	163	25.0000	47.6	123.9	53.7	139.3	0.0
197.0	163	25.0000	47.7	124.0	53.8	139.4	0.0
198.0	164	25.0000	47.8	124.1	53.9	139.5	0.0
199.0	165	25.0000	47.8	124.2	54.0	139.6	0.0
200.0	165	25.0000	47.9	124.3	54.1	139.7	0.0
201.0	166	25.0000	48.0	124.4	54.2	139.8	0.0
202.0	167	25.0000	48.1	124.5	54.3	139.9	0.0
203.0	168	25.0000	48.2	124.7	54.3	140.0	0.0
204.0	169	25.0000	48.3	124.8	54.4	140.1	0.0
205.0	169	25.0000	48.3	124.8	54.5	140.2	0.0
206.0	170	25.0000	48.4	124.9	54.6	140.3	0.0
207.0	171	25.0000	48.5	125.0	54.6	140.4	0.0
208.0	171	25.0000	48.6	125.1	54.7	140.5	0.0
209.0	172	25.0000	48.6	125.2	54.7	140.5	0.0
210.0	172	25.0000	48.7	125.2	54.8	140.6	0.0
211.0	173	25.0000	48.7	125.3	54.9	140.7	0.0
212.0	173	25.0000	48.8	125.4	54.9	140.8	0.0
213.0	174	25.0000	48.8	125.4	55.0	140.8	0.0
214.0	174	25.0000	48.8	125.5	55.0	140.9	0.0
215.0	174	25.0000	48.9	125.5	55.0	140.9	0.0
216.0	175	25.0000	48.9	125.6	55.1	141.0	0.0
217.0	175	25.0000	49.0	125.6	55.1	141.0	0.0
218.0	176	25.0000	49.0	125.7	55.2	141.1	0.0
219.0	176	25.0000	49.1	125.8	55.2	141.2	0.0
220.0	177	25.0000	49.1	125.8	55.3	141.2	0.0
221.0	177	25.0000	49.2	125.9	55.3	141.3	0.0
222.0	177	25.0000	49.2	125.9	55.3	141.3	0.0
223.0	177	25.0000	49.2	125.9	55.3	141.3	0.0
224.0	177	25.0000	49.2	125.9	55.3	141.3	0.0
225.0	178	25.0000	49.2	126.0	55.4	141.4	0.0
226.0	178	25.0000	49.3	126.0	55.4	141.4	0.0
227.0	179	25.0000	49.3	126.1	55.4	141.5	0.0
228.0	179	25.0000	49.3	126.1	55.5	141.5	0.0
229.0	179	25.0000	49.3	126.1	55.5	141.5	0.0
230.0	179	25.0000	49.3	126.1	55.5	141.5	0.0
231.0	180	25.0000	49.4	126.2	55.5	141.6	0.0
232.0	180	25.0000	49.4	126.2	55.5	141.6	0.0
233.0	180	25.0000	49.4	126.2	55.6	141.7	0.0
234.0	180	25.0000	49.4	126.2	55.6	141.7	0.0
235.0	180	25.0000	49.4	126.2	55.6	141.6	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
236.0	180	25.0000	49.4	126.2	55.6	141.6	0.0
237.0	180	25.0000	49.4	126.2	55.6	141.7	0.0
238.0	180	25.0000	49.4	126.2	55.6	141.7	0.0
239.0	180	25.0000	49.4	126.2	55.6	141.7	0.0
240.0	180	25.0000	49.4	126.2	55.6	141.6	0.0
241.0	180	25.0000	49.4	126.2	55.5	141.6	0.0
242.0	180	25.0000	49.4	126.2	55.5	141.6	0.0
243.0	180	25.0000	49.4	126.2	55.5	141.6	0.0
244.0	179	25.0000	49.4	126.1	55.5	141.6	0.0
245.0	179	25.0000	49.3	126.1	55.5	141.5	0.0
246.0	179	25.0000	49.3	126.0	55.4	141.5	0.0
247.0	178	25.0000	49.3	126.0	55.4	141.4	0.0
248.0	178	25.0000	49.2	126.0	55.4	141.4	0.0
249.0	177	25.0000	49.2	125.9	55.3	141.3	0.0
250.0	177	25.0000	49.1	125.8	55.3	141.2	0.0
251.0	176	25.0000	49.1	125.8	55.2	141.2	0.0
252.0	176	25.0000	49.0	125.7	55.2	141.1	0.0
253.0	175	25.0000	49.0	125.7	55.1	141.0	0.0
254.0	175	25.0000	48.9	125.6	55.1	141.0	0.0
255.0	174	25.0000	48.9	125.5	55.0	140.9	0.0
256.0	174	25.0000	48.8	125.4	55.0	140.8	0.0
257.0	173	25.0000	48.8	125.4	54.9	140.8	0.0
258.0	173	25.0000	48.7	125.3	54.9	140.7	0.0
259.0	172	25.0000	48.7	125.2	54.8	140.6	0.0
260.0	172	25.0000	48.6	125.2	54.8	140.6	0.0
261.0	171	25.0000	48.6	125.1	54.7	140.5	0.0
262.0	171	25.0000	48.5	125.1	54.7	140.4	0.0
263.0	170	25.0000	48.5	125.0	54.6	140.4	0.0
264.0	170	25.0000	48.4	124.9	54.6	140.3	0.0
265.0	169	25.0000	48.4	124.9	54.5	140.2	0.0
266.0	169	25.0000	48.3	124.8	54.4	140.2	0.0
267.0	168	25.0000	48.2	124.7	54.4	140.1	0.0
268.0	168	25.0000	48.2	124.6	54.3	140.0	0.0
269.0	167	25.0000	48.1	124.5	54.2	139.9	0.0
270.0	166	25.0000	48.0	124.4	54.1	139.8	0.0
271.0	165	25.0000	47.9	124.3	54.1	139.7	0.0
272.0	165	25.0000	47.8	124.2	54.0	139.6	0.0
273.0	164	25.0000	47.7	124.1	53.9	139.5	0.0
274.0	163	25.0000	47.7	124.0	53.8	139.4	0.0
275.0	163	25.0000	47.6	124.0	53.8	139.4	0.0
276.0	162	25.0000	47.5	123.9	53.7	139.3	0.0
277.0	161	25.0000	47.4	123.8	53.6	139.2	0.0
278.0	161	25.0000	47.3	123.7	53.5	139.1	0.0
279.0	160	25.0000	47.3	123.6	53.4	139.0	0.0
280.0	159	25.0000	47.2	123.4	53.3	138.9	0.0
281.0	158	25.0000	47.1	123.3	53.2	138.8	0.0
282.0	158	25.0000	47.0	123.2	53.1	138.7	0.0
283.0	157	25.0000	46.9	123.1	53.0	138.6	0.0
284.0	156	25.0000	46.8	123.0	53.0	138.5	0.0
285.0	155	25.0000	46.7	122.9	52.9	138.4	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
286.0	155	25.0000	46.6	122.8	52.8	138.3	0.0
287.0	154	25.0000	46.5	122.7	52.7	138.2	0.0
288.0	153	25.0000	46.4	122.6	52.6	138.1	0.0
289.0	153	25.0000	46.3	122.5	52.5	138.0	0.0
290.0	152	25.0000	46.3	122.4	52.4	137.9	0.0
291.0	151	25.0000	46.2	122.3	52.4	137.8	0.0
292.0	151	25.0000	46.1	122.3	52.3	137.8	0.0
293.0	151	25.0000	46.2	122.3	52.3	137.8	0.0
294.0	152	25.0000	46.2	122.3	52.4	137.9	0.0
295.0	151	25.0000	46.2	122.3	52.3	137.8	0.0
296.0	151	25.0000	46.1	122.2	52.3	137.7	0.0
297.0	150	25.0000	46.0	122.1	52.2	137.7	0.0
298.0	150	25.0000	46.0	122.0	52.1	137.6	0.0
299.0	149	25.0000	45.9	121.9	52.1	137.5	0.0
300.0	149	25.0000	45.9	121.9	52.0	137.5	0.0
301.0	149	25.0000	45.9	121.9	52.1	137.5	0.0
302.0	149	25.0000	45.9	122.0	52.1	137.5	0.0
303.0	150	25.0000	46.0	122.0	52.1	137.6	0.0
304.0	150	25.0000	46.0	122.0	52.1	137.6	0.0
305.0	149	25.0000	45.8	121.9	52.0	137.5	0.0
306.0	148	25.0000	45.7	121.8	51.9	137.4	0.0
307.0	147	25.0000	45.6	121.6	51.8	137.3	0.0
308.0	146	25.0000	45.5	121.5	51.7	137.2	0.0
309.0	146	25.0000	45.4	121.4	51.6	137.0	0.0
310.0	145	25.0000	45.3	121.3	51.5	136.9	0.0
311.0	144	25.0000	45.2	121.2	51.4	136.8	0.0
312.0	143	25.0000	45.0	121.0	51.2	136.7	0.0
313.0	141	25.0000	44.8	120.7	51.0	136.4	0.0
314.0	141	25.0000	44.7	120.6	50.9	136.3	0.0
315.0	140	25.0000	44.6	120.5	50.8	136.2	0.0
316.0	138	25.0000	44.4	120.2	50.6	136.0	0.0
317.0	137	25.0000	44.2	120.0	50.4	135.8	0.0
318.0	136	25.0000	44.1	119.8	50.2	135.7	0.0
319.0	135	25.0000	43.9	119.6	50.0	135.5	0.0
320.0	134	25.0000	43.8	119.4	49.9	135.4	0.0
321.0	133	25.0000	43.7	119.2	49.7	135.2	0.0
322.0	131	25.0000	43.5	119.0	49.6	135.1	0.0
323.0	130	25.0000	43.3	118.8	49.4	134.9	0.0
324.0	129	25.0000	43.1	118.6	49.2	134.7	0.0
325.0	127	25.0000	43.0	118.4	49.0	134.5	0.0
326.0	126	25.0000	42.8	118.1	48.8	134.3	0.0
327.0	124	25.0000	42.5	117.8	48.5	134.0	0.0
328.0	122	25.0000	42.3	117.5	48.2	133.8	0.0
329.0	120	25.0000	42.0	117.1	47.9	133.5	0.0
330.0	118	25.0000	41.7	116.7	47.6	133.2	0.0
331.0	116	25.0000	41.5	116.4	47.3	132.9	0.0
332.0	114	25.0000	41.2	116.1	47.1	132.7	0.0
333.0	112	25.0000	40.9	115.8	46.7	132.4	0.0
334.0	110	25.0000	40.6	115.4	46.4	132.1	0.0
335.0	109	25.0000	40.4	115.1	46.2	131.9	0.0

AZ (degs)	HAAT (m)	ERPd (kW)	CONTOUR LEVELS (dBu): 60.0	40.0	57.0	37.0	
336.0	109	25.0000	40.5	115.2	46.2	131.9	0.0
337.0	106	25.0000	40.1	114.8	45.8	131.5	0.0
338.0	104	25.0000	39.8	114.4	45.5	131.2	0.0
339.0	103	25.0000	39.6	114.1	45.2	131.0	0.0
340.0	101	25.0000	39.2	113.8	44.9	130.7	0.0
341.0	99	25.0000	38.8	113.3	44.5	130.3	0.0
342.0	97	25.0000	38.6	113.1	44.2	130.0	0.0
343.0	95	25.0000	38.1	112.6	43.7	129.6	0.0
344.0	92	25.0000	37.7	112.2	43.3	129.1	0.0
345.0	91	25.0000	37.5	112.0	43.1	129.0	0.0
346.0	88	25.0000	37.0	111.5	42.6	128.5	0.0
347.0	85	25.0000	36.4	111.0	41.9	127.9	0.0
348.0	83	25.0000	36.0	110.6	41.6	127.6	0.0
349.0	81	25.0000	35.6	110.3	41.2	127.2	0.0
350.0	79	25.0000	35.2	109.8	40.7	126.7	0.0
351.0	78	25.0000	34.9	109.6	40.5	126.5	0.0
352.0	75	25.0000	34.4	109.2	39.9	126.0	0.0
353.0	74	25.0000	34.1	108.9	39.6	125.7	0.0
354.0	72	25.0000	33.8	108.7	39.3	125.4	0.0
355.0	70	25.0000	33.4	108.3	38.9	125.0	0.0
356.0	68	25.0000	32.8	107.8	38.3	124.5	0.0
357.0	66	25.0000	32.5	107.5	38.0	124.2	0.0
358.0	64	25.0000	31.9	107.1	37.4	123.7	0.0
359.0	63	25.0000	31.6	106.8	37.1	123.4	0.0
360.0	61	25.0000	31.3	106.5	36.7	123.1	0.0