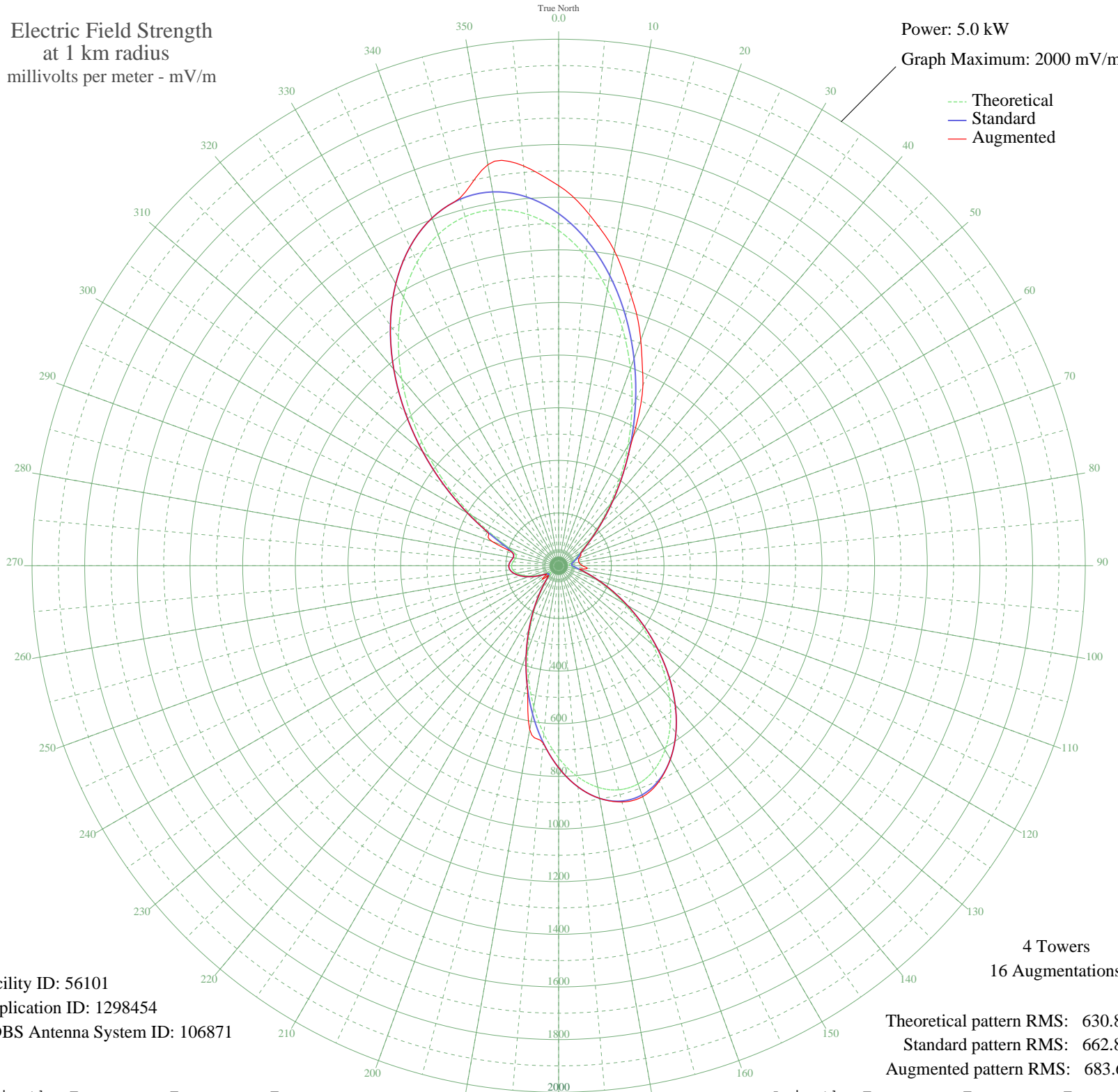


WGR BUFFALO, NY BML-20090226ACL 550 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 56101
Application ID: 1298454
CDBS Antenna System ID: 106871

Theoretical pattern RMS: 630.86
Standard pattern RMS: 662.82
Augmented pattern RMS: 683.64

Azimuth	Etheo	Estd	Eaug
0	1273.86	1337.76	1443.84
5	1180.65	1239.90	1339.04
10	1065.44	1118.96	1216.15
15	935.04	982.07	1062.75
20	796.82	836.99	911.80
25	658.13	691.44	757.55
30	525.80	552.59	565.64
35	405.69	426.62	426.62
40	302.38	318.37	318.37
45	219.05	231.20	231.20
50	157.18	166.70	166.70
55	115.85	123.89	123.89
60	90.72	98.11	98.11
65	74.82	81.99	93.34
70	62.34	69.54	82.08
75	51.30	58.76	78.05
80	43.15	51.03	78.05
85	40.59	48.66	81.59
90	44.59	52.38	90.12
95	54.94	62.28	109.44
100	73.70	80.87	80.87
105	104.64	112.35	112.35
110	150.37	159.62	159.62
115	211.38	223.19	223.19
120	286.38	301.62	301.62
125	372.68	392.02	392.02
130	466.35	490.23	490.23
135	562.45	591.03	591.03
140	655.33	688.49	688.49
145	739.05	776.36	776.36
150	807.88	848.60	848.60
155	856.79	899.94	903.57
160	881.98	926.38	933.42
165	881.26	925.63	929.16
170	854.36	897.38	897.38
175	802.92	843.39	843.39

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	730.46	767.34	767.34
185	641.98	674.49	675.86
190	543.55	571.21	632.27
195	441.67	464.35	464.35
200	342.73	360.63	360.63
205	252.43	266.09	266.09
210	175.36	185.62	185.62
215	114.69	122.69	122.69
220	72.06	79.23	79.23
225	47.60	55.22	55.22
230	39.81	47.94	79.81
235	45.94	53.65	54.59
240	62.83	70.02	70.02
245	86.84	94.16	94.16
250	113.95	121.93	121.93
255	140.07	148.94	148.94
260	161.45	171.14	171.14
265	174.99	185.23	185.23
270	178.89	189.30	189.30
275	173.86	184.06	184.06
280	165.78	175.65	175.65
285	169.43	179.44	179.44
290	204.18	215.67	267.99
295	276.54	291.32	295.87
300	379.40	399.06	399.06
305	503.66	529.36	529.36
310	641.38	673.86	673.86
315	785.12	824.71	824.71
320	927.40	974.05	974.05
325	1060.75	1114.03	1114.03
330	1177.93	1237.04	1237.04
335	1272.37	1336.20	1336.20
340	1338.66	1405.79	1405.79
345	1372.91	1441.75	1446.60
350	1373.13	1441.98	1546.99
355	1339.39	1406.55	1524.37