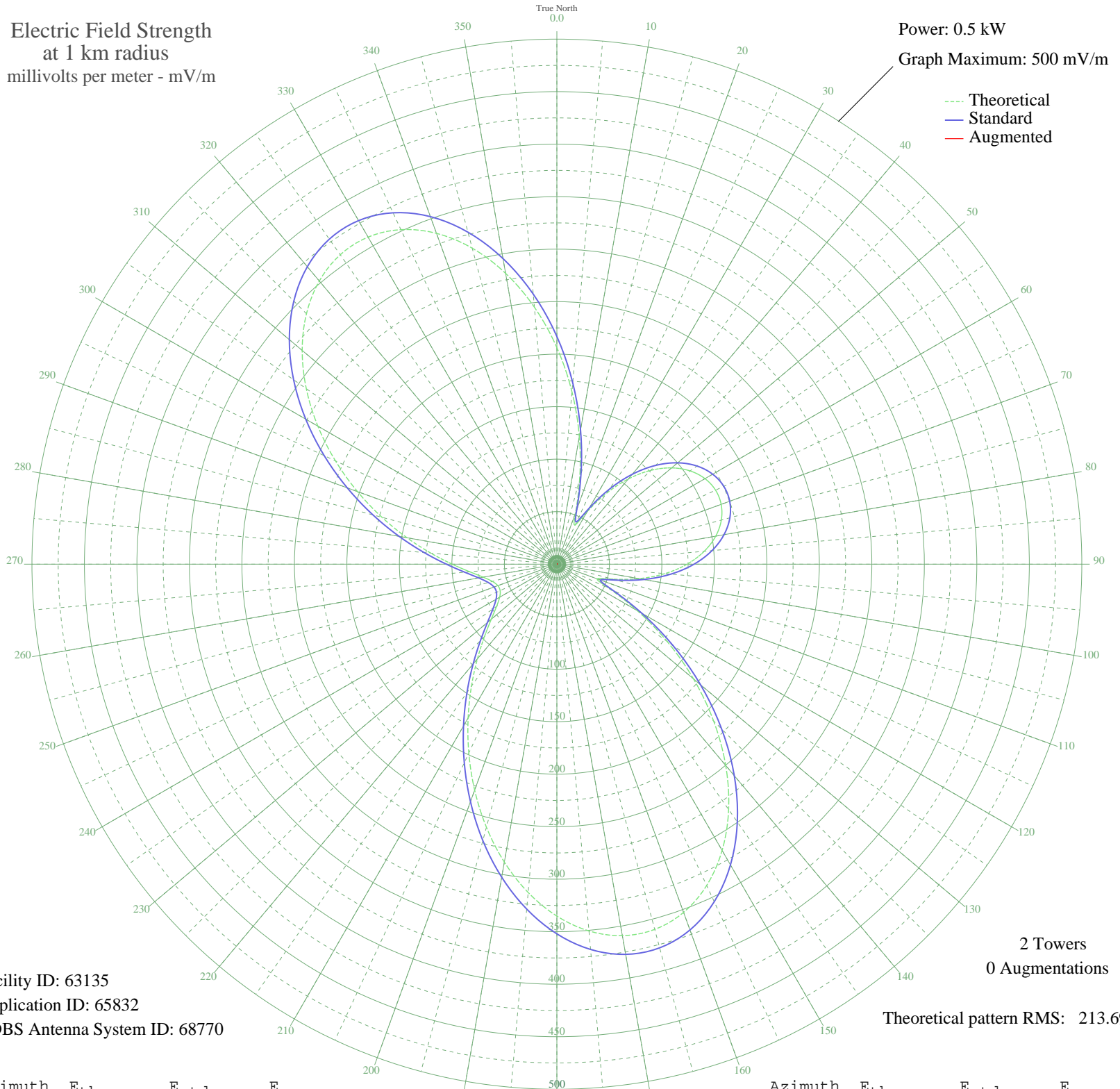


WFRL FREEPORT, IL BL-19840130AG 1570 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 63135
Application ID: 65832
CDBS Antenna System ID: 68770

2 Towers
0 Augmentations

Theoretical pattern RMS: 213.69

Azimuth	E _{theo}	E _{std}	E _{aug}
0	206.27	216.84	
5	164.81	173.37	
10	123.19	129.78	
15	83.90	88.72	
20	51.94	55.54	
25	41.20	44.52	
30	57.73	61.52	
35	82.35	87.11	
40	105.98	111.77	
45	126.31	133.04	
50	142.67	150.17	
55	154.88	162.96	
60	162.91	171.38	
65	166.79	175.44	
70	166.54	175.18	
75	162.17	170.60	
80	153.64	161.66	
85	140.93	148.34	
90	124.07	130.70	
95	103.29	108.97	
100	79.37	84.00	
105	55.00	58.69	
110	40.78	44.09	
115	55.05	58.75	
120	88.38	93.39	
125	128.12	134.94	
130	169.83	178.63	
135	211.14	221.95	
140	250.17	262.89	
145	285.21	299.65	
150	314.77	330.68	
155	337.63	354.67	
160	352.89	370.69	
165	360.09	378.24	
170	359.20	377.30	
175	350.61	368.29	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	335.12	352.03	
185	313.84	329.70	
190	288.09	302.68	
195	259.32	272.49	
200	228.98	240.66	
205	198.47	208.66	
210	169.06	177.82	
215	141.86	149.32	
220	117.77	124.11	
225	97.52	102.93	
230	81.57	86.29	
235	70.10	74.35	
240	62.92	66.90	
245	59.61	63.47	
250	59.82	63.68	
255	63.57	67.57	
260	71.24	75.54	
265	83.25	88.04	
270	99.73	105.24	
275	120.47	126.93	
280	144.97	152.58	
285	172.49	181.42	
290	202.10	212.46	
295	232.65	244.51	
300	262.88	276.22	
305	291.37	306.12	
310	316.66	332.66	
315	337.31	354.33	
320	352.02	369.77	
325	359.72	377.85	
330	359.66	377.79	
335	351.48	369.20	
340	335.27	352.19	
345	311.56	327.31	
350	281.27	295.52	
355	245.66	258.16	