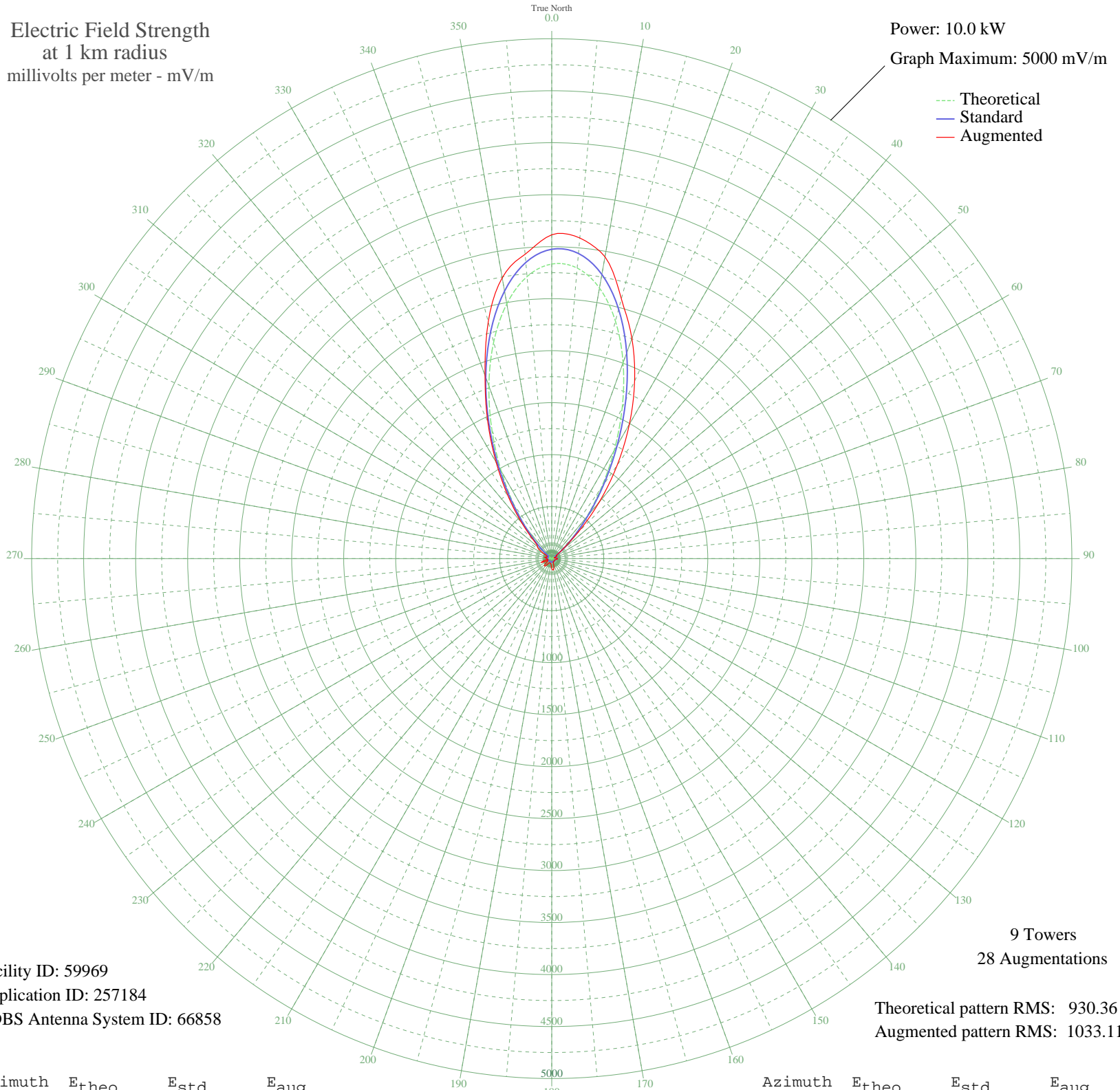


# WDFN DETROIT, MI BL-19971120KA 1130 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 59969  
Application ID: 257184  
CDBS Antenna System ID: 66858

9 Towers  
28 Augmentations

Theoretical pattern RMS: 930.36  
Augmented pattern RMS: 1033.11

Azimuth	Etheo	Estd	Eaug
0	2833.49	2975.35	3114.51
5	2805.57	2946.04	3095.51
10	2642.92	2775.26	2947.70
15	2365.31	2483.80	2586.39
20	2005.42	2105.96	2253.02
25	1603.22	1683.70	1885.00
30	1199.45	1259.86	1492.76
35	829.63	871.74	1096.53
40	519.46	546.44	711.75
45	282.66	298.64	357.78
50	121.05	131.37	134.15
55	26.74	43.49	53.96
60	14.58	36.56	54.35
65	19.93	39.25	50.69
70	5.73	33.74	24.51
75	14.50	36.53	23.51
80	31.50	46.87	33.56
85	40.41	53.88	47.14
90	40.28	53.77	56.82
95	32.95	47.96	52.21
100	21.81	40.33	45.50
105	10.48	34.98	38.89
110	1.89	33.26	31.78
115	2.47	33.31	30.71
120	2.70	33.32	29.15
125	0.21	33.20	30.12
130	2.90	33.34	33.12
135	4.69	33.57	33.57
140	4.09	33.48	33.48
145	1.30	33.23	33.23
150	2.39	33.30	33.30
155	5.16	33.64	33.64
160	5.59	33.72	45.01
165	3.29	33.38	80.31
170	0.82	33.22	105.39
175	4.95	33.61	110.02

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	7.24	34.06	92.70
185	6.64	33.93	62.28
190	3.43	33.40	48.28
195	0.94	33.22	48.16
200	4.50	33.54	47.25
205	5.75	33.75	43.19
210	4.27	33.51	48.15
215	0.92	33.22	57.07
220	2.62	33.32	87.74
225	4.64	33.56	99.85
230	4.23	33.50	83.01
235	1.72	33.25	52.98
240	1.40	33.24	46.55
245	3.04	33.36	38.28
250	1.26	33.23	107.90
255	4.87	33.60	80.47
260	14.82	36.67	36.67
265	26.48	43.31	43.29
270	36.55	50.75	49.41
275	41.35	54.66	54.15
280	37.95	51.87	68.58
285	25.50	42.65	54.20
290	6.38	33.87	47.78
295	12.80	35.82	45.95
300	21.01	39.86	56.33
305	3.34	33.39	134.86
310	57.21	68.64	178.81
315	176.99	188.79	238.73
320	368.21	388.04	446.64
325	635.21	667.80	727.63
330	971.58	1020.70	1067.54
335	1358.69	1427.01	1455.97
340	1766.51	1855.13	1875.93
345	2156.78	2264.86	2358.16
350	2488.29	2612.91	2742.32
355	2723.22	2859.57	2938.25