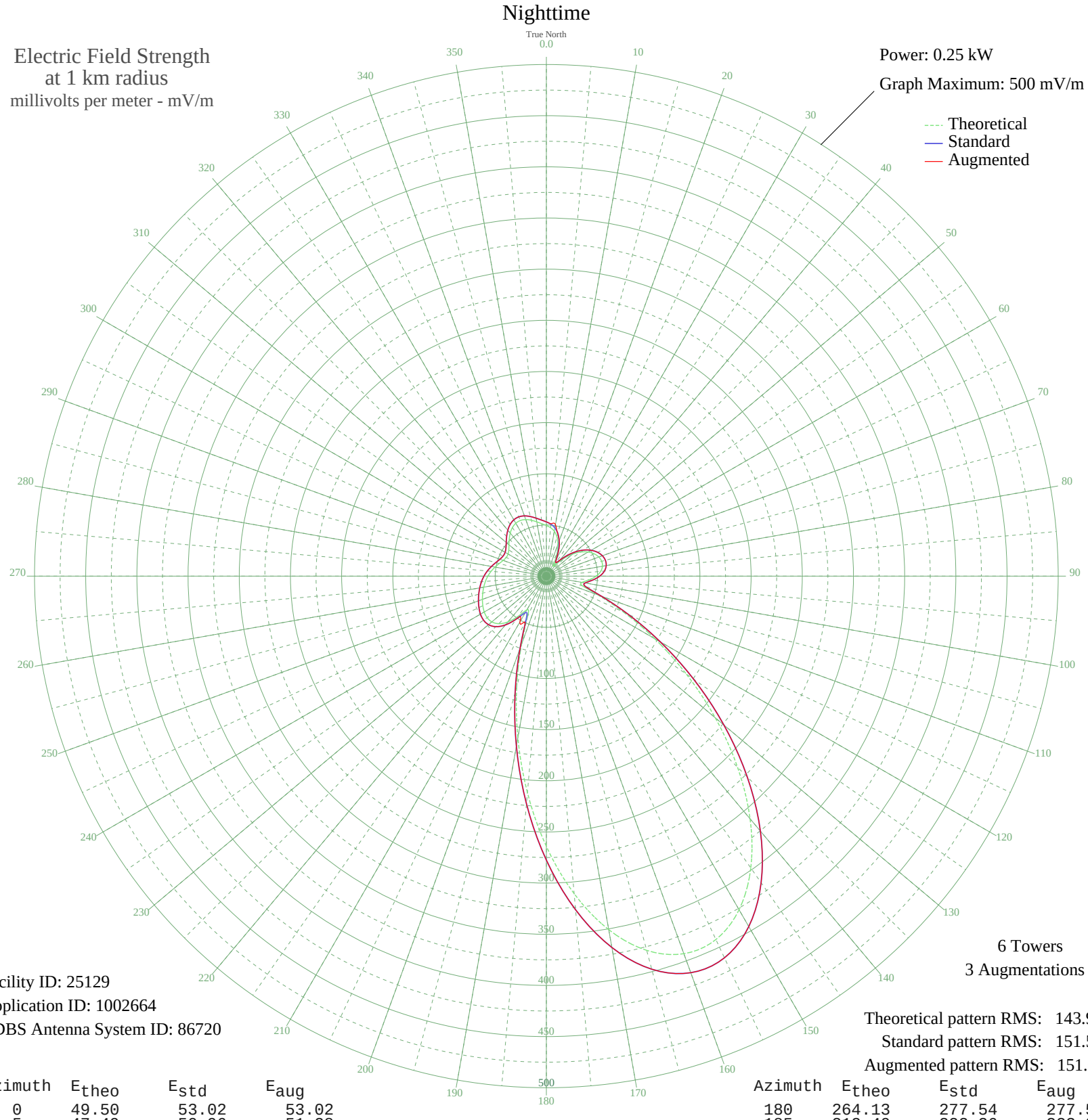
KMUS SPERRY, OK BL-20040706ACJ 1380 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

6 Towers
3 Augmentations

Facility ID: 25129
Application ID: 1002664
CDBS Antenna System ID: 86720

Theoretical pattern RMS: 143.99
Standard pattern RMS: 151.55
Augmented pattern RMS: 151.63

Azimuth	E_{theo}	E_{std}	E_{aug}
0	49.50	53.02	53.02
5	47.49	50.96	51.28
10	44.53	47.92	51.10
15	39.84	43.13	43.13
20	33.12	36.33	36.68
25	24.75	28.03	28.87
30	16.10	19.90	19.90
35	11.53	16.02	16.02
40	16.30	20.08	20.08
45	24.96	28.24	28.24
50	33.56	36.77	36.77
55	41.03	44.34	44.34
60	47.05	50.51	50.51
65	51.56	55.15	55.15
70	54.55	58.23	58.23
75	55.96	59.69	59.69
80	55.64	59.36	59.36
85	53.29	56.93	56.93
90	48.63	52.13	52.13
95	41.86	45.19	45.19
100	35.25	38.47	38.47
105	36.47	39.71	39.71
110	53.30	56.94	56.94
115	83.20	87.99	87.99
120	122.03	128.56	128.56
125	166.99	175.66	175.66
130	215.40	226.41	226.41
135	264.11	277.51	277.51
140	309.58	325.23	325.23
145	348.17	365.73	365.73
150	376.49	395.45	395.45
155	391.86	411.59	411.59
160	392.68	412.45	412.45
165	378.64	397.71	397.71
170	350.82	368.52	368.52
175	311.56	327.31	327.31
180	264.13	277.54	277.54
185	212.40	223.26	223.26
190	160.34	168.69	168.69
195	111.85	117.91	117.91
200	70.88	75.16	75.16
205	43.34	46.71	49.35
210	37.94	41.19	51.71
215	47.73	51.20	51.20
220	58.41	62.22	62.22
225	65.74	69.82	69.82
230	69.55	73.78	73.78
235	70.68	74.95	74.95
240	70.06	74.31	74.31
245	68.48	72.67	72.67
250	66.48	70.59	70.59
255	64.35	68.38	68.38
260	62.14	66.09	66.09
265	59.79	63.65	63.65
270	57.16	60.93	60.93
275	54.18	57.85	57.85
280	50.92	54.48	54.48
285	47.65	51.12	51.12
290	44.88	48.28	48.28
295	43.24	46.60	46.60
300	43.18	46.54	46.54
305	44.79	48.19	48.19
310	47.70	51.17	51.17
315	51.29	54.87	54.87
320	54.89	58.59	58.59
325	57.87	61.67	61.67
330	59.69	63.55	63.55
335	60.00	63.87	63.87
340	58.82	62.64	62.64
345	56.53	60.28	60.28
350	53.85	57.51	57.51
355	51.45	55.03	55.03

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

Prepared by Audio Division, Media Bureau
Federal Communications Commission