

TABULATION OF TERRAIN DATA
AND DISTANCES TO CONTOUR FOR
WDCG, DURHAM, NORTH CAROLINA
CHANNEL 286C1

Azimuth (deg)	3.2-16.1 km Average Elevation (based on U.S.G.S. 3-Sec. NED Data)(m)	HAAT (m)	Antenna Azimuth Pattern Relative Field	ERP (kW)	77.1 dBu F(50,50) Distance (km)
0	121.8	321.2	1.000	73.0	35.1
5	125.0	318.0	1.000	73.0	34.9
10	131.8	311.2	1.000	73.0	34.6
15	132.1	310.9	1.000	73.0	34.5
20	140.5	302.5	1.000	73.0	34.1
25	131.0	312.0	1.000	73.0	34.6
30	131.6	311.4	1.000	73.0	34.6
35	131.5	311.5	1.000	73.0	34.6
40	136.2	306.8	1.000	73.0	34.3
45	135.5	307.5	1.000	73.0	34.4
50	136.3	306.7	1.000	73.0	34.3
55	131.9	311.1	1.000	73.0	34.5
60	124.6	318.4	1.000	73.0	34.9
65	120.1	322.9	1.000	73.0	35.2
70	116.1	326.9	1.000	73.0	35.4
75	114.6	328.4	1.000	73.0	35.5
80	112.9	330.1	1.000	73.0	35.6
85	115.0	328.0	1.000	73.0	35.5
90	115.7	327.3	1.000	73.0	35.4
95	117.1	325.9	1.000	73.0	35.3
100	108.0	335.0	1.000	73.0	35.8
105	102.1	340.9	1.000	73.0	36.1
110	113.8	329.2	1.000	73.0	35.5
115	126.6	316.4	1.000	73.0	34.8
120	127.3	315.7	1.000	73.0	34.8
125	119.6	323.4	1.000	73.0	35.2
130	115.0	328.0	1.000	73.0	35.5
135	106.2	336.8	1.000	73.0	35.9
140	108.7	334.3	1.000	73.0	35.8
145	112.4	330.6	1.000	73.0	35.6
150	116.4	326.6	1.000	73.0	35.4
155	120.9	322.1	1.000	73.0	35.1
160	121.1	321.9	1.000	73.0	35.1
165	121.7	321.3	1.000	73.0	35.1
170	120.9	322.1	1.000	73.0	35.1
175	122.0	321.0	1.000	73.0	35.1
180	124.3	318.7	1.000	73.0	35.0
185	128.6	314.4	1.000	73.0	34.7

TABULATION OF TERRAIN DATA
AND DISTANCES TO CONTOUR FOR
WDCG, DURHAM, NORTH CAROLINA
CHANNEL 286C1

Azimuth (deg)	3.2-16.1 km Average Elevation (based on U.S.G.S. 3-Sec. NED Data)(m)	HAAT (m)	Antenna Azimuth Pattern Relative Field	ERP (kW)	77.1 dBu F(50,50) Distance (km)
190	131.2	311.8	1.000	73.0	34.6
195	128.2	314.8	1.000	73.0	34.7
200	123.8	319.2	1.000	73.0	35.0
205	117.1	325.9	1.000	73.0	35.3
210	108.4	334.6	1.000	73.0	35.8
215	100.2	342.8	1.000	73.0	36.2
220	90.4	352.6	1.000	73.0	36.7
225	87.0	356.0	1.000	73.0	36.9
230	87.9	355.1	1.000	73.0	36.9
235	92.4	350.6	1.000	73.0	36.6
240	96.8	346.2	1.000	73.0	36.4
245	100.6	342.4	1.000	73.0	36.2
250	105.5	337.5	1.000	73.0	36.0
255	104.1	338.9	1.000	73.0	36.0
260	108.7	334.3	1.000	73.0	35.8
265	105.6	337.4	1.000	73.0	36.0
270	98.3	344.7	1.000	73.0	36.3
275	100.6	342.4	1.000	73.0	36.2
280	105.1	337.9	1.000	73.0	36.0
285	103.6	339.4	1.000	73.0	36.1
290	97.6	345.4	1.000	73.0	36.4
295	103.4	339.6	1.000	73.0	36.1
300	109.5	333.5	1.000	73.0	35.7
305	109.7	333.3	1.000	73.0	35.7
310	113.9	329.1	1.000	73.0	35.5
315	114.9	328.1	1.000	73.0	35.5
320	117.1	325.9	1.000	73.0	35.3
325	116.6	326.4	1.000	73.0	35.4
330	119.0	324.0	1.000	73.0	35.2
335	124.9	318.1	1.000	73.0	34.9
340	125.0	318.0	1.000	73.0	34.9
345	120.8	322.2	1.000	73.0	35.1
350	118.0	325.0	1.000	73.0	35.3
355	117.4	325.6	1.000	73.0	35.3