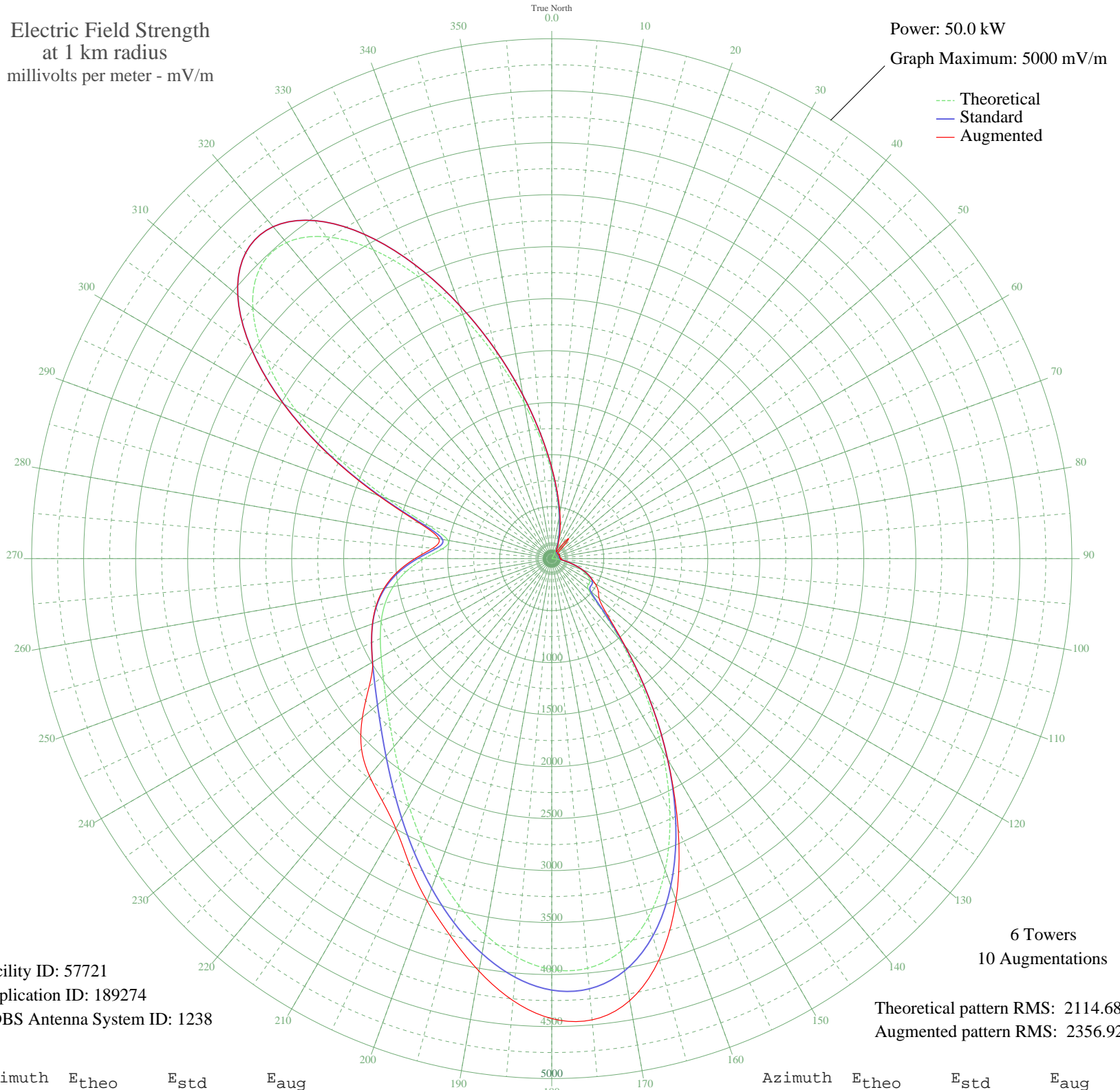


KCKN ROSWELL, NM BL-19930823AC 1020 kHz

Nighttime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 57721
Application ID: 189274
CDBS Antenna System ID: 1238

Theoretical pattern RMS: 2114.68
Augmented pattern RMS: 2356.92

Azimuth	E _{theo}	E _{std}	E _{aug}
0	826.05	870.53	875.46
5	585.74	619.49	631.25
10	403.03	429.65	449.25
15	266.18	289.18	313.58
20	165.46	188.94	210.50
25	93.59	123.16	133.01
30	44.95	87.98	87.98
35	14.85	75.87	83.31
40	1.30	74.26	253.00
45	6.58	74.57	82.13
50	5.69	74.49	74.49
55	3.54	74.34	74.34
60	5.74	74.49	87.50
65	7.09	74.62	74.62
70	4.56	74.40	80.53
75	2.36	74.29	81.80
80	8.42	74.77	75.12
85	8.60	74.79	80.30
90	5.84	74.50	93.47
95	42.83	86.81	86.81
100	106.67	134.38	134.38
105	193.94	216.75	216.75
110	291.21	314.66	314.66
115	376.05	401.77	401.77
120	424.31	451.67	483.16
125	430.77	458.36	546.25
130	457.76	486.35	595.21
135	644.29	680.56	742.61
140	1029.24	1083.25	1096.75
145	1546.02	1625.02	1625.02
150	2121.25	2228.55	2229.14
155	2687.62	2822.98	2877.11
160	3187.08	3347.26	3494.25
165	3576.91	3756.48	3991.01
170	3833.85	4026.23	4316.35
175	3954.39	4152.77	4452.58

Azimuth	E _{theo}	E _{std}	E _{aug}
180	3951.27	4149.50	4423.46
185	3847.94	4041.02	4266.84
190	3672.55	3856.89	4028.09
195	3452.98	3626.39	3758.96
200	3213.53	3375.03	3503.98
205	2973.28	3122.83	3240.48
210	2745.83	2884.07	2997.62
215	2539.83	2667.85	2841.58
220	2359.90	2479.00	2726.60
225	2207.45	2319.01	2586.46
230	2081.38	2186.71	2376.22
235	1978.43	2078.68	2142.59
240	1893.26	1989.31	1989.31
245	1818.34	1910.70	1910.74
250	1743.80	1832.50	1834.00
255	1657.70	1742.17	1747.18
260	1547.30	1626.36	1636.68
265	1402.89	1474.90	1492.06
270	1227.43	1290.94	1316.17
275	1060.07	1115.55	1148.81
280	1013.43	1066.69	1102.48
285	1222.24	1285.50	1313.32
290	1669.67	1754.72	1771.82
295	2240.91	2354.13	2363.48
300	2832.40	2974.94	2979.46
305	3359.19	3527.93	3529.64
310	3751.93	3940.22	3940.54
315	3961.97	4160.73	4160.73
320	3967.96	4167.02	4167.02
325	3778.54	3968.16	3968.16
330	3429.01	3601.23	3601.23
335	2972.58	3122.09	3122.09
340	2468.50	2592.99	2592.99
345	1970.57	2070.43	2070.43
350	1518.67	1596.33	1596.33
355	1135.16	1194.23	1195.29

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.

28 Sep 2008

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Federal Communications Commission