

**WMLX Figure 2C: Tabulation of Contour Distances,
and differences between distances as predicted by the FCC Standard
and Alternate (Longley-Rice) Methodologies**

Radial		60 dbu FCC Method	70 dbu FCC Method	70 dbu Longley-Rice Method		
Bearing	HAAT	Distance, km	Distance, km	Distance, km	Change %	Note
0.0	171.4	29.5	17.2	31.4	83%	1, 3
10.0	169.8	29.3	17.1	31.9	87%	1, 3
20.0	166.5	29.1	16.9	26.6	57%	
30.0	163.9	28.8	16.8	26.5	58%	
40.0	161.3	28.7	16.6	26.6	60%	
45.0	156.7	28.3	16.3	26.4	62%	1
50.0	155.3	28.1	16.2	26.5	64%	
60.0	149.3	27.7	15.8	26.4	67%	
70.0	143.2	27.1	15.4	26.5	72%	
80.0	145.5	27.4	15.6	26.5	70%	
90.0	144.5	27.3	15.5	26.4	70%	1
100.0	141.9	27.1	15.4	26.3	71%	
110.0	137.4	26.7	15.2	26.1	72%	
120.0	136.4	26.6	15.1	26.6	76%	3
130.0	136.2	26.6	15.0	26.3	75%	
135.0	136.3	26.6	15.0	26.3	75%	1
140.0	137.1	26.7	15.1	26.3	74%	
150.0	136.6	26.6	15.1	26.3	74%	
160.0	140.2	26.9	15.3	26.5	73%	
170.0	142.5	27.1	15.4	26.4	71%	
180.0	146.4	27.4	15.7	26.6	69%	1
190.0	148.5	27.6	15.8	27.6	75%	3
200.0	149.6	27.7	15.8	27.5	74%	
210.0	150.9	27.8	15.9	27.8	75%	3
220.0	152.3	27.9	16.1	27.9	73%	3
225.0	152.4	27.9	16.1	27.9	73%	1, 3
230.0	161.3	28.0	16.1	28.0	74%	3
234.0	154.5	28.7	16.1	28.0	74%	
235.0	155.4	28.1	16.2	27.8	72%	2
236.0	156.5	28.2	16.3	27.4	68%	2
237.0	158.1	28.4	16.4	27.0	65%	2
238.0	159.4	28.5	16.5	26.6	61%	2
239.0	160.4	28.6	16.5	26.6	61%	2
240.0	161.3	28.7	16.6	26.7	61%	1, 2
241.0	162.1	28.7	16.6	26.7	61%	2
242.0	162.7	28.8	16.7	26.8	60%	2
243.0	163.2	28.8	16.7	26.8	60%	2
250.0	164.0	28.8	16.8	27.5	64%	
260.0	165.4	29.0	16.8	29.0	73%	3
270.0	169.9	29.3	17.1	29.3	71%	1, 3
280.0	171.0	29.5	17.2	29.5	72%	3
290.0	167.0	29.2	16.9	26.4	56%	
300.0	166.4	29.1	16.9	27.8	64%	
310.0	166.6	29.1	16.9	29.1	72%	3
315.0	168.1	29.2	17.0	29.2	72%	1, 3

320.0	168.9	29.2	17.1	29.2	71%	3
330.0	170.2	29.4	17.1	29.4	72%	3
340.0	171.9	29.5	17.2	29.5	72%	3
350.0	172.1	29.5	17.2	29.5	72%	3

Average difference:

69%

Notes:

- 1: Radials used to determine HAAT.
- 2: Critical radials used to determine city grade service to Saint Marys, Ohio
- 3: Contour truncated at the distance to the FCC predicted 1.0 mv/m (60 dbu) contour.