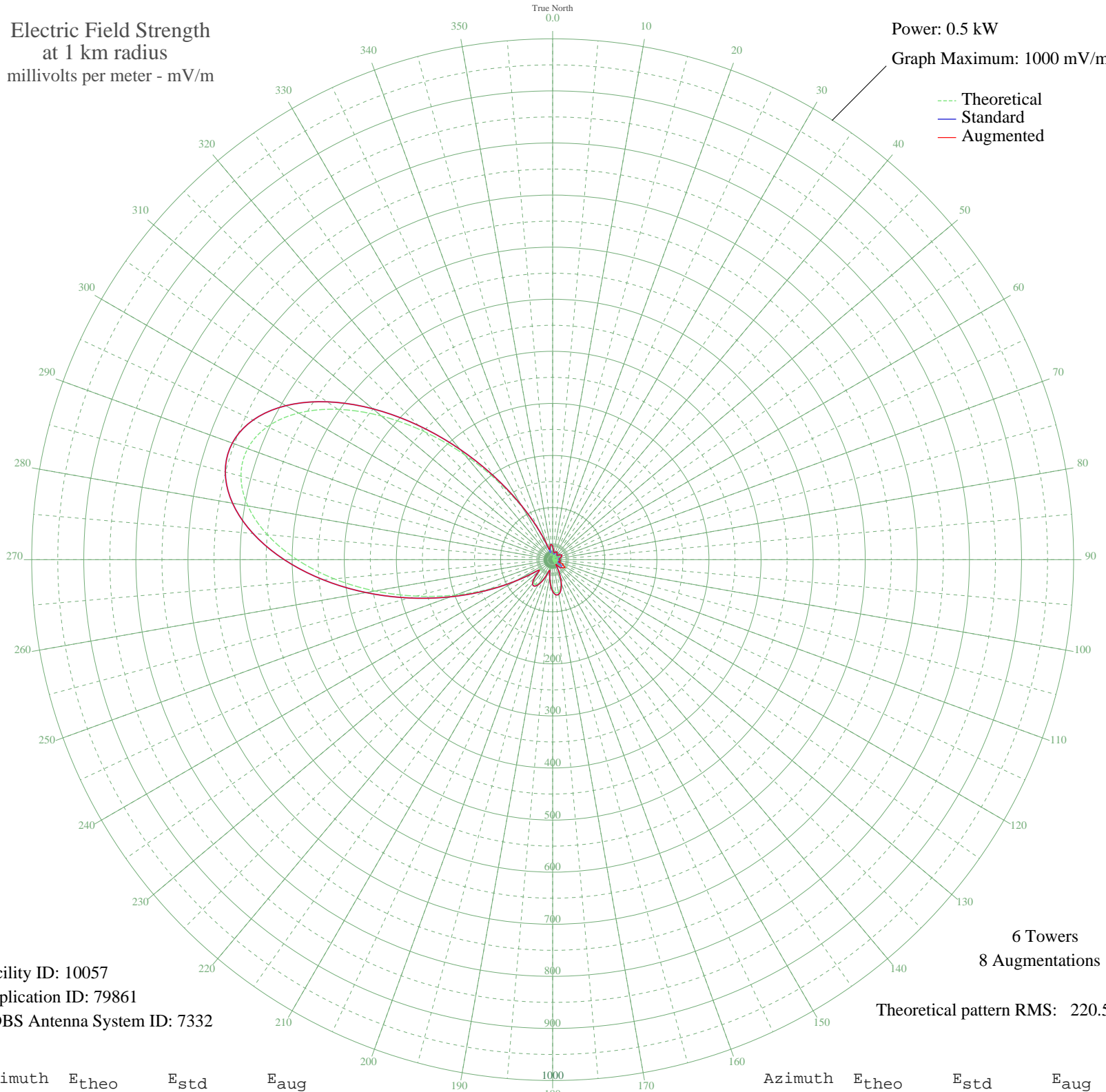


KMXA AURORA, CO BL-19850710AD 1090 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 10057
Application ID: 79861
CDBS Antenna System ID: 7332

6 Towers
8 Augmentations

Theoretical pattern RMS: 220.56

Azimuth	E _{theo}	E _{std}	E _{aug}
0	21.84	25.22	25.22
5	13.75	17.86	18.06
10	4.56	11.54	13.94
15	3.66	11.18	13.95
20	9.56	14.52	15.06
25	12.47	16.79	16.79
30	12.36	16.70	16.70
35	9.63	14.58	14.58
40	4.98	11.73	12.52
45	0.68	10.52	12.20
50	6.40	12.46	13.21
55	11.27	15.82	15.82
60	14.55	18.53	18.53
65	15.70	19.55	19.55
70	14.54	18.53	18.53
75	11.24	15.79	15.79
80	6.41	12.47	13.86
85	2.05	10.72	13.70
90	5.36	11.91	13.35
95	9.03	14.15	14.15
100	10.39	15.14	15.14
105	8.79	13.98	13.98
110	4.33	11.44	11.44
115	2.26	10.77	23.00
120	9.56	14.53	25.52
125	15.80	19.63	26.40
130	19.14	22.67	24.00
135	18.12	21.73	21.73
140	12.02	16.42	16.42
145	1.07	10.56	10.56
150	13.50	17.64	17.64
155	29.65	32.86	32.86
160	44.93	48.33	48.33
165	56.87	60.63	60.63
170	63.49	67.49	67.49
175	63.59	67.59	67.59

Azimuth	E _{theo}	E _{std}	E _{aug}
180	57.00	60.77	60.77
185	44.68	48.07	48.07
190	29.09	32.30	32.30
195	17.64	21.29	21.29
200	24.76	28.04	28.04
205	39.75	43.04	43.04
210	52.05	55.65	55.65
215	58.14	61.94	61.94
220	56.17	59.90	59.90
225	45.67	49.09	49.09
230	31.06	34.26	34.26
235	38.07	41.33	41.33
240	77.51	82.06	82.06
245	132.79	139.82	139.82
250	198.26	208.43	208.43
255	270.60	284.32	284.32
260	346.26	363.73	363.73
265	421.14	442.32	442.32
270	490.61	515.25	515.25
275	549.82	577.40	577.40
280	594.09	623.88	623.88
285	619.44	650.50	650.50
290	623.11	654.35	654.35
295	604.01	634.30	634.30
300	563.04	591.28	591.28
305	503.14	528.40	528.40
310	429.07	450.64	450.64
315	346.85	364.34	364.34
320	263.04	276.39	276.39
325	183.90	193.38	193.38
330	114.63	120.82	120.82
335	58.90	62.73	63.10
340	19.18	22.71	26.84
345	12.17	16.54	21.29
350	23.54	26.85	27.25
355	26.11	29.36	29.36

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