

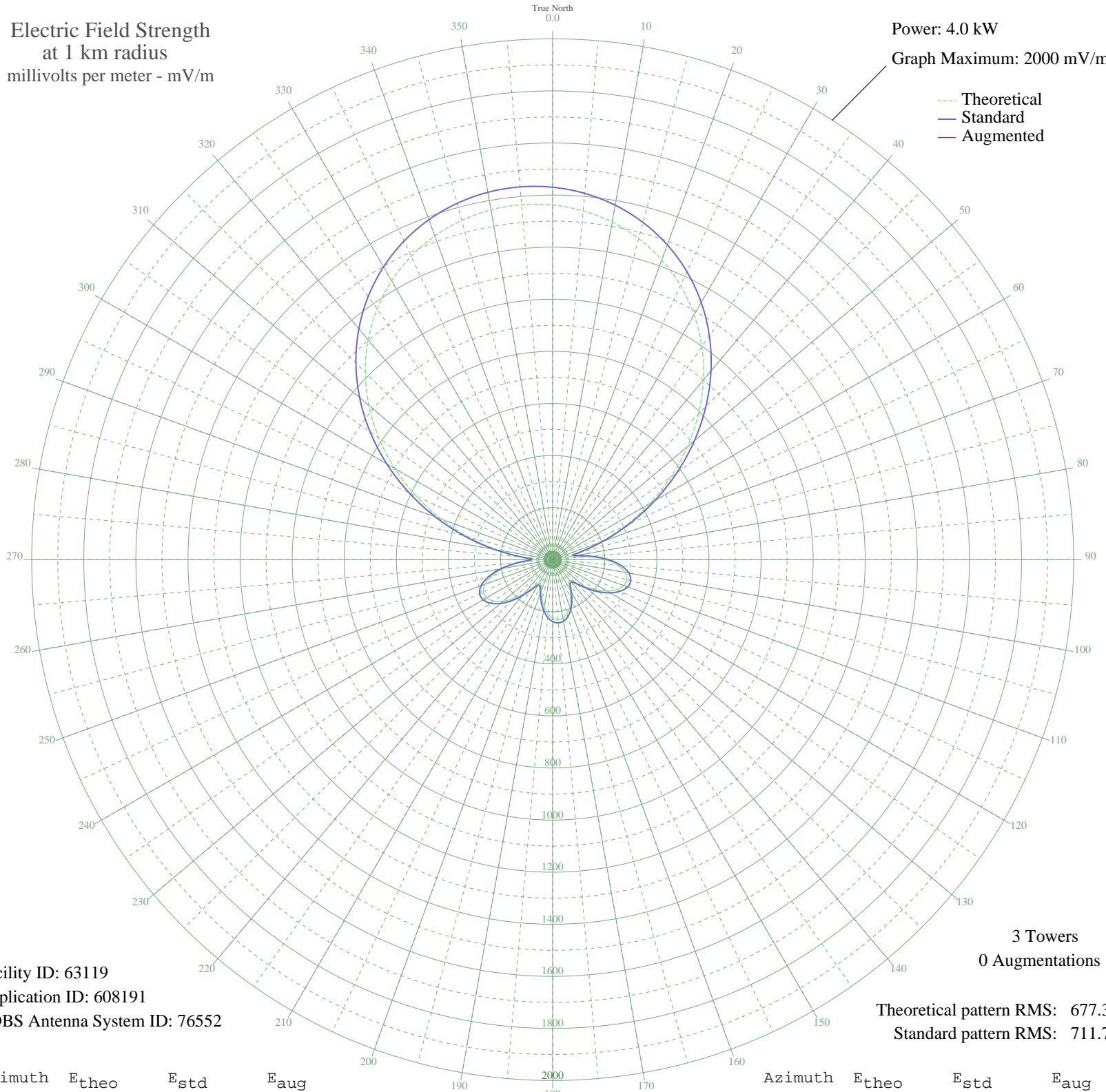
WSUI IOWA CITY, IA BL-20020717ABR 910 kHz

Nighttime

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

Power: 4.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 63119  
Application ID: 608191  
CDBS Antenna System ID: 76552

3 Towers  
0 Augmentations

Theoretical pattern RMS: 677.32  
Standard pattern RMS: 711.77

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1361.72	1430.09	
5	1344.46	1411.97	
10	1316.13	1382.24	
15	1276.41	1340.54	
20	1224.95	1286.52	
25	1161.49	1219.90	
30	1085.96	1140.62	
35	998.63	1048.96	
40	900.23	945.67	
45	791.99	832.08	
50	675.79	710.15	
55	554.14	582.55	
60	430.22	452.64	
65	307.97	324.64	
70	192.81	204.48	
75	97.33	106.15	
80	78.17	86.95	
85	139.30	149.05	
90	202.28	214.32	
95	250.72	264.81	
100	281.51	296.98	
105	294.36	310.40	
110	290.32	306.19	
115	271.51	286.52	
120	240.86	254.53	
125	202.19	214.23	
130	160.51	170.97	
135	123.35	132.66	
140	102.67	111.56	
145	108.48	117.46	
150	133.52	143.10	
155	164.03	174.61	
160	191.98	203.61	
165	213.48	225.99	
170	226.62	239.67	
175	230.44	243.66	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	224.71	237.69	
185	209.81	222.16	
190	186.82	198.25	
195	157.96	168.32	
200	127.71	137.13	
205	105.30	114.23	
210	104.82	113.74	
215	129.91	139.39	
220	168.78	179.53	
225	210.35	222.73	
230	247.77	261.74	
235	276.32	291.55	
240	292.39	308.35	
245	293.19	309.18	
250	276.80	292.06	
255	242.40	256.13	
260	190.66	202.24	
265	125.77	135.14	
270	72.00	80.87	
275	113.35	122.43	
280	214.90	227.46	
285	332.06	349.85	
290	455.01	478.62	
295	578.76	608.37	
300	699.55	735.09	
305	814.34	855.54	
310	920.74	967.21	
315	1017.02	1068.25	
320	1102.02	1157.48	
325	1175.15	1234.24	
330	1236.20	1298.32	
335	1285.29	1349.85	
340	1322.70	1389.13	
345	1348.79	1416.52	
350	1363.87	1432.35	
355	1368.16	1436.85	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission