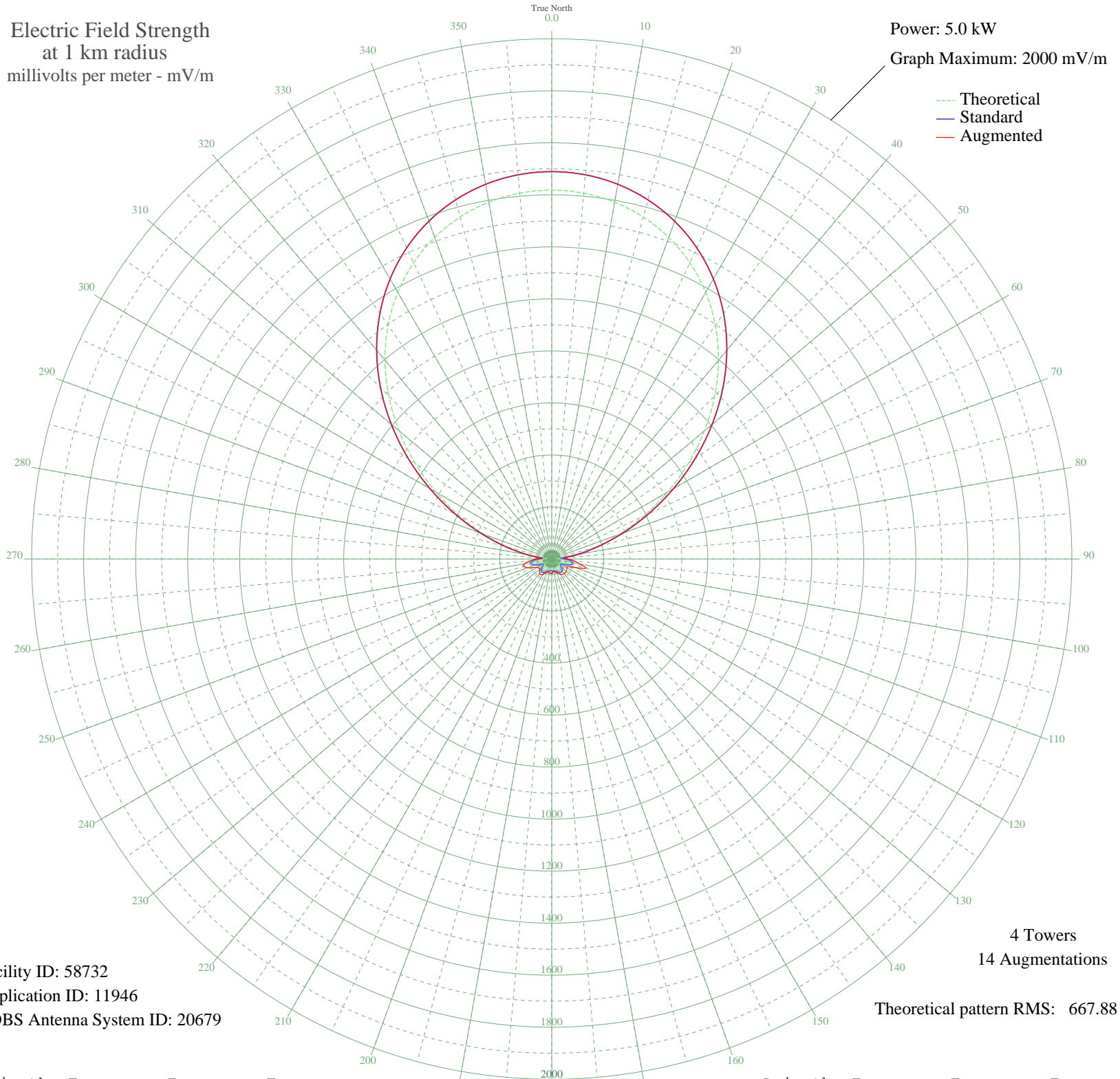


WTJK SOUTH BELOIT, IL BL-19790718AG 1380 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 58732
Application ID: 11946
CDBS Antenna System ID: 20679

4 Towers
14 Augmentations
Theoretical pattern RMS: 667.88

Azimuth	Etheo	Estd	Eaug
0	1418.11	1489.25	1489.25
5	1411.84	1482.67	1482.67
10	1392.91	1462.80	1462.80
15	1361.03	1429.33	1429.33
20	1315.76	1381.80	1381.80
25	1256.71	1319.81	1319.81
30	1183.70	1243.17	1243.17
35	1096.93	1152.08	1152.08
40	997.23	1047.43	1047.43
45	886.19	930.88	930.88
50	766.28	805.04	805.04
55	640.88	673.45	673.45
60	514.10	540.46	540.46
65	390.62	411.02	411.02
70	275.28	290.27	290.27
75	172.71	183.29	183.29
80	87.22	95.38	112.65
85	26.93	38.84	46.78
90	37.91	47.89	63.82
95	63.71	72.00	86.81
100	74.36	82.49	106.81
105	71.42	79.58	136.70
110	58.90	67.33	94.65
115	41.96	51.48	70.23
120	28.29	39.89	67.16
125	28.34	39.93	70.81
130	38.38	48.30	72.91
135	47.94	56.94	73.86
140	53.37	62.04	73.49
145	54.22	62.85	72.42
150	51.35	60.13	68.94
155	46.34	55.46	62.09
160	41.03	50.64	55.30
165	37.06	47.15	51.50
170	35.13	45.49	48.43
175	34.67	45.10	49.03

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	34.68	45.11	56.33
185	34.67	45.10	55.07
190	35.13	45.49	53.76
195	37.06	47.15	51.50
200	41.03	50.64	53.38
205	46.34	55.46	60.85
210	51.35	60.13	68.95
215	54.22	62.85	73.63
220	53.37	62.04	72.94
225	47.94	56.94	66.18
230	38.38	48.30	59.98
235	28.34	39.93	60.72
240	28.29	39.89	64.37
245	41.97	51.48	77.87
250	58.90	67.33	98.33
255	71.42	79.58	111.04
260	74.36	82.49	106.31
265	63.71	72.00	81.75
270	37.91	47.89	65.98
275	26.93	38.84	38.84
280	87.23	95.38	95.38
285	172.71	183.29	183.29
290	275.28	290.27	290.27
295	390.62	411.02	411.02
300	514.10	540.46	540.46
305	640.88	673.45	673.45
310	766.29	805.04	805.04
315	886.19	930.88	930.88
320	997.23	1047.43	1047.43
325	1096.93	1152.09	1152.09
330	1183.70	1243.17	1243.17
335	1256.71	1319.81	1319.81
340	1315.76	1381.80	1381.80
345	1361.03	1429.33	1429.33
350	1392.91	1462.80	1462.80
355	1411.84	1482.67	1482.67