

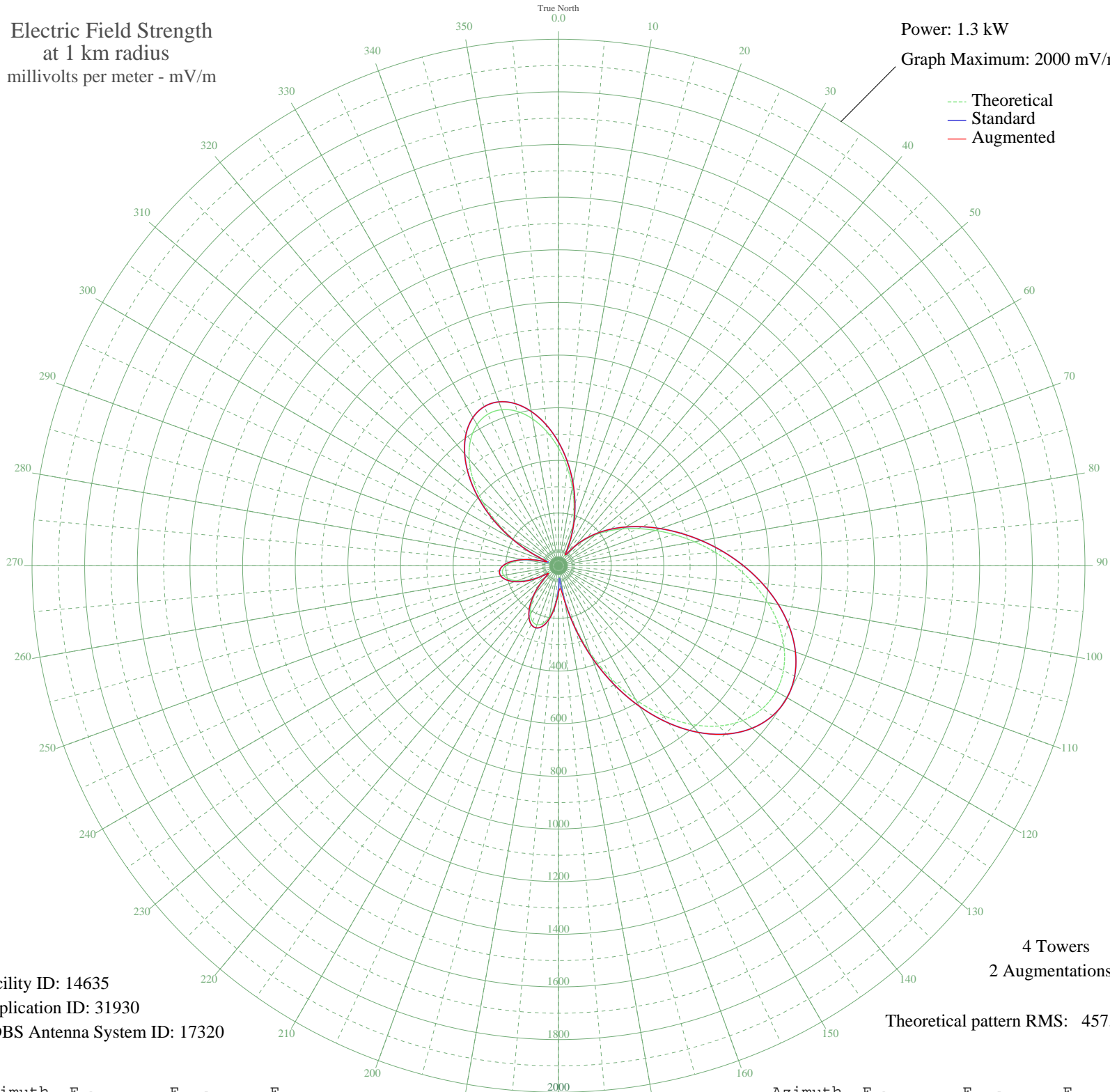
WIMG EWING, NJ BL-19810702AE 1300 kHz

Nighttime

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

Power: 1.3 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 14635
Application ID: 31930
CDBS Antenna System ID: 17320

4 Towers
2 Augmentations
Theoretical pattern RMS: 457.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	447.05	469.68	469.68
5	375.97	395.09	395.09
10	302.37	317.90	317.90
15	229.62	241.64	241.64
20	160.63	169.42	169.42
25	98.43	104.59	104.59
30	51.29	56.18	56.18
35	52.10	57.00	57.00
40	91.46	97.36	97.36
45	136.45	144.16	144.16
50	182.31	192.10	192.10
55	229.58	241.59	241.59
60	279.57	293.98	293.98
65	333.51	350.55	350.55
70	392.26	412.18	412.18
75	456.05	479.12	479.12
80	524.42	550.87	550.87
85	596.11	626.12	626.12
90	669.10	702.74	702.74
95	740.66	777.86	777.86
100	807.50	848.02	848.02
105	865.96	909.40	909.40
110	912.29	958.03	958.03
115	942.93	990.20	990.20
120	954.83	1002.69	1002.69
125	945.74	993.15	993.15
130	914.47	960.33	960.33
135	861.08	904.28	904.28
140	786.95	826.45	826.45
145	694.73	729.64	729.64
150	588.28	617.90	617.90
155	472.36	496.24	496.24
160	352.37	370.34	370.34
165	234.13	246.36	246.36
170	124.40	131.60	139.99
175	43.98	48.87	88.07

Azimuth	E _{theo}	E _{std}	E _{aug}
180	82.86	88.47	104.64
185	147.40	155.60	155.70
190	196.40	206.84	206.84
195	226.77	238.64	238.64
200	238.63	251.07	251.07
205	233.36	245.55	245.55
210	213.12	224.35	224.35
215	180.68	190.38	190.38
220	139.29	147.13	147.13
225	93.26	99.22	99.22
230	51.92	56.81	56.81
235	49.15	54.03	54.03
240	87.31	93.06	93.06
245	130.10	137.53	137.53
250	167.45	176.55	176.55
255	195.47	205.87	205.87
260	211.52	222.67	222.67
265	213.62	224.87	224.87
270	200.38	211.01	211.01
275	171.22	180.50	180.50
280	126.66	133.95	133.95
285	70.01	75.23	75.43
290	37.33	42.33	47.52
295	104.05	110.42	110.42
300	192.31	202.56	202.56
305	284.44	299.10	299.10
310	374.39	393.44	393.44
315	457.02	480.14	480.14
320	527.71	554.33	554.33
325	582.61	611.95	611.95
330	618.91	650.05	650.05
335	635.02	666.96	666.96
340	630.73	662.46	662.46
345	607.11	637.67	637.67
350	566.44	594.97	594.97
355	511.84	537.67	537.67

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission