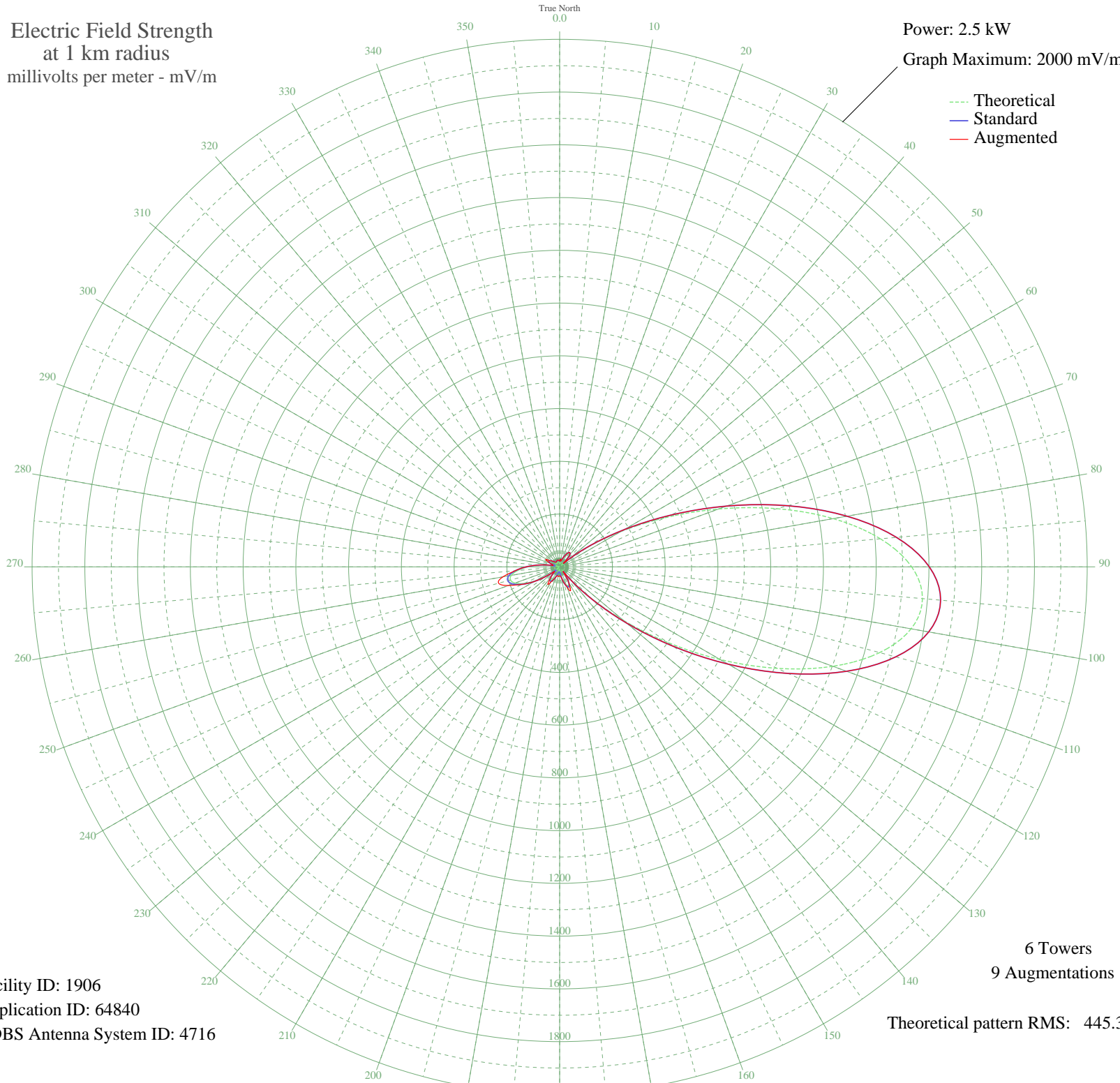


WDCX ROCHESTER, NY BL-19831223AC 990 kHz

Nighttime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 1906
Application ID: 64840
CDBS Antenna System ID: 4716

6 Towers
9 Augmentations

Theoretical pattern RMS: 445.31

Azimuth	E _{theo}	E _{std}	E _{aug}
0	12.62	21.24	21.24
5	11.19	20.34	30.00
10	12.91	21.43	21.43
15	18.81	25.80	25.80
20	28.98	34.66	34.66
25	42.01	47.13	47.13
30	54.58	59.67	59.67
35	61.24	66.41	66.41
40	54.61	59.69	59.69
45	26.28	32.20	32.20
50	34.25	39.61	39.61
55	130.47	138.00	138.00
60	267.04	280.88	280.88
65	440.61	462.94	462.94
70	641.26	673.53	673.53
75	852.53	895.31	895.31
80	1053.27	1106.06	1106.06
85	1220.76	1281.91	1281.91
90	1334.62	1401.45	1401.45
95	1380.55	1449.68	1449.68
100	1352.99	1420.73	1420.73
105	1255.99	1318.90	1318.90
110	1102.29	1157.52	1157.52
115	910.68	956.36	956.36
120	702.62	737.94	737.94
125	498.69	523.89	523.89
130	315.78	331.98	331.98
135	165.43	174.49	174.49
140	53.81	58.89	58.81
145	25.73	31.71	31.42
150	64.39	69.61	69.61
155	77.88	83.44	98.38
160	72.68	78.10	79.91
165	56.73	61.84	61.84
170	37.23	42.47	43.90
175	20.06	26.82	34.56

Azimuth	E _{theo}	E _{std}	E _{aug}
180	9.87	19.57	35.12
185	7.53	18.39	36.98
190	9.36	19.29	35.77
195	18.36	25.44	34.69
200	32.52	37.97	40.28
205	47.20	52.26	52.28
210	57.71	62.83	66.22
215	59.66	64.81	76.74
220	49.65	54.71	54.88
225	26.09	32.03	35.65
230	10.88	20.16	26.92
235	56.05	61.15	61.90
240	104.49	110.96	110.96
245	148.27	156.57	156.57
250	179.78	189.50	206.62
255	193.20	203.54	239.60
260	186.05	196.05	218.48
265	159.84	168.66	168.95
270	119.84	126.92	126.92
275	73.67	79.11	79.11
280	29.43	35.08	35.19
285	6.46	17.93	25.48
290	29.83	35.45	35.45
295	40.55	45.70	52.80
300	40.88	46.02	53.08
305	34.75	40.08	40.08
310	26.39	32.30	32.30
315	19.18	26.10	26.10
320	15.00	22.88	22.88
325	14.14	22.28	22.28
330	15.66	23.37	23.37
335	18.06	25.20	25.20
340	19.86	26.66	26.66
345	20.09	26.84	26.84
350	18.48	25.54	25.54
355	15.58	23.31	23.31

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