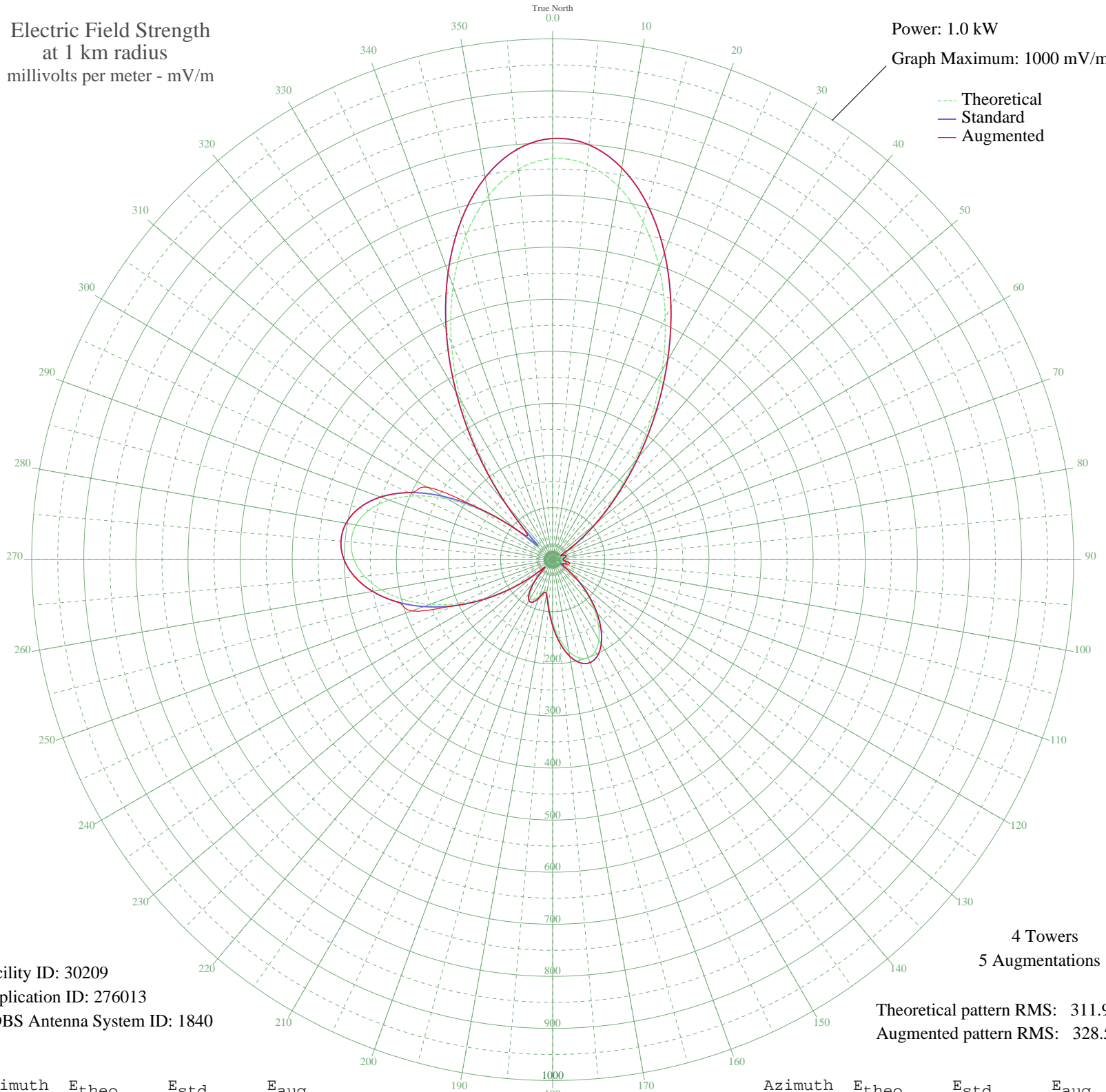


KGFX PIERRE, SD BL-19981023AA 1060 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 30209
Application ID: 276013
CDBS Antenna System ID: 1840

4 Towers
5 Augmentations

Theoretical pattern RMS: 311.95
Augmented pattern RMS: 328.51

Azimuth	E _{theo}	E _{std}	E _{aug}
0	770.12	808.71	808.71
5	761.32	799.47	799.47
10	727.33	763.78	763.78
15	671.14	704.80	704.80
20	597.33	627.30	627.30
25	511.54	537.24	537.24
30	419.94	441.09	441.09
35	328.55	345.17	345.17
40	242.71	255.11	255.11
45	166.64	175.36	175.36
50	103.23	109.01	109.01
55	54.12	57.99	57.99
60	20.71	24.64	24.64
65	12.77	17.72	17.72
70	20.51	24.46	24.46
75	22.81	26.61	26.61
80	20.14	24.12	24.12
85	16.11	20.51	20.51
90	15.48	19.97	19.97
95	19.02	23.09	23.93
100	22.53	26.35	31.97
105	22.85	26.65	32.92
110	18.49	22.61	24.42
115	10.44	15.96	22.59
120	14.98	19.54	21.17
125	36.03	39.57	39.57
130	63.14	67.30	67.30
135	93.46	98.81	98.81
140	124.48	131.22	131.22
145	153.44	161.53	161.53
150	177.41	186.64	186.64
155	193.65	203.66	203.66
160	199.95	210.26	210.26
165	195.01	205.09	205.09
170	178.79	188.09	188.09
175	152.77	160.82	160.82

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	120.26	126.80	126.80
185	87.13	92.22	92.22
190	63.75	67.94	67.94
195	61.81	65.93	65.93
200	74.28	78.85	78.85
205	84.99	89.98	89.98
210	85.74	90.77	90.77
215	73.77	78.32	78.32
220	49.28	53.03	53.03
225	18.50	22.62	22.62
230	39.95	43.52	43.52
235	90.41	95.64	95.64
240	144.96	152.65	152.65
245	199.36	209.65	209.65
250	250.56	263.34	288.07
255	296.10	311.13	311.13
260	334.02	350.92	350.92
265	362.79	381.11	381.11
270	381.20	400.43	400.43
275	388.31	407.89	407.89
280	383.32	402.66	402.66
285	365.58	384.03	384.03
290	334.55	351.47	351.47
295	289.91	304.63	304.63
300	231.69	243.56	278.42
305	160.62	169.05	169.05
310	79.93	84.73	86.37
315	42.75	46.36	69.36
320	133.73	140.90	140.90
325	241.76	254.12	254.12
330	352.42	370.22	370.22
335	459.94	483.08	483.08
340	558.84	586.89	586.89
345	643.71	675.99	675.99
350	709.63	745.20	745.20
355	752.62	790.34	790.34