

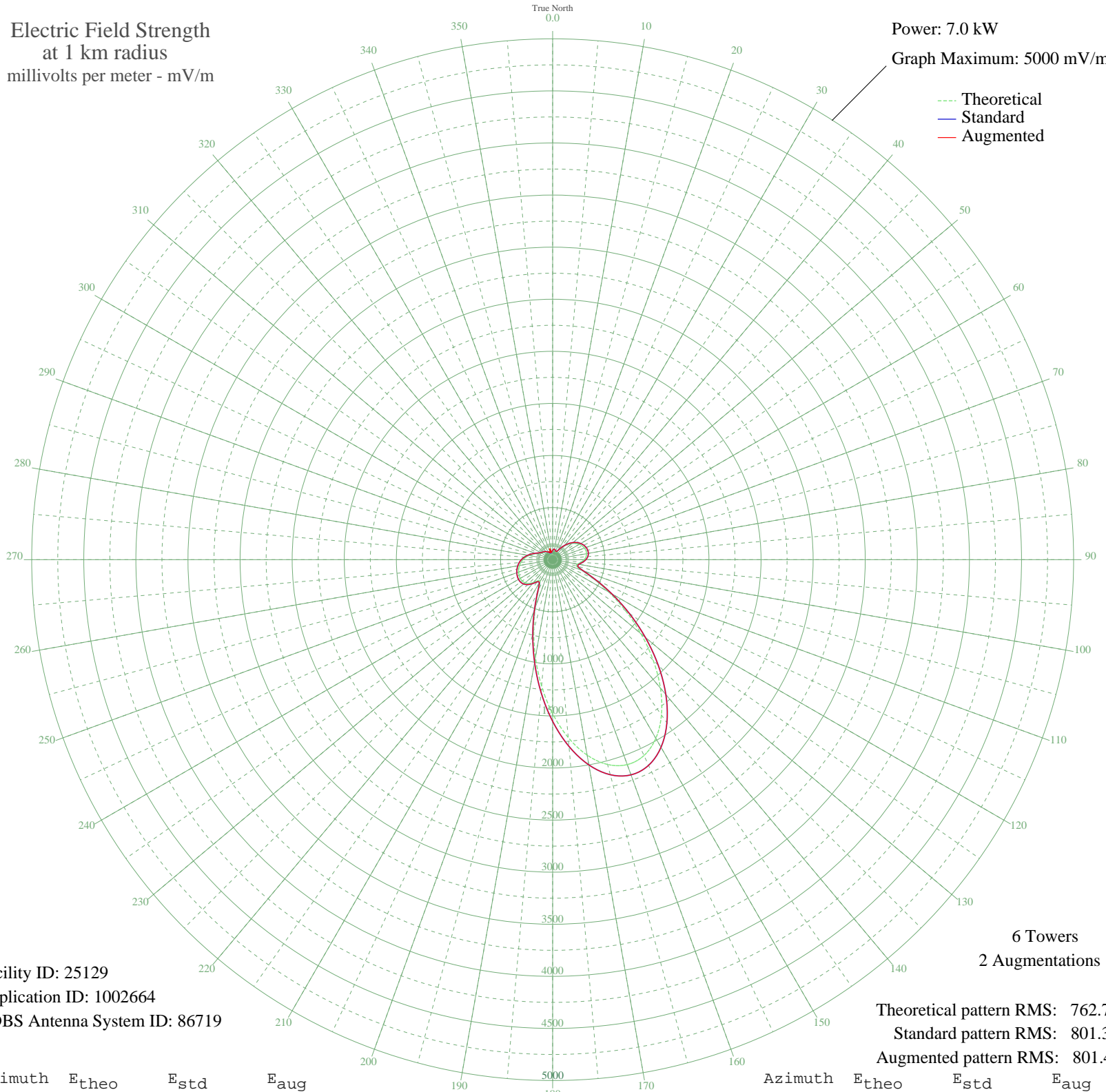
KMUS SPERRY, OK BL-20040706ACJ 1380 kHz

Daytime

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

Power: 7.0 kW

Graph Maximum: 5000 mV/m



Facility ID: 25129
Application ID: 1002664
CDBS Antenna System ID: 86719

6 Towers
2 Augmentations

Theoretical pattern RMS: 762.70
Standard pattern RMS: 801.32
Augmented pattern RMS: 801.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	81.76	90.23	90.23
5	91.64	100.15	100.15
10	93.87	102.40	102.40
15	87.91	96.39	96.39
20	78.44	86.92	86.92
25	77.30	85.79	85.79
30	95.43	103.98	103.98
35	128.84	138.10	138.10
40	168.06	178.64	178.64
45	206.81	218.92	218.92
50	241.69	255.29	255.29
55	271.13	286.03	286.03
60	294.68	310.66	310.66
65	312.47	329.27	329.27
70	324.63	341.99	341.99
75	330.90	348.56	348.56
80	330.37	348.00	348.00
85	321.43	338.64	338.64
90	302.44	318.77	318.77
95	273.67	288.69	288.69
100	242.87	256.52	256.52
105	236.85	250.24	250.24
110	296.63	312.70	312.70
115	431.44	453.86	453.86
120	622.91	654.64	654.64
125	853.22	896.31	896.31
130	1106.24	1161.89	1161.89
135	1364.62	1433.12	1433.12
140	1609.27	1689.96	1689.96
145	1820.63	1911.86	1911.86
150	1980.56	2079.77	2079.77
155	2074.54	2178.44	2178.44
160	2093.59	2198.44	2198.44
165	2035.46	2137.41	2137.41
170	1905.05	2000.49	2000.49
175	1713.74	1799.65	1799.65

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1477.97	1552.12	1552.12
185	1217.18	1278.34	1278.34
190	951.71	999.69	999.69
195	701.21	736.79	736.79
200	484.44	509.42	509.42
205	322.55	339.81	339.81
210	242.48	256.12	256.12
215	246.30	260.10	260.10
220	284.88	300.41	300.41
225	321.26	338.46	338.46
230	345.20	363.52	363.52
235	356.92	375.80	375.80
240	359.36	378.35	378.35
245	355.53	374.34	374.34
250	347.59	366.02	366.02
255	336.63	354.55	354.55
260	322.79	340.07	340.07
265	305.60	322.08	322.08
270	284.41	299.92	299.92
275	258.92	273.28	273.28
280	229.65	242.73	242.73
285	198.35	210.12	210.12
290	168.07	178.65	178.65
295	142.62	152.30	152.30
300	124.90	134.06	134.06
305	114.67	123.57	123.57
310	108.31	117.07	117.07
315	101.79	110.43	110.43
320	93.29	101.81	101.81
325	83.33	91.81	91.81
330	73.43	81.95	84.17
335	64.52	73.22	82.34
340	57.14	66.11	66.11
345	53.34	62.51	109.10
350	56.93	65.91	67.42
355	68.16	76.77	76.77

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission