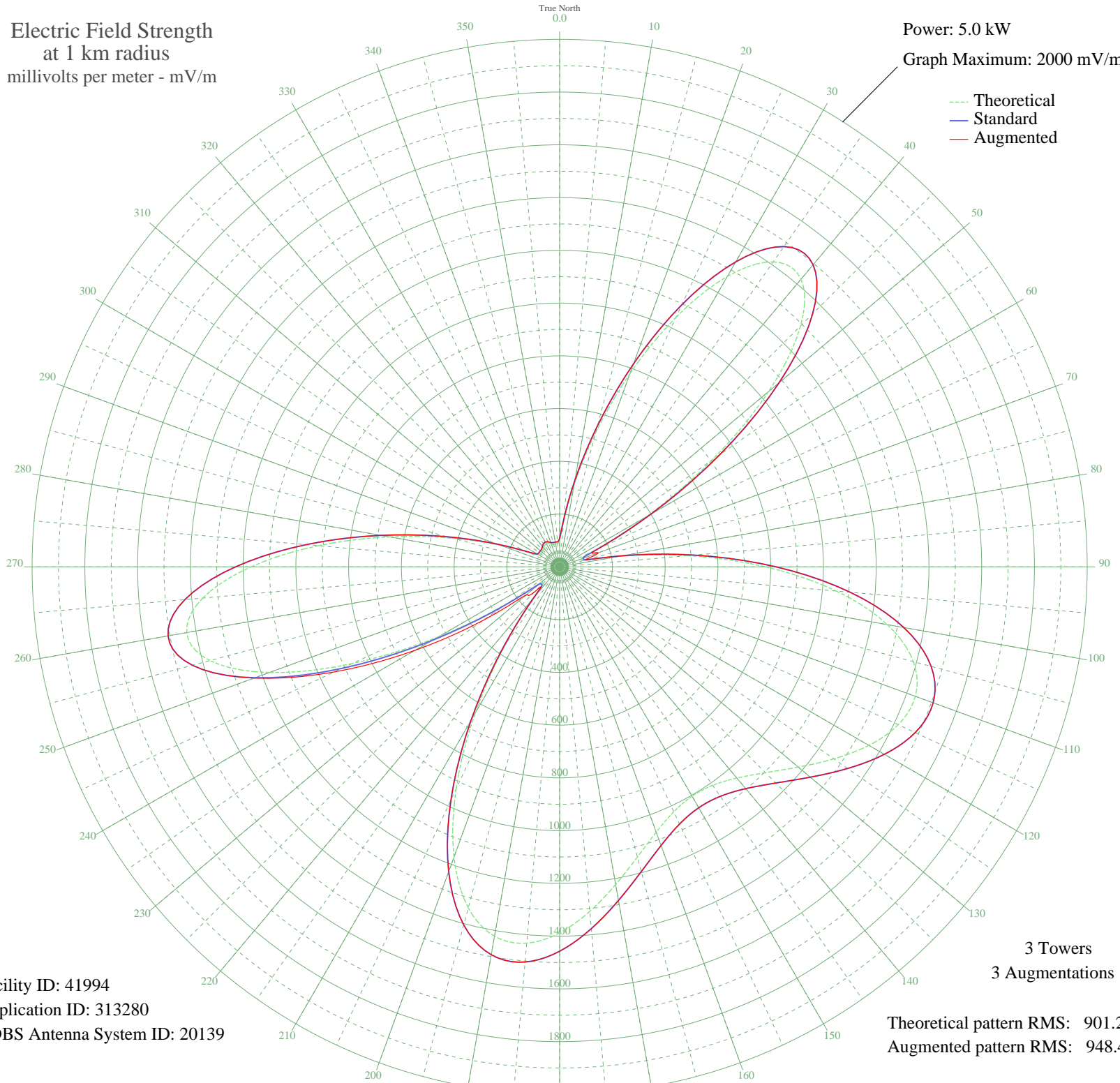


# WSAI CINCINNATI, OH BL-- 1360 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 41994  
Application ID: 313280  
CDBS Antenna System ID: 20139

3 Towers  
3 Augmentations  
Theoretical pattern RMS: 901.23  
Augmented pattern RMS: 948.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	101.58	109.21	109.21
5	172.11	182.23	182.23
10	316.69	333.35	333.35
15	526.01	552.81	552.81
20	779.87	819.20	819.20
25	1043.95	1096.40	1096.40
30	1271.38	1335.16	1335.16
35	1411.45	1482.21	1482.21
40	1423.48	1494.84	1494.84
45	1291.56	1356.34	1356.34
50	1034.33	1086.30	1086.30
55	704.90	740.52	740.52
60	379.95	399.64	399.64
65	146.80	155.92	155.92
70	87.65	94.98	155.75
75	95.15	102.63	102.63
80	229.54	242.16	242.16
85	486.45	511.32	511.32
90	781.12	820.51	820.51
95	1053.00	1105.90	1105.90
100	1261.55	1324.84	1324.84
105	1388.38	1457.99	1457.99
110	1434.90	1506.82	1506.82
115	1416.14	1487.13	1487.13
120	1353.58	1421.45	1421.45
125	1269.09	1332.75	1332.75
130	1181.20	1240.48	1240.48
135	1103.59	1159.01	1159.01
140	1045.22	1097.73	1097.73
145	1011.25	1062.08	1062.08
150	1004.13	1054.60	1054.60
155	1024.31	1075.78	1075.78
160	1070.43	1124.20	1124.20
165	1138.89	1196.06	1196.06
170	1222.82	1284.18	1284.18
175	1311.10	1376.86	1376.86

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1387.65	1457.22	1457.22
185	1432.00	1503.78	1503.78
190	1421.87	1493.15	1493.15
195	1338.02	1405.12	1405.12
200	1171.03	1229.81	1229.81
205	928.42	975.12	975.12
210	639.23	671.60	671.60
215	353.98	372.42	372.42
220	143.26	152.24	152.24
225	87.65	94.98	132.13
230	95.32	102.80	166.06
235	241.22	254.37	351.34
240	530.03	557.02	632.47
245	867.55	911.23	942.91
250	1170.80	1229.57	1233.05
255	1372.53	1441.35	1441.35
260	1435.42	1507.38	1507.38
265	1358.11	1426.21	1426.21
270	1170.05	1228.78	1228.78
275	918.66	964.88	964.88
280	654.28	687.39	687.39
285	418.44	439.99	439.99
290	238.40	251.42	251.42
295	128.98	137.45	137.45
300	90.77	98.16	98.16
305	87.72	95.05	95.05
310	87.67	95.00	95.00
315	88.85	96.21	96.21
320	93.80	101.25	101.25
325	99.26	106.83	106.83
330	100.68	108.29	108.29
335	96.91	104.43	104.43
340	91.05	98.44	98.44
345	87.84	95.18	95.18
350	87.80	95.14	95.14
355	87.79	95.12	95.12

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