

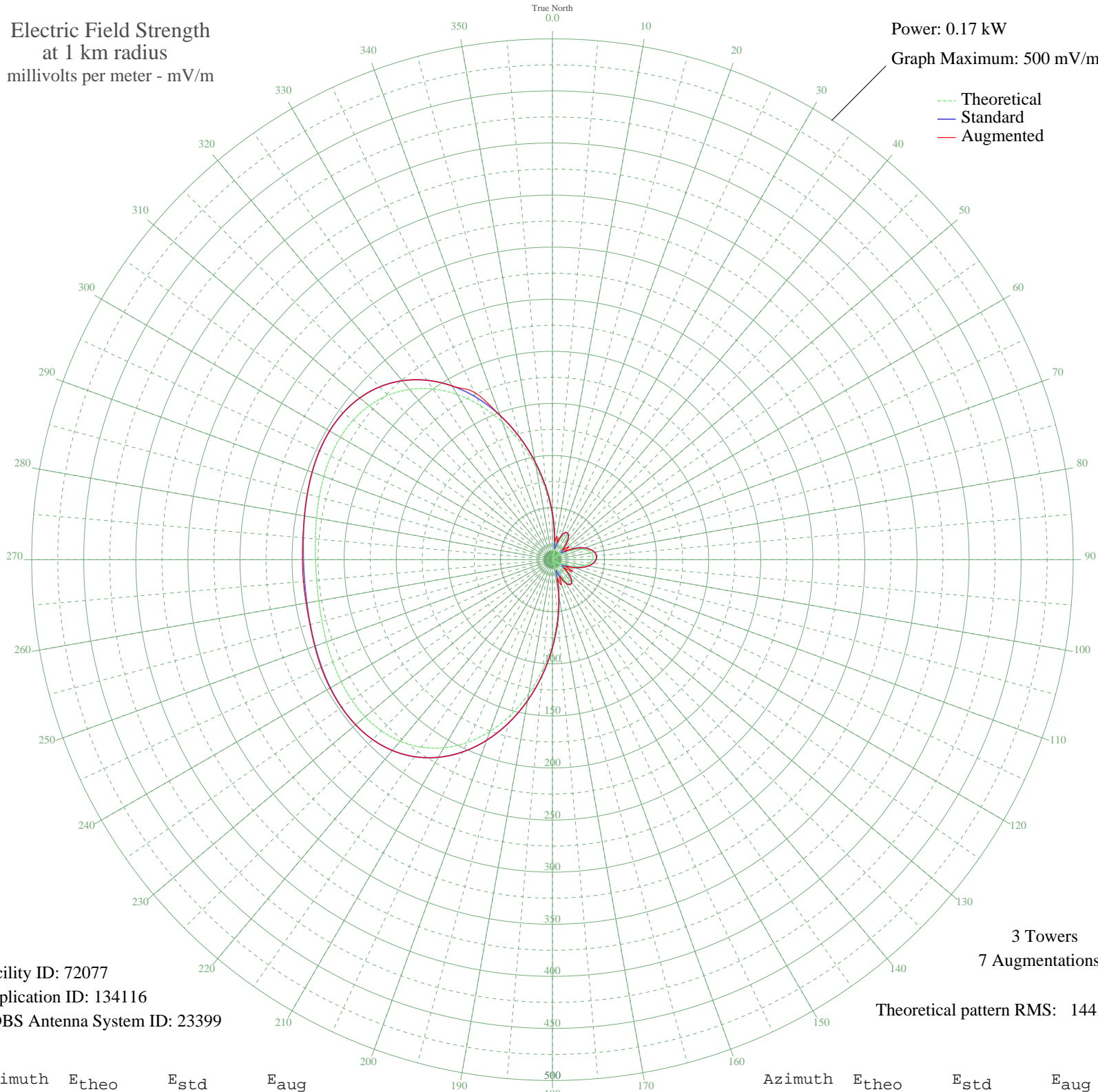
WKKD AURORA, IL BL-19891004AD 1580 kHz

Daytime

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

Power: 0.17 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 72077
Application ID: 134116
CDBS Antenna System ID: 23399

3 Towers
7 Augmentations
Theoretical pattern RMS: 144.28

Azimuth	E _{theo}	E _{std}	E _{aug}
0	41.04	44.35	44.35
5	19.95	23.43	23.43
10	2.34	10.78	21.96
15	11.18	15.75	16.93
20	20.34	23.80	23.80
25	25.16	28.43	28.43
30	25.98	29.23	29.23
35	23.36	26.68	26.68
40	18.01	21.63	21.63
45	10.72	15.39	15.39
50	2.28	10.77	18.60
55	6.57	12.56	14.75
60	15.15	19.06	19.06
65	22.95	26.28	26.28
70	29.51	32.72	32.72
75	34.53	37.75	37.75
80	37.79	41.05	41.05
85	39.15	42.43	42.43
90	38.57	41.84	41.84
95	36.06	39.29	39.29
100	31.72	34.92	34.92
105	25.74	29.00	29.00
110	18.39	21.98	21.98
115	10.06	14.90	14.90
120	1.25	10.58	22.32
125	7.43	13.08	13.45
130	15.28	19.17	19.17
135	21.50	24.90	24.90
140	25.31	28.58	28.58
145	25.94	29.19	29.19
150	22.77	26.12	26.12
155	15.37	19.26	19.26
160	3.58	11.15	25.02
165	12.45	16.77	18.28
170	32.24	35.44	35.44
175	55.01	58.70	58.70

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 May 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	79.74	84.38	84.38
185	105.28	111.04	111.04
190	130.44	137.37	137.37
195	154.13	162.18	162.18
200	175.42	184.50	184.50
205	193.65	203.60	203.60
210	208.42	219.10	219.10
215	219.66	230.88	230.88
220	227.51	239.11	239.11
225	232.35	244.19	244.19
230	234.69	246.65	246.65
235	235.11	247.09	247.23
240	234.22	246.16	246.57
245	232.59	244.44	245.00
250	230.72	242.48	242.90
255	229.03	240.71	241.04
260	227.82	239.44	240.18
265	227.29	238.88	240.00
270	227.52	239.12	240.07
275	228.47	240.13	240.52
280	230.00	241.73	241.74
285	231.84	243.66	243.66
290	233.63	245.53	245.53
295	234.88	246.85	246.85
300	235.05	247.03	247.03
305	233.55	245.46	245.46
310	229.78	241.50	241.50
315	223.19	234.58	234.58
320	213.34	224.25	224.25
325	199.98	210.25	210.25
330	183.11	192.55	192.55
335	162.98	171.45	177.20
340	140.15	147.54	147.54
345	115.45	121.68	121.68
350	89.92	95.00	95.00
355	64.72	68.77	68.77