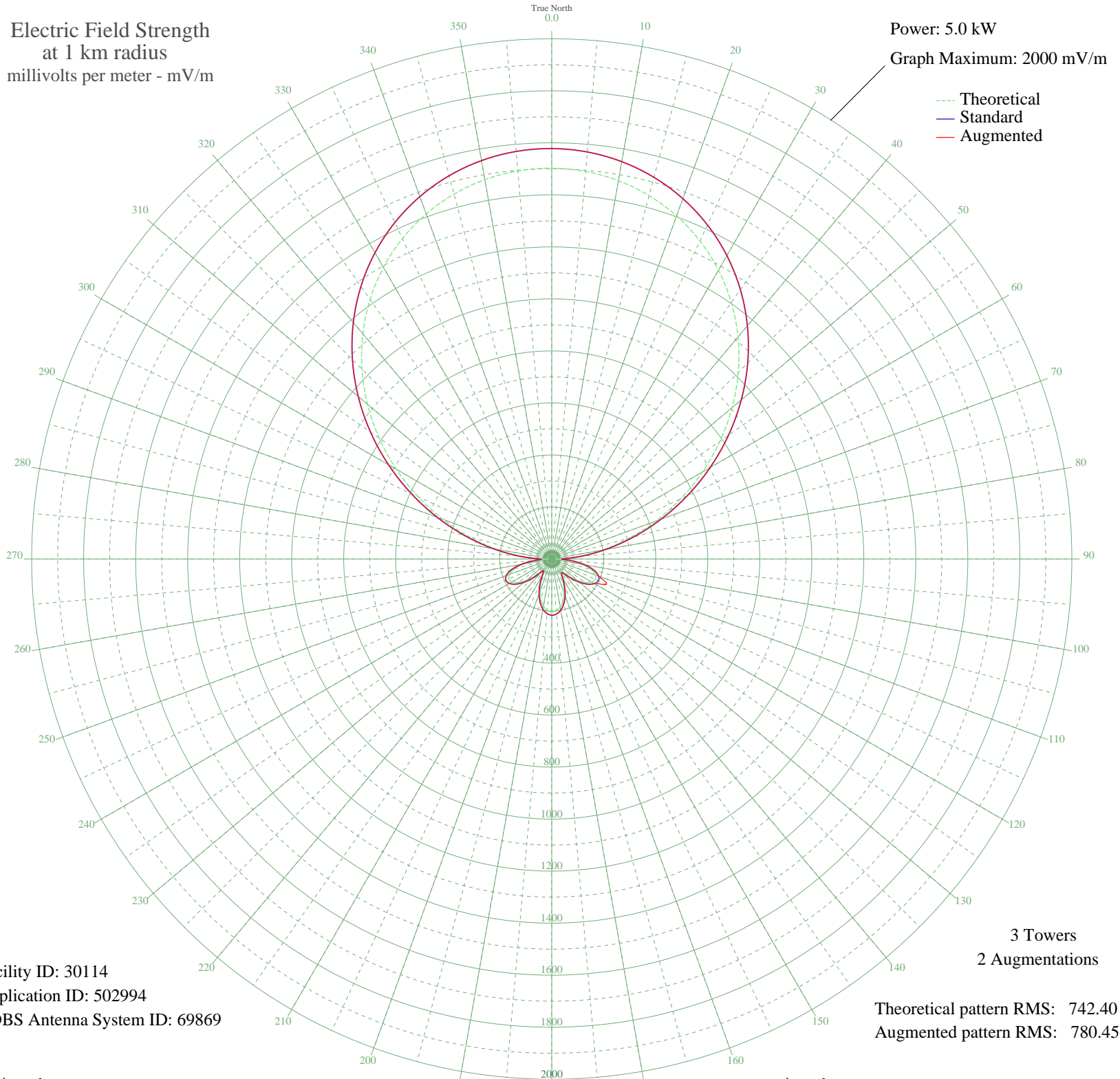


KGLO MASON CITY, IA BL-19980514KA 1300 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 30114
Application ID: 502994
CDBS Antenna System ID: 69869

3 Towers
2 Augmentations

Theoretical pattern RMS: 742.40
Augmented pattern RMS: 780.45

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1502.42	1577.93	1577.93
5	1495.55	1570.71	1570.71
10	1476.87	1551.10	1551.10
15	1446.28	1519.00	1519.00
20	1403.69	1474.29	1474.29
25	1349.03	1416.91	1416.91
30	1282.34	1346.91	1346.91
35	1203.90	1264.58	1264.58
40	1114.27	1170.51	1170.51
45	1014.37	1065.67	1065.67
50	905.59	951.51	951.51
55	789.75	829.98	829.98
60	669.16	703.49	703.49
65	546.53	574.92	574.92
70	424.86	447.47	447.47
75	307.36	324.62	324.62
80	197.24	210.04	210.04
85	97.68	108.38	108.38
90	15.66	38.68	38.68
95	63.30	75.13	75.13
100	118.43	129.19	129.19
105	156.98	168.51	168.51
110	178.83	191.01	191.98
115	184.87	197.25	231.74
120	176.76	188.88	188.88
125	156.80	168.32	168.32
130	127.93	138.81	138.81
135	94.19	104.92	104.92
140	62.99	74.84	74.84
145	52.45	65.26	65.26
150	73.65	84.89	84.89
155	106.60	117.28	117.28
160	139.03	150.12	150.12
165	166.57	178.36	178.36
170	187.13	199.58	199.58
175	199.52	212.40	212.40

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	203.08	216.09	216.09
185	197.63	210.44	210.44
190	183.36	195.68	195.68
195	160.92	172.55	172.55
200	131.46	142.40	142.40
205	96.93	107.63	107.63
210	61.49	73.44	73.44
215	40.03	54.70	54.70
220	58.03	70.27	70.27
225	93.45	104.18	104.18
230	128.33	139.22	139.22
235	156.90	168.42	168.42
240	175.72	187.79	187.79
245	182.08	194.37	194.37
250	173.87	185.89	185.89
255	149.57	160.90	160.90
260	108.40	119.08	119.08
265	50.53	63.57	64.32
270	25.82	44.28	48.28
275	113.95	124.66	124.66
280	215.49	228.95	228.95
285	326.97	345.10	345.10
290	445.29	468.87	468.87
295	567.26	596.65	596.65
300	689.69	725.02	725.02
305	809.62	850.82	850.82
310	924.39	971.24	971.24
315	1031.78	1083.93	1083.93
320	1130.03	1187.04	1187.04
325	1217.83	1279.21	1279.21
330	1294.33	1359.50	1359.50
335	1359.02	1427.40	1427.40
340	1411.67	1482.66	1482.66
345	1452.24	1525.26	1525.26
350	1480.82	1555.26	1555.26
355	1497.52	1572.78	1572.78