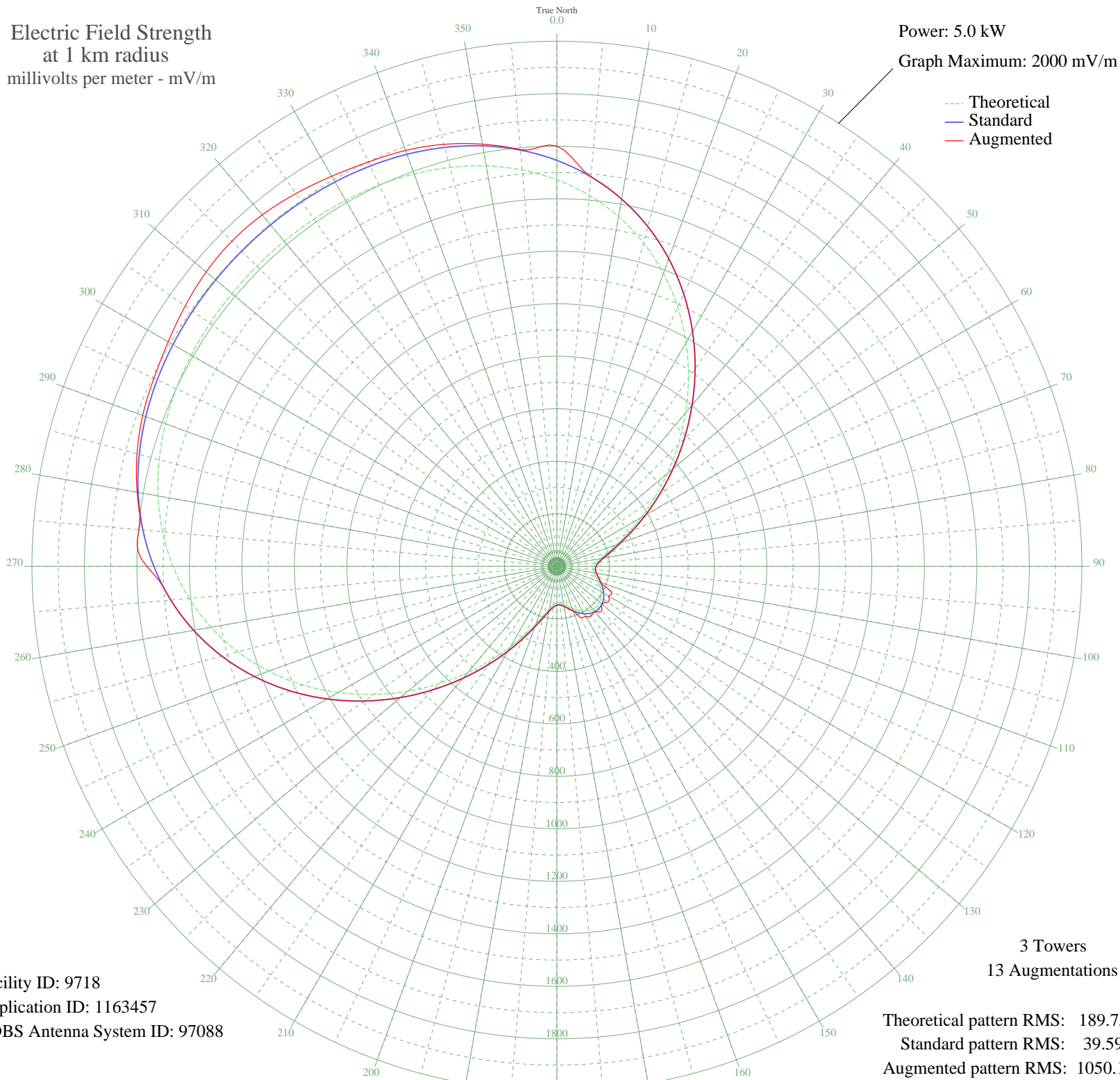


KGYM CEDAR RAPIDS, IA BL-20061122AIS 1600 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 9718
Application ID: 1163457
CDBS Antenna System ID: 97088

Theoretical pattern RMS: 189.75
Standard pattern RMS: 39.59
Augmented pattern RMS: 1050.14

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1472.23	1546.08	1600.40
5	1418.20	1489.35	1489.35
10	1352.54	1420.43	1420.43
15	1275.25	1339.28	1339.28
20	1186.99	1246.63	1246.63
25	1089.16	1143.94	1143.94
30	983.91	1033.45	1033.45
35	873.98	918.08	918.08
40	762.61	801.19	801.19
45	653.26	686.44	686.44
50	549.37	577.47	577.47
55	454.12	477.59	477.59
60	370.13	389.57	389.57
65	299.23	315.34	315.34
70	242.31	255.84	255.84
75	199.21	210.89	214.37
80	168.85	179.32	182.40
85	149.60	159.37	159.37
90	139.88	149.31	149.31
95	138.31	147.70	147.70
100	143.54	153.09	153.09
105	153.82	163.74	163.74
110	167.11	177.51	178.03
115	181.29	192.24	227.94
120	194.47	205.96	228.05
125	205.14	217.07	237.35
130	212.18	224.40	224.40
135	214.91	227.25	241.04
140	213.08	225.35	225.71
145	206.86	218.87	229.52
150	196.85	208.43	220.05
155	184.06	195.12	215.57
160	169.94	180.45	180.45
165	156.31	166.31	166.31
170	145.25	154.87	154.87
175	138.86	148.27	148.27

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	138.95	148.36	148.36
185	146.94	156.62	156.62
190	164.16	174.46	174.46
195	192.16	203.56	203.56
200	232.61	245.71	245.71
205	286.72	302.25	302.25
210	354.86	373.57	373.46
215	436.35	458.96	458.07
220	529.54	556.66	556.66
225	631.93	664.07	664.07
230	740.46	777.95	777.95
235	851.71	894.70	894.70
240	962.20	1010.67	1010.67
245	1068.62	1122.38	1122.38
250	1168.13	1226.83	1226.83
255	1258.44	1321.64	1321.64
260	1338.01	1405.16	1405.16
265	1406.01	1476.55	1476.55
270	1462.33	1535.69	1562.44
275	1507.49	1583.09	1597.51
280	1542.45	1619.79	1623.97
285	1568.52	1647.17	1656.09
290	1587.20	1666.77	1679.28
295	1599.98	1680.19	1693.86
300	1608.28	1688.91	1709.95
305	1613.31	1694.19	1728.63
310	1615.99	1697.00	1744.23
315	1616.91	1697.97	1751.15
320	1616.30	1697.33	1746.81
325	1614.01	1694.92	1733.29
330	1609.52	1690.21	1715.53
335	1601.96	1682.27	1699.18
340	1590.18	1669.90	1685.48
345	1572.80	1651.66	1663.80
350	1548.33	1625.96	1632.65
355	1515.26	1591.25	1593.06