

TABULATION OF TERRAIN DATA
AND DISTANCES TO CONTOUR FOR
RADIO STATION KHSS(FM)
ATHENA, WASHINGTON
CHANNEL 264C2

Azimuth (deg)	3.2-16.1 km Average Elevation (based on U.S.G.S. 3-Sec. NED Data)	HAAT	ERP (kW)	Contour (dBu)	F(50,50) Distance (km)	Contour (dBu)	F(50,50) Distance (km)
0	550.0	580.0	8.00	70	41.8	60	64.5
5	594.5	535.5	8.00	70	40.0	60	62.2
10	624.3	505.7	8.00	70	38.6	60	60.3
15	636.9	493.1	8.00	70	38.1	60	59.5
20	675.7	454.3	8.00	70	36.4	60	57.2
25	716.6	413.4	8.00	70	34.8	60	54.9
30	755.6	374.4	8.00	70	33.2	60	52.7
35	801.4	328.6	8.00	70	31.0	60	49.9
40	844.5	285.5	8.00	70	28.9	60	47.1
45	898.9	231.1	8.00	70	26.2	60	43.5
50	957.2	172.8	8.00	70	22.9	60	38.9
55	1000.7	129.3	8.00	70	20.0	60	34.0
60	1023.6	106.4	8.00	70	18.1	60	31.1
65	1088.7	41.3	8.00	70	11.2	60	20.0
70	1065.6	64.4	8.00	70	13.8	60	24.7
75	1028.1	101.9	8.00	70	17.7	60	30.5
80	1029.6	100.4	8.00	70	17.6	60	30.3
85	943.0	187.0	8.00	70	23.7	60	40.2
90	899.7	230.3	8.00	70	26.1	60	43.4
95	1015.7	114.3	8.00	70	18.8	60	32.2
100	1039.6	90.4	8.00	70	16.5	60	28.8
105	1153.1	-23.1	8.00	70	9.6	60	17.1
110	1218.2	-88.2	8.00	70	9.6	60	17.1
115	1265.0	-135.0	8.00	70	9.6	60	17.1
120	1310.5	-180.5	8.00	70	9.6	60	17.1
125	1298.8	-168.8	8.00	70	9.6	60	17.1
130	1284.0	-154.0	8.00	70	9.6	60	17.1
135	1264.3	-134.3	8.00	70	9.6	60	17.1
140	1247.7	-117.7	8.00	70	9.6	60	17.1
145	1279.1	-149.1	8.00	70	9.6	60	17.1
150	1215.3	-85.3	8.00	70	9.6	60	17.1
155	1186.2	-56.2	8.00	70	9.6	60	17.1
160	1160.4	-30.4	8.00	70	9.6	60	17.1
165	1118.6	11.4	8.00	70	9.6	60	17.1
170	1128.0	2.0	8.00	70	9.6	60	17.1
175	1076.4	53.6	8.00	70	12.7	60	22.8
180	975.0	155.0	8.00	70	21.8	60	37.0
185	916.6	213.4	8.00	70	25.2	60	42.2
190	865.6	264.4	8.00	70	27.9	60	45.7

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195	812.1	317.9	8.00	70	30.5	60	49.2
200	775.5	354.5	8.00	70	32.3	60	51.5
205	764.0	366.0	8.00	70	32.9	60	52.2
210	730.3	399.7	8.00	70	34.2	60	54.1
215	675.7	454.3	8.00	70	36.4	60	57.2
220	641.7	488.3	8.00	70	37.9	60	59.2
225	581.9	548.1	8.00	70	40.5	60	62.9
230	572.8	557.2	8.00	70	40.9	60	63.4
235	530.7	599.3	8.00	70	42.5	60	65.3
240	497.6	632.4	8.00	70	43.7	60	66.5
245	457.7	672.3	8.00	70	45.0	60	68.0
250	426.1	703.9	8.00	70	46.1	60	69.1
255	399.8	730.2	8.00	70	46.9	60	70.0
260	383.7	746.3	8.00	70	47.5	60	70.6
265	371.2	758.8	8.00	70	47.8	60	71.0
270	360.0	770.0	8.00	70	48.2	60	71.4
275	354.9	775.1	8.00	70	48.3	60	71.5
280	351.3	778.7	8.00	70	48.4	60	71.6
285	347.7	782.3	8.00	70	48.5	60	71.7
290	354.8	775.2	8.00	70	48.3	60	71.5
295	357.9	772.1	8.00	70	48.2	60	71.4
300	359.3	770.7	8.00	70	48.2	60	71.4
305	363.6	766.4	8.00	70	48.1	60	71.2
310	374.4	755.6	8.00	70	47.7	60	70.9
315	384.6	745.4	8.00	70	47.4	60	70.6
320	403.8	726.2	8.00	70	46.8	60	69.9
325	422.1	707.9	8.00	70	46.2	60	69.3
330	437.7	692.3	8.00	70	45.7	60	68.7
335	456.2	673.8	8.00	70	45.1	60	68.0
340	466.1	663.9	8.00	70	44.7	60	67.7
345	476.7	653.3	8.00	70	44.4	60	67.3
350	495.5	634.5	8.00	70	43.7	60	66.6
355	518.1	611.9	8.00	70	42.9	60	65.8
Average	764.7	365.3					