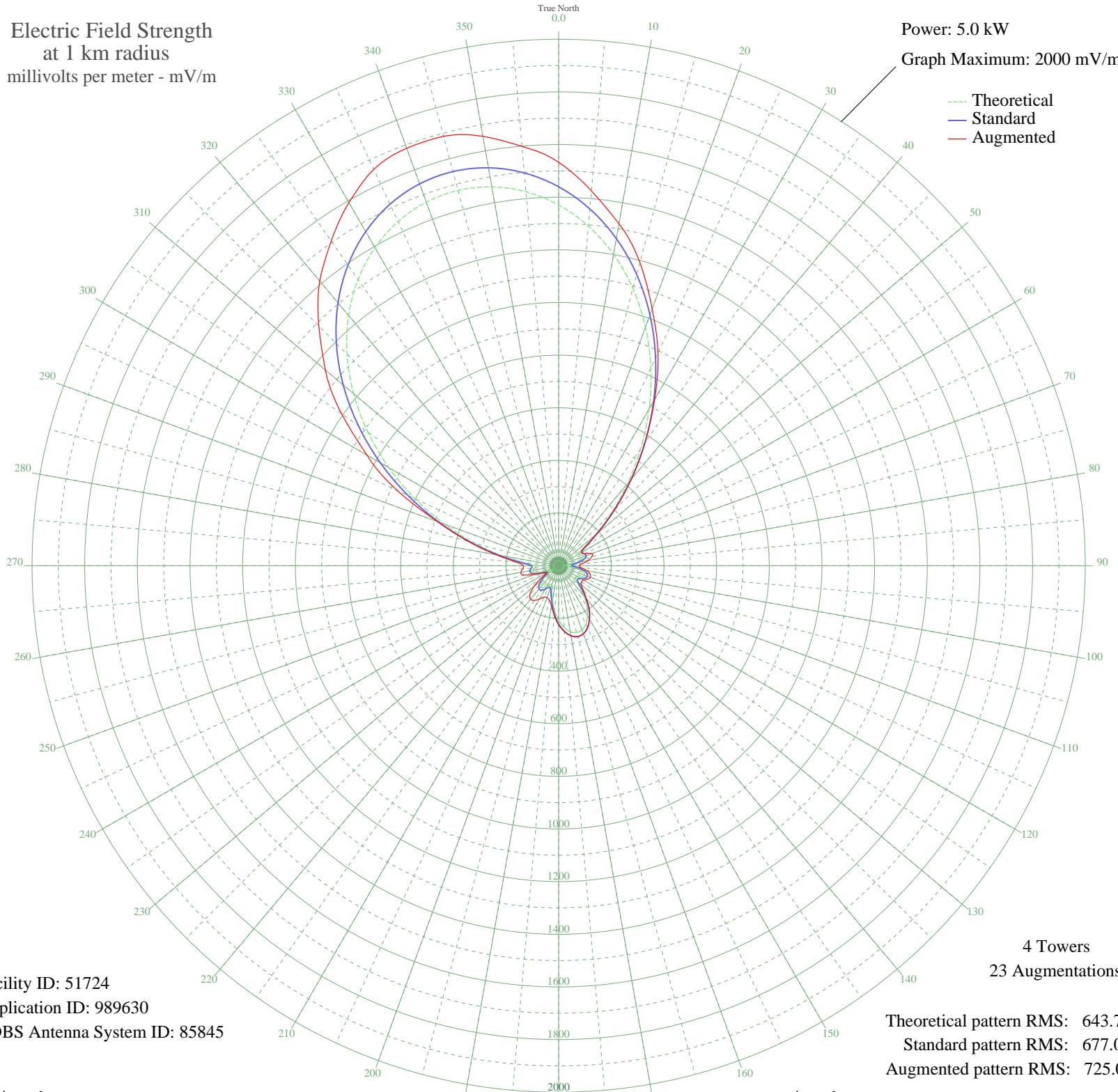


WKJG FORT WAYNE, IN BL-20040407ABL 1380 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 51724
Application ID: 989630
CDBS Antenna System ID: 85845

4 Towers
23 Augmentations

Theoretical pattern RMS: 643.74
Standard pattern RMS: 677.05
Augmented pattern RMS: 725.04

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1370.51	1439.57	1532.57
5	1295.15	1360.47	1429.21
10	1201.10	1261.76	1319.26
15	1090.11	1145.28	1192.22
20	964.76	1013.75	1038.60
25	828.64	870.95	892.25
30	686.32	721.69	729.27
35	543.36	571.87	571.87
40	406.16	428.25	428.25
45	281.84	298.50	298.50
50	178.87	191.83	191.83
55	109.58	121.51	121.51
60	87.83	100.15	100.15
65	95.39	107.51	108.71
70	99.34	111.39	134.99
75	88.94	101.22	130.19
80	65.39	79.00	112.65
85	36.30	54.58	88.73
90	28.99	49.52	79.14
95	55.44	70.10	84.15
100	81.95	94.50	108.50
105	99.07	111.11	123.73
110	104.29	116.26	128.75
115	98.27	110.33	120.80
120	85.30	97.71	108.59
125	75.69	88.55	105.99
130	83.95	96.42	112.65
135	111.87	123.79	132.31
140	148.91	161.17	163.24
145	186.52	199.71	204.39
150	219.48	233.74	233.74
155	244.43	259.60	259.60
160	259.23	274.98	274.98
165	262.71	278.60	278.60
170	254.62	270.19	270.19
175	235.57	250.41	250.64

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	207.10	220.94	224.22
185	171.80	184.57	189.73
190	133.64	145.66	155.38
195	98.98	111.03	135.89
200	77.91	90.65	129.38
205	78.15	90.89	131.69
210	90.83	103.07	146.31
215	101.85	113.86	160.86
220	103.65	115.64	165.72
225	93.58	105.74	154.34
230	72.21	85.29	122.16
235	43.72	60.28	76.90
240	26.07	47.70	53.11
245	47.70	63.52	63.52
250	76.06	88.91	93.64
255	94.89	107.02	136.49
260	99.29	111.33	145.96
265	91.45	103.66	136.72
270	90.87	103.10	134.26
275	132.18	144.18	162.44
280	216.85	231.02	242.03
285	329.52	348.20	352.88
290	459.91	484.48	488.99
295	600.23	631.45	676.77
300	743.65	781.81	841.02
305	884.11	929.14	1006.53
310	1016.42	1067.95	1156.31
315	1136.39	1193.85	1288.04
320	1240.86	1303.49	1411.75
325	1327.61	1394.54	1505.90
330	1395.16	1465.44	1593.06
335	1442.66	1515.29	1661.37
340	1469.63	1543.60	1687.57
345	1475.86	1550.15	1688.78
350	1461.32	1534.88	1656.10
355	1426.10	1497.92	1599.04