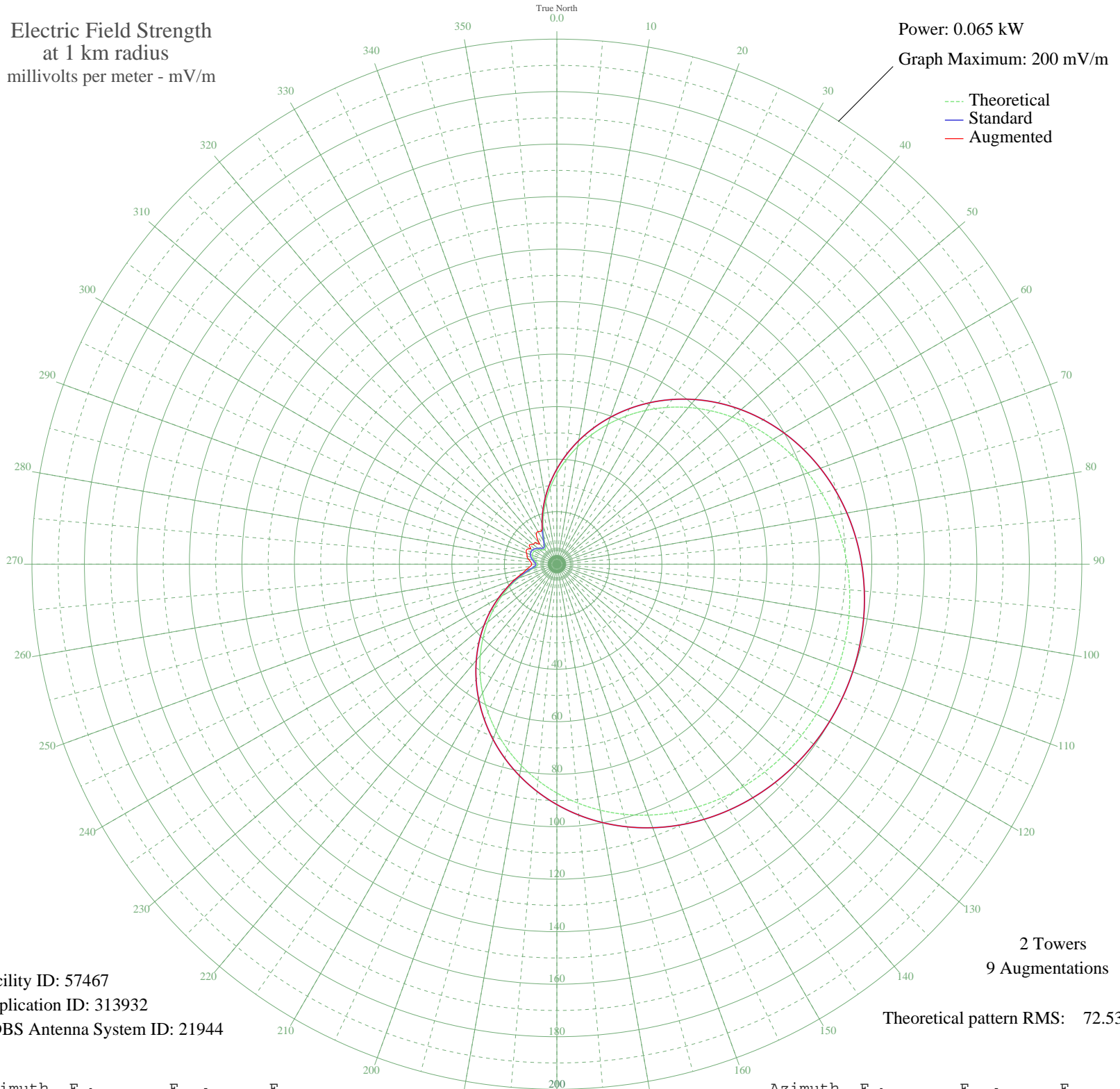


WKJR RANTOUL, IL BL-- 1460 kHz

Nighttime

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

Power: 0.065 kW
Graph Maximum: 200 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 57467
Application ID: 313932
CDBS Antenna System ID: 21944

2 Towers
9 Augmentations

Theoretical pattern RMS: 72.53

Azimuth	E _{theo}	E _{std}	E _{aug}
0	34.42	36.24	36.24
5	39.84	41.92	41.92
10	45.40	47.75	47.75
15	51.02	53.64	53.64
20	56.64	59.53	59.53
25	62.19	65.36	65.36
30	67.63	71.06	71.06
35	72.88	76.58	76.58
40	77.92	81.86	81.86
45	82.70	86.87	86.87
50	87.18	91.58	91.58
55	91.33	95.94	95.94
60	95.15	99.94	99.94
65	98.61	103.58	103.58
70	101.72	106.83	106.83
75	104.46	109.71	109.71
80	106.85	112.22	112.22
85	108.88	114.36	114.36
90	110.58	116.14	116.14
95	111.96	117.58	117.58
100	113.01	118.69	118.69
105	113.76	119.47	119.47
110	114.20	119.94	119.94
115	114.35	120.10	120.10
120	114.20	119.94	119.94
125	113.76	119.47	119.47
130	113.01	118.69	118.69
135	111.96	117.58	117.58
140	110.58	116.14	116.14
145	108.88	114.36	114.36
150	106.85	112.22	112.22
155	104.46	109.71	109.71
160	101.72	106.83	106.83
165	98.61	103.58	103.58
170	95.15	99.94	99.94
175	91.33	95.94	95.94

Azimuth	E _{theo}	E _{std}	E _{aug}
180	87.18	91.58	91.58
185	82.70	86.87	86.87
190	77.92	81.86	81.86
195	72.88	76.58	76.58
200	67.63	71.06	71.06
205	62.19	65.36	65.36
210	56.64	59.53	59.53
215	51.02	53.64	53.64
220	45.40	47.75	47.75
225	39.84	41.92	41.92
230	34.42	36.24	36.24
235	29.19	30.76	30.76
240	24.23	25.58	25.58
245	19.63	20.78	20.78
250	15.48	16.47	16.47
255	11.93	12.81	13.64
260	9.20	10.02	11.78
265	7.57	8.39	10.22
270	7.19	8.01	9.57
275	7.71	8.53	10.02
280	8.57	9.39	10.99
285	9.38	10.20	11.76
290	9.92	10.75	12.30
295	10.11	10.94	12.80
300	9.92	10.75	11.73
305	9.38	10.20	12.80
310	8.57	9.39	11.80
315	7.71	8.53	11.60
320	7.19	8.01	10.47
325	7.57	8.39	13.59
330	9.20	10.02	14.32
335	11.93	12.81	13.96
340	15.48	16.47	16.47
345	19.63	20.78	20.78
350	24.23	25.58	25.58
355	29.19	30.76	30.76

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