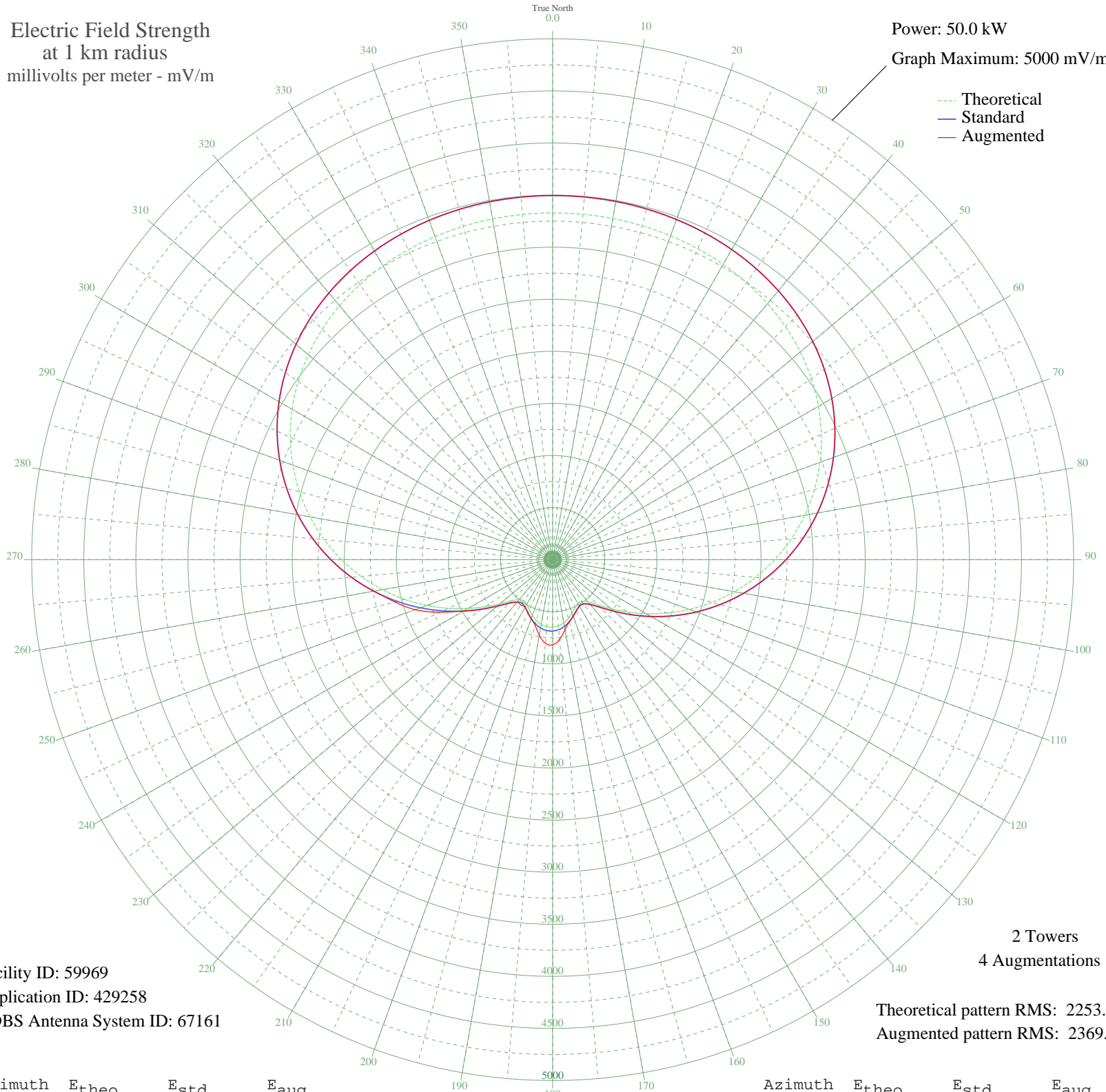


# WDFN DETROIT, MI BL-- 1130 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 59969  
Application ID: 429258  
CDBS Antenna System ID: 67161

2 Towers  
4 Augmentations

Theoretical pattern RMS: 2253.08  
Augmented pattern RMS: 2369.80

Azimuth	Etheo	Estd	Eaug
0	3328.46	3495.68	3495.68
5	3327.95	3495.13	3495.13
10	3324.76	3491.79	3491.79
15	3318.50	3485.22	3485.22
20	3308.49	3474.71	3474.71
25	3293.75	3459.23	3459.23
30	3273.07	3437.53	3437.53
35	3245.10	3408.16	3408.16
40	3208.36	3369.59	3369.59
45	3161.36	3320.26	3320.26
50	3102.68	3258.66	3258.66
55	3031.07	3183.49	3183.49
60	2945.50	3093.67	3093.67
65	2845.30	2988.49	2988.49
70	2730.18	2867.65	2867.65
75	2600.30	2731.33	2731.33
80	2456.34	2580.23	2580.23
85	2299.47	2415.59	2415.59
90	2131.36	2239.16	2239.16
95	1954.16	2053.21	2053.21
100	1770.46	1860.46	1860.46
105	1583.26	1664.08	1664.08
110	1395.93	1467.61	1467.61
115	1212.27	1275.05	1275.05
120	1036.55	1090.91	1090.91
125	873.79	920.48	920.48
130	730.08	770.17	770.17
135	612.95	647.87	647.87
140	530.71	562.17	562.17
145	489.06	518.85	518.85
150	485.60	515.26	515.26
155	509.00	539.58	539.58
160	545.25	577.31	577.31
165	583.18	616.83	616.83
170	615.54	650.57	682.65
175	638.05	674.06	767.81

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	648.45	684.91	817.74
185	645.83	682.18	804.77
190	630.41	666.08	736.53
195	603.59	638.11	653.07
200	568.35	601.37	604.11
205	530.01	561.44	563.33
210	497.34	527.45	528.02
215	482.98	512.54	531.09
220	500.77	531.03	531.03
225	558.93	591.56	591.56
230	656.08	692.87	692.87
235	784.83	827.41	827.41
240	936.98	986.63	986.63
245	1105.59	1163.24	1193.64
250	1285.04	1351.33	1403.35
255	1470.65	1545.96	1568.97
260	1658.35	1742.85	1742.85
265	1844.54	1938.19	1938.19
270	2025.97	2128.57	2128.57
275	2199.83	2311.01	2311.01
280	2363.68	2482.97	2482.97
285	2515.55	2642.38	2642.38
290	2653.99	2787.68	2787.68
295	2778.02	2917.86	2917.86
300	2887.17	3032.43	3032.43
305	2981.46	3131.41	3131.41
310	3061.34	3215.26	3215.26
315	3127.64	3284.86	3284.86
320	3181.48	3341.38	3341.38
325	3224.20	3386.23	3386.23
330	3257.26	3420.93	3420.93
335	3282.14	3447.05	3447.05
340	3300.29	3466.10	3466.10
345	3313.00	3479.45	3479.45
350	3321.41	3488.27	3488.27
355	3326.37	3493.48	3493.48