

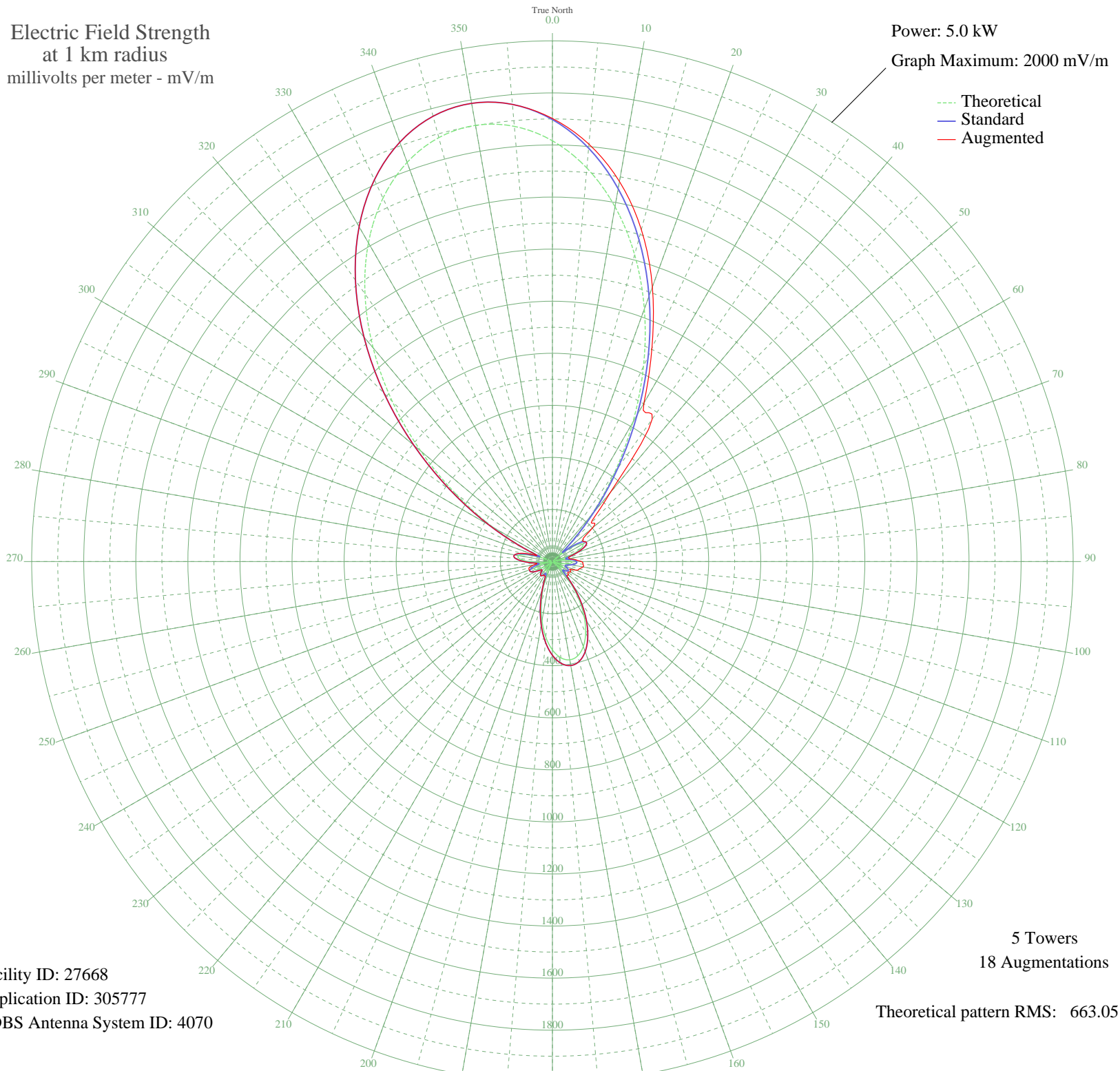
# WNED BUFFALO, NY BL-- 970 kHz

Unlimited Time

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 27668  
Application ID: 305777  
CDBS Antenna System ID: 4070

5 Towers  
18 Augmentations

Theoretical pattern RMS: 663.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1616.27	1697.85	1702.03
5	1517.44	1594.13	1609.30
10	1384.08	1454.18	1482.42
15	1220.29	1282.32	1319.66
20	1032.15	1084.96	1122.53
25	827.95	870.84	904.27
30	618.08	650.99	702.54
35	414.57	438.27	668.14
40	229.99	246.80	343.84
45	76.04	94.71	210.69
50	38.31	64.91	201.16
55	108.08	124.39	141.95
60	133.99	149.62	149.62
65	122.21	138.06	138.06
70	83.70	101.58	101.58
75	32.37	61.24	65.20
80	19.10	54.75	65.40
85	56.50	78.20	86.42
90	74.40	93.26	111.25
95	70.84	90.15	117.81
100	49.48	72.76	119.78
105	18.18	54.40	107.22
110	15.26	53.40	96.50
115	38.52	65.05	73.17
120	46.26	70.39	80.31
125	34.24	62.35	71.48
130	3.06	51.04	80.45
135	47.85	71.55	78.54
140	109.73	125.97	126.69
145	177.27	192.98	192.98
150	243.51	260.71	260.71
155	301.95	321.12	321.12
160	347.13	368.03	368.03
165	375.02	397.05	397.05
170	383.19	405.56	405.56
175	370.96	392.83	392.83

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	339.37	359.97	359.97
185	291.17	309.94	309.94
190	230.69	247.53	247.53
195	163.64	179.22	179.22
200	96.68	113.58	113.58
205	36.77	63.92	66.32
210	10.16	52.05	62.45
215	38.30	64.90	64.90
220	46.22	70.36	70.36
225	34.89	62.75	64.37
230	9.61	51.93	52.20
235	24.73	57.18	57.18
240	54.85	76.89	76.89
245	73.16	92.18	92.18
250	72.56	91.65	94.11
255	50.40	73.46	92.86
260	10.28	52.07	70.24
265	42.94	68.03	68.03
270	92.90	110.05	110.05
275	127.11	142.86	142.86
280	132.09	147.76	147.76
285	97.73	114.57	123.05
290	18.98	54.70	70.76
295	103.89	120.40	120.40
300	264.80	282.67	282.67
305	454.15	479.58	479.58
310	659.95	694.82	694.82
315	869.61	914.51	914.51
320	1071.36	1126.09	1126.09
325	1255.22	1318.97	1318.97
330	1413.34	1484.88	1484.88
335	1540.07	1617.88	1617.88
340	1631.65	1713.98	1713.98
345	1685.79	1770.81	1770.81
350	1701.35	1787.15	1787.15
355	1678.02	1762.66	1762.66