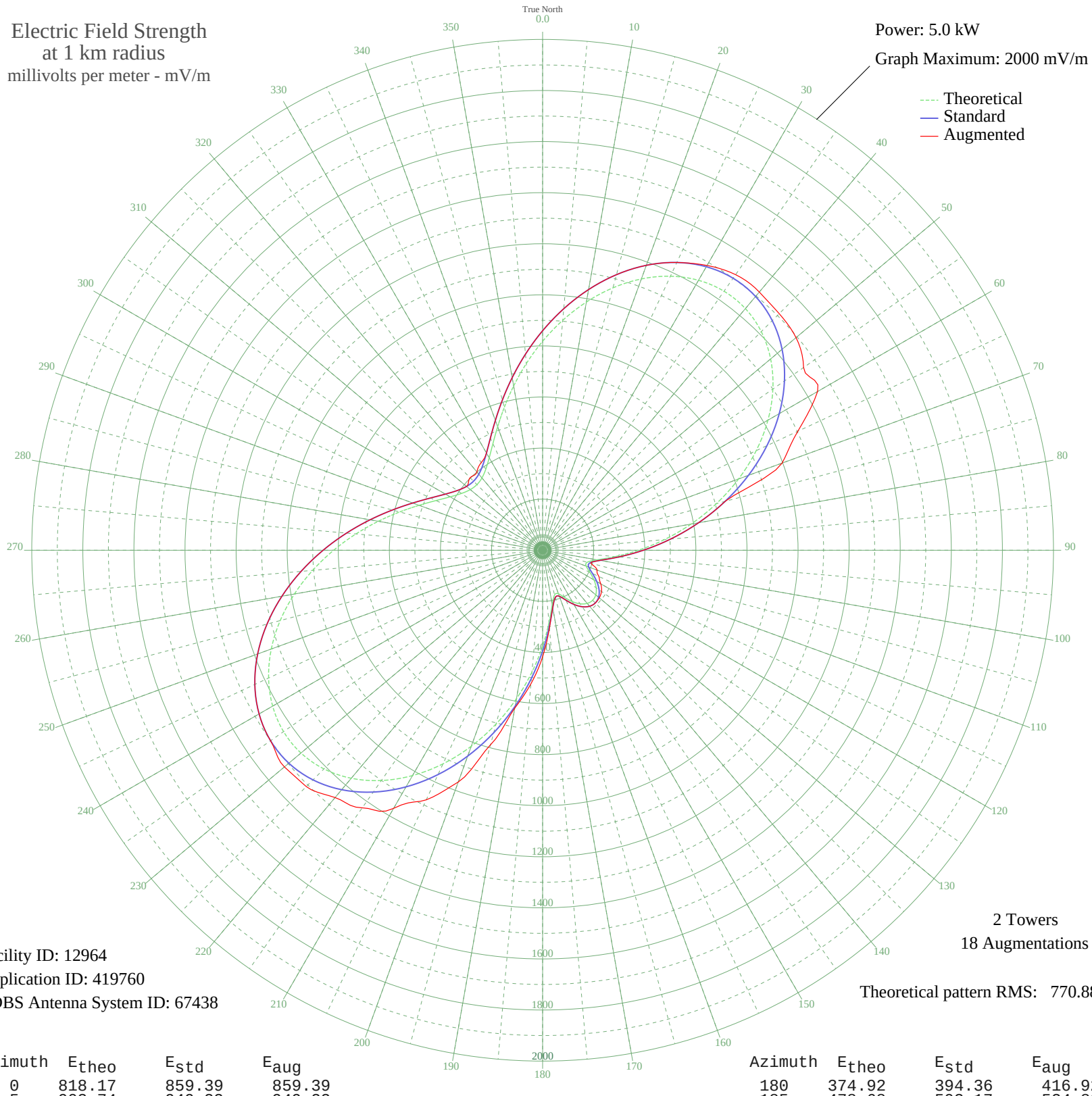
KXNO DES MOINES, IA BL-14198 1460 kHz

Nighttime



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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
18 Augmentations

Facility ID: 12964
Application ID: 419760
CDBS Antenna System ID: 67438

Theoretical pattern RMS: 770.88

Azimuth	E_{theo}	E_{std}	E_{aug}
0	818.17	859.39	859.39
5	903.74	949.22	949.22
10	986.78	1036.39	1036.39
15	1063.58	1117.01	1117.01
20	1130.41	1187.16	1187.16
25	1183.73	1243.14	1243.14
30	1220.45	1281.69	1287.45
35	1238.09	1300.21	1317.19
40	1235.05	1297.01	1319.66
45	1210.66	1271.41	1309.92
50	1165.35	1223.84	1295.15
55	1100.53	1155.79	1247.24
60	1018.58	1069.76	1242.99
65	922.64	969.06	1102.41
70	816.46	857.61	997.79
75	704.16	739.74	739.74
80	590.06	620.01	620.01
85	478.68	503.17	503.17
90	374.92	394.36	394.36
95	284.70	299.86	299.86
100	216.44	228.47	228.47
105	180.86	191.35	195.08
110	181.22	191.72	226.51
115	203.85	215.32	243.04
120	231.99	244.72	262.68
125	256.03	269.86	281.40
130	271.63	286.18	289.73
135	277.00	291.79	291.79
140	271.63	286.18	286.18
145	256.03	269.86	269.86
150	231.99	244.72	244.72
155	203.85	215.32	215.32
160	181.22	191.72	191.72
165	180.86	191.35	191.35
170	216.44	228.47	228.47
175	284.70	299.86	305.94

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	374.92	394.36	416.92
185	478.68	503.17	524.82
190	590.06	620.01	627.42
195	704.16	739.74	788.58
200	816.46	857.61	965.61
205	922.64	969.06	1078.26
210	1018.58	1069.76	1166.89
215	1100.53	1155.79	1231.16
220	1165.35	1223.84	1264.02
225	1210.66	1271.41	1308.50
230	1235.05	1297.01	1319.66
235	1238.09	1300.21	1300.21
240	1220.45	1281.69	1281.69
245	1183.73	1243.14	1243.14
250	1130.41	1187.16	1187.16
255	1063.58	1117.01	1117.01
260	986.78	1036.39	1036.39
265	903.74	949.22	949.22
270	818.17	859.39	859.39
275	733.55	770.58	770.58
280	653.04	686.09	686.09
285	579.35	608.77	608.77
290	514.64	540.88	540.88
295	460.53	484.12	484.12
300	418.05	439.58	439.58
305	387.70	407.76	407.76
310	369.56	388.75	388.75
315	363.53	382.43	401.69
320	369.56	388.75	400.53
325	387.70	407.76	419.01
330	418.05	439.58	439.58
335	460.53	484.12	484.12
340	514.64	540.88	540.88
345	579.35	608.77	608.77
350	653.04	686.10	686.10
355	733.55	770.58	770.58