

Doug Vernier, Telecommunications Consultants

N. Lat. = 45 05 19 W. Lng. = 93 08 26

HAAT and Distance to Contour - FCC Method - 03 Arc. Sec.

Sample Contour Printout

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	54-F5	40-F5	34-F1	30-F1	25-F1
000	276.5	99.5	0.3500	-4.56	1.000	13.94	20.17	41.70	64.51	78.17	96.70
010	275.4	100.6	0.3500	-4.56	1.000	14.02	20.30	41.90	64.74	78.39	96.90
020	274.6	101.4	0.3500	-4.56	1.000	14.08	20.38	42.03	64.90	78.53	97.03
030	274.1	101.9	0.3500	-4.56	1.000	14.11	20.42	42.10	64.98	78.61	97.10
040	279.3	96.7	0.3500	-4.56	1.000	13.74	19.87	41.22	63.95	77.67	96.24
050	281.4	94.6	0.3500	-4.56	1.000	13.59	19.65	40.86	63.53	77.29	95.90
060	282.4	93.6	0.3500	-4.56	1.000	13.52	19.54	40.68	63.32	77.09	95.72
070	288.2	87.8	0.3500	-4.56	1.000	13.10	18.87	39.60	62.11	75.97	94.72
080	288.9	87.1	0.3500	-4.56	1.000	13.05	18.79	39.47	61.95	75.83	94.59
090	289.6	86.4	0.3500	-4.56	1.000	13.00	18.71	39.34	61.81	75.70	94.48
100	288.5	87.5	0.3500	-4.56	1.000	13.08	18.84	39.55	62.04	75.91	94.67
110	291.7	84.3	0.3500	-4.56	1.000	12.85	18.47	38.94	61.36	75.28	94.11
120	288.8	87.2	0.3500	-4.56	1.000	13.05	18.80	39.48	61.97	75.84	94.61
130	283.6	92.4	0.3500	-4.56	1.000	13.43	19.40	40.45	63.06	76.86	95.51
140	279.7	96.3	0.3500	-4.56	1.000	13.72	19.84	41.16	63.88	77.60	96.18
150	273.1	102.9	0.3500	-4.56	1.000	14.19	20.53	42.28	65.19	78.79	97.27
160	272.5	103.5	0.3500	-4.56	1.000	14.23	20.59	42.37	65.30	78.89	97.37
170	276.2	99.8	0.3500	-4.56	1.000	13.96	20.21	41.76	64.58	78.24	96.76
180	281.9	94.1	0.3500	-4.56	1.000	13.55	19.59	40.77	63.42	77.18	95.80
190	285.1	90.9	0.3500	-4.56	1.000	13.32	19.23	40.19	62.76	76.57	95.26
200	286.2	89.8	0.3500	-4.56	1.000	13.25	19.11	39.99	62.54	76.37	95.07
210	275.7	100.3	0.3500	-4.56	1.000	14.00	20.26	41.85	64.68	78.33	96.85
220	277.4	98.6	0.3500	-4.56	1.000	13.88	20.08	41.55	64.33	78.01	96.55
230	275.8	100.2	0.3500	-4.56	1.000	13.99	20.24	41.82	64.65	78.30	96.82
240	281.7	94.3	0.3500	-4.56	1.000	13.57	19.61	40.80	63.46	77.22	95.84
250	270.2	105.8	0.3500	-4.56	1.000	14.39	20.82	42.74	65.74	79.30	97.74
260	268.3	107.7	0.3500	-4.56	1.000	14.53	21.00	43.04	66.10	79.63	98.05
270	264.1	111.9	0.3500	-4.56	1.000	14.83	21.40	43.69	66.87	80.35	98.73
280	265.5	110.5	0.3500	-4.56	1.000	14.73	21.27	43.47	66.61	80.10	98.50
290	267.6	108.4	0.3500	-4.56	1.000	14.58	21.07	43.16	66.23	79.76	98.17
300	272.4	103.6	0.3500	-4.56	1.000	14.24	20.60	42.38	65.32	78.91	97.38
310	275.4	100.6	0.3500	-4.56	1.000	14.02	20.29	41.89	64.74	78.38	96.89
320	276.7	99.3	0.3500	-4.56	1.000	13.93	20.15	41.67	64.47	78.14	96.67
330	277.8	98.2	0.3500	-4.56	1.000	13.85	20.04	41.48	64.25	77.94	96.49
340	277.2	98.8	0.3500	-4.56	1.000	13.89	20.10	41.59	64.38	78.06	96.60
350	277.1	98.9	0.3500	-4.56	1.000	13.90	20.11	41.60	64.39	78.07	96.61

Ave El= 278.36 M HAAT= 97.64 M AMSL= 376