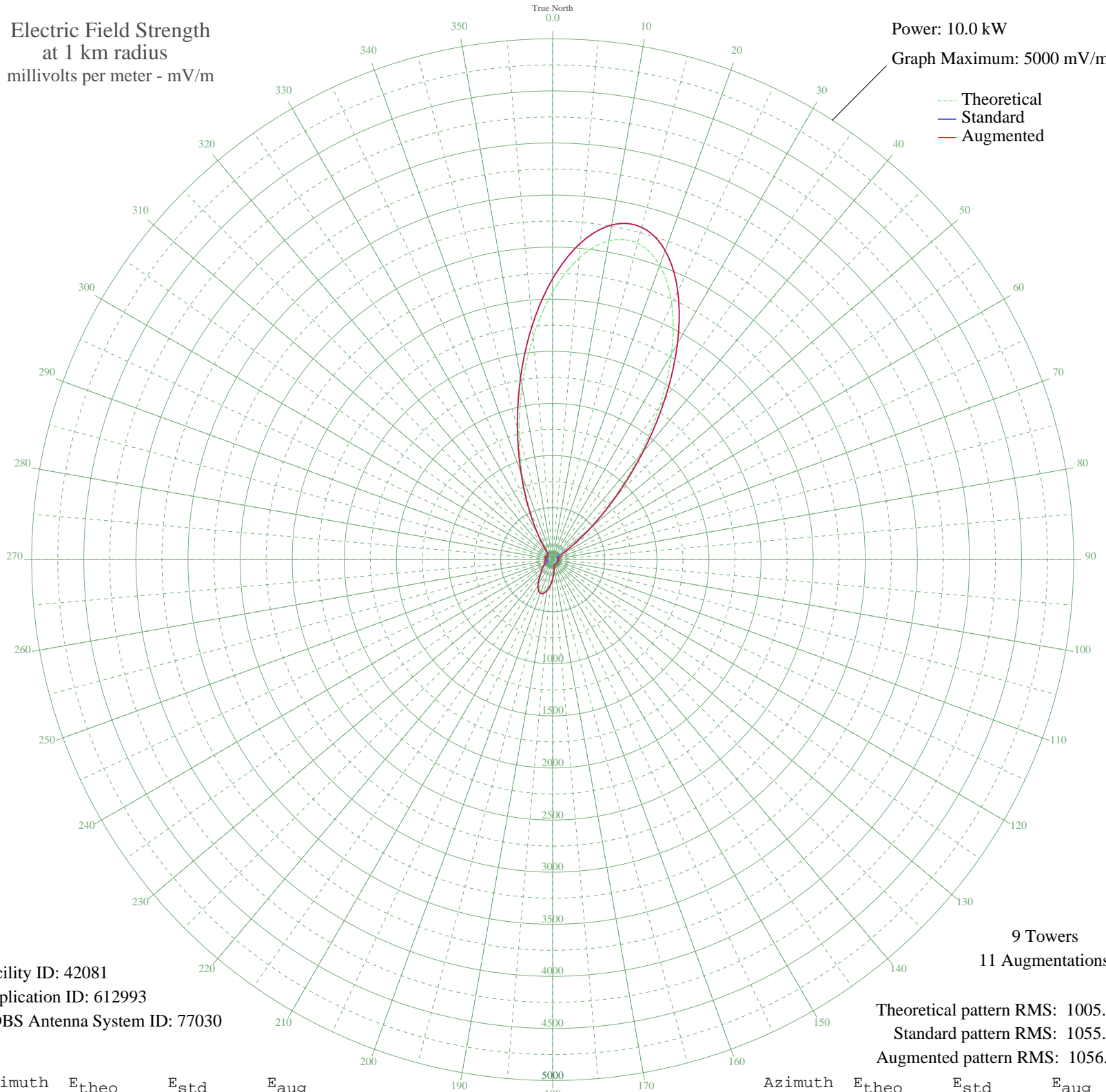


WLQV DETROIT, MI BL-20020909ABR 1500 kHz

Nighttime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 42081  
Application ID: 612993  
CDBS Antenna System ID: 77030

9 Towers  
11 Augmentations

Theoretical pattern RMS: 1005.00  
Standard pattern RMS: 1055.00  
Augmented pattern RMS: 1056.00

Azimuth	Etheo	Estd	Eaug
0	2568.71	2697.34	2697.34
5	2903.93	3049.31	3049.31
10	3106.89	3262.40	3262.40
15	3145.03	3302.45	3302.45
20	3006.93	3157.45	3157.45
25	2706.32	2841.83	2841.83
30	2280.90	2395.17	2395.17
35	1785.54	1875.11	1875.11
40	1281.54	1346.02	1346.02
45	824.61	866.48	866.48
50	455.03	478.93	479.31
55	192.46	204.79	214.82
60	39.92	53.47	104.20
65	44.62	57.43	102.22
70	53.34	65.11	83.25
75	32.89	47.91	48.76
80	19.84	39.20	49.58
85	37.37	51.41	51.41
90	48.58	60.86	60.86
95	46.37	58.93	60.07
100	34.25	48.95	56.70
105	21.13	39.93	55.09
110	22.30	40.63	55.02
115	32.78	47.83	54.59
120	39.91	53.47	54.14
125	41.14	54.49	54.49
130	38.21	52.08	52.69
135	35.09	49.60	52.84
140	35.22	49.70	52.78
145	37.43	51.45	51.91
150	37.26	51.32	54.00
155	31.20	46.64	57.73
160	21.31	40.04	58.09
165	31.59	46.93	60.95
170	68.56	79.28	83.21
175	118.84	129.12	129.21

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	176.25	188.02	188.02
185	234.02	247.95	247.95
190	283.63	299.66	299.66
195	316.15	333.61	333.61
200	324.52	342.36	342.36
205	306.40	323.43	323.43
210	266.22	281.50	281.50
215	215.48	228.68	228.68
220	169.81	181.37	181.37
225	139.99	150.70	150.70
230	121.10	131.42	131.42
235	99.03	109.15	109.15
240	66.84	77.64	87.38
245	29.38	45.32	87.96
250	20.66	39.66	88.89
255	44.20	57.06	79.83
260	54.61	66.26	73.90
265	48.20	60.53	68.80
270	30.61	46.21	68.88
275	24.20	41.81	70.66
280	43.47	56.44	66.67
285	60.91	72.06	72.06
290	65.52	76.39	79.25
295	55.01	66.62	68.54
300	33.92	48.70	60.31
305	24.36	41.91	58.19
310	41.77	55.01	62.03
315	51.74	63.67	64.47
320	54.57	66.22	66.87
325	119.41	129.70	129.77
330	275.31	290.97	290.97
335	517.91	544.82	544.82
340	844.50	887.35	887.35
345	1243.28	1305.87	1305.87
350	1689.85	1774.66	1774.66
355	2147.21	2254.82	2254.82