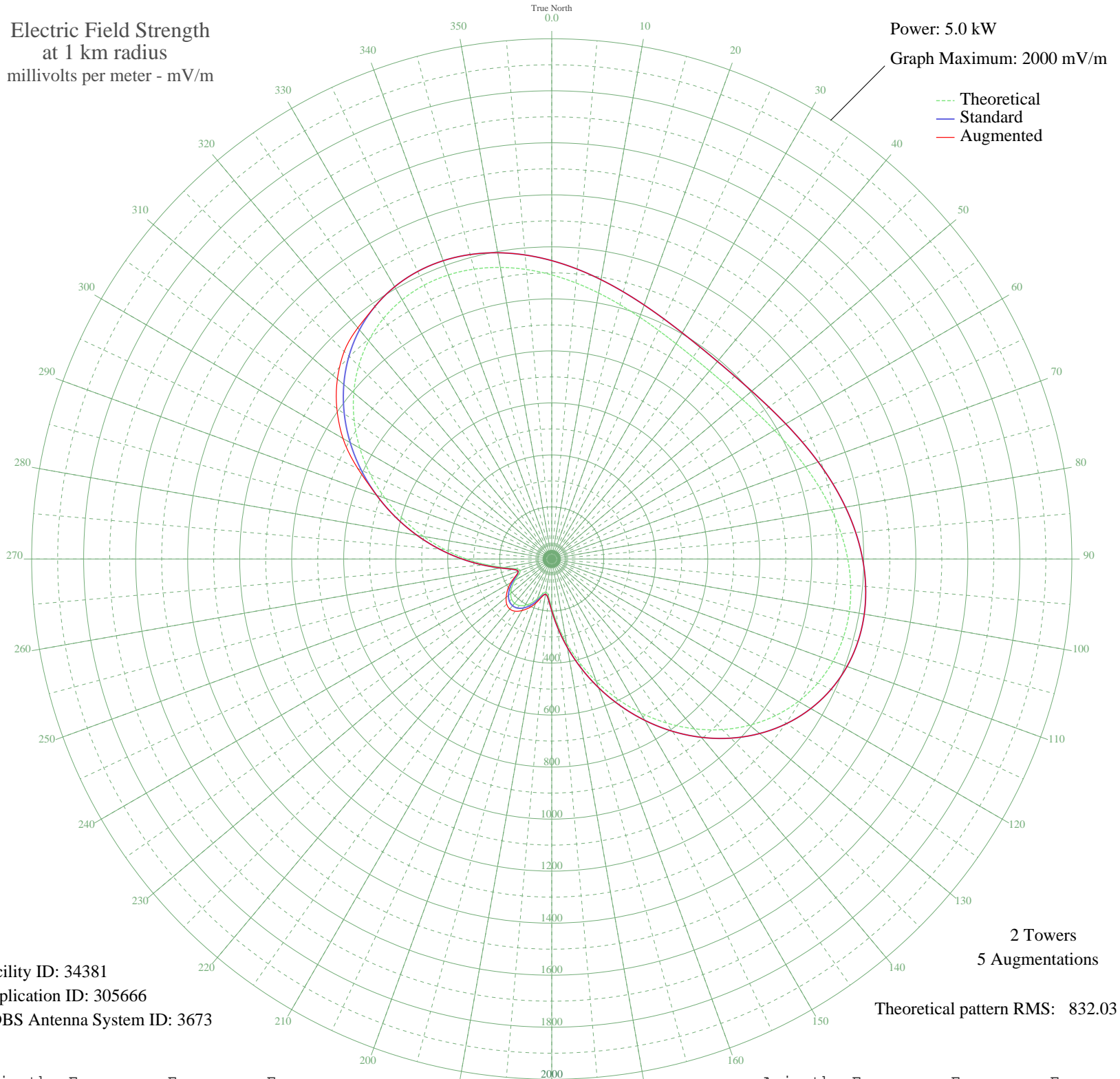


# WBEN BUFFALO, NY BL-- 930 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 34381  
Application ID: 305666  
CDBS Antenna System ID: 3673

2 Towers  
5 Augmentations  
Theoretical pattern RMS: 832.03

Azimuth	Etheo	Estd	Eaug
0	1092.25	1147.10	1147.10
5	1065.36	1118.88	1118.88
10	1038.22	1090.39	1090.39
15	1012.42	1063.30	1063.30
20	989.34	1039.07	1039.07
25	970.15	1018.93	1018.93
30	955.78	1003.85	1003.85
35	946.89	994.51	994.51
40	943.89	991.36	991.36
45	946.89	994.51	994.51
50	955.78	1003.85	1003.85
55	970.15	1018.93	1018.93
60	989.34	1039.07	1039.07
65	1012.42	1063.30	1063.30
70	1038.22	1090.39	1090.39
75	1065.36	1118.88	1118.88
80	1092.25	1147.10	1147.10
85	1117.16	1173.26	1173.26
90	1138.29	1195.44	1195.44
95	1153.83	1211.74	1211.74
100	1162.04	1220.37	1220.37
105	1161.38	1219.67	1219.67
110	1150.56	1208.32	1208.32
115	1128.67	1185.33	1185.33
120	1095.19	1150.19	1150.19
125	1050.10	1102.86	1102.86
130	993.85	1043.81	1043.81
135	927.38	974.03	974.03
140	852.05	894.96	894.96
145	769.60	808.42	808.42
150	682.06	716.55	716.55
155	591.68	621.70	621.70
160	500.81	526.37	526.37
165	411.96	433.20	433.20
170	327.84	345.03	345.03
175	251.67	265.30	265.30

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	188.09	198.89	198.89
185	144.49	153.52	153.52
190	129.22	137.69	137.69
195	140.03	148.89	152.29
200	162.97	172.72	181.40
205	186.76	197.49	207.61
210	205.92	217.49	228.88
215	218.08	230.18	245.02
220	222.22	234.51	251.06
225	218.08	230.18	245.02
230	205.92	217.49	228.88
235	186.76	197.49	207.61
240	162.97	172.72	181.40
245	140.03	148.89	152.29
250	129.22	137.69	137.69
255	144.49	153.52	153.52
260	188.09	198.89	198.89
265	251.68	265.30	265.30
270	327.84	345.03	345.03
275	411.96	433.20	433.20
280	500.81	526.38	526.38
285	591.68	621.70	621.70
290	682.06	716.55	716.55
295	769.60	808.42	822.66
300	852.05	894.96	927.05
305	927.38	974.03	1008.80
310	993.85	1043.81	1076.10
315	1050.10	1102.86	1128.71
320	1095.19	1150.19	1160.11
325	1128.67	1185.33	1185.33
330	1150.56	1208.32	1208.32
335	1161.38	1219.67	1219.67
340	1162.04	1220.37	1220.37
345	1153.83	1211.74	1211.74
350	1138.29	1195.44	1195.44
355	1117.16	1173.26	1173.26