

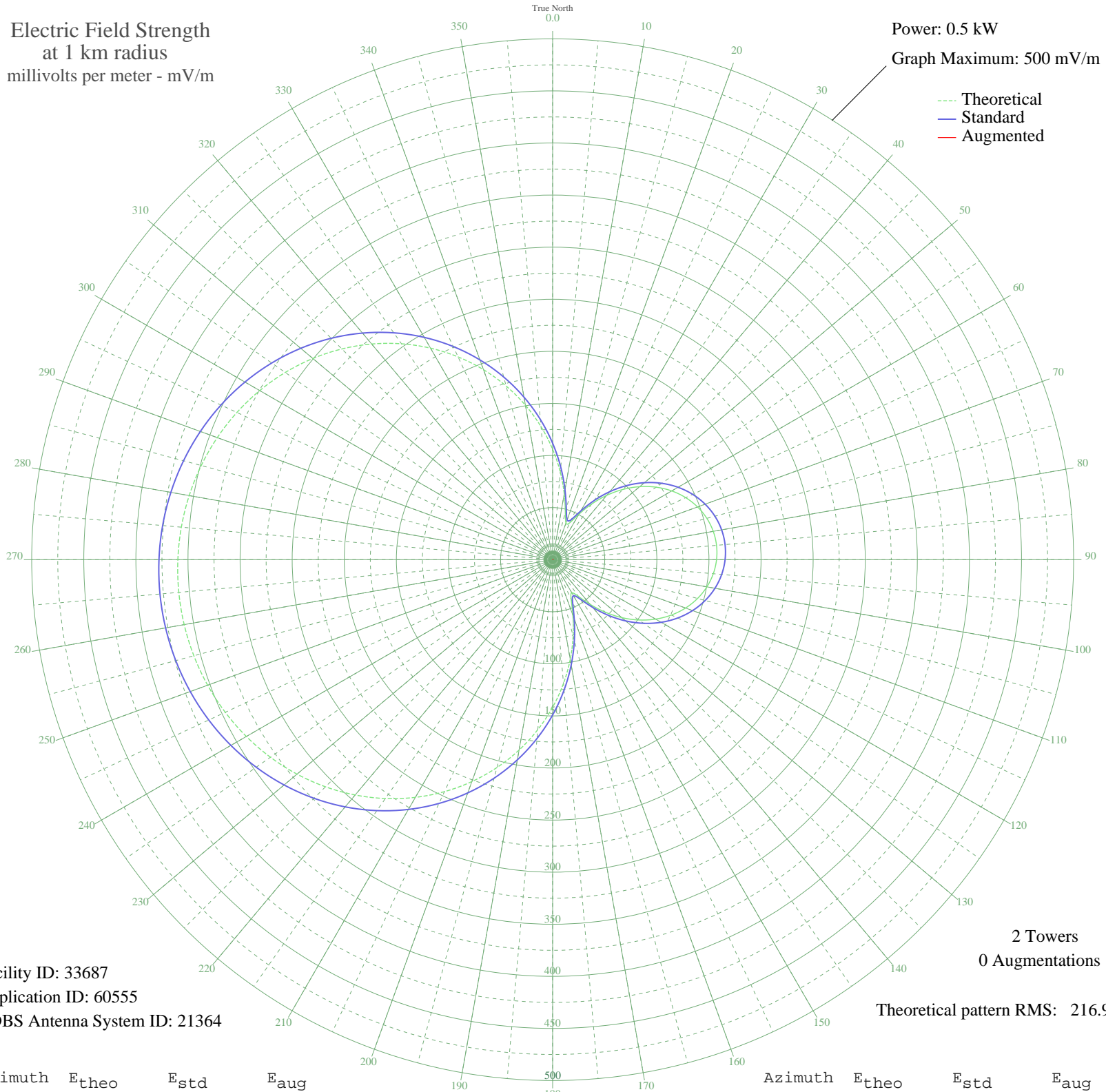
KBTN NEOSHO, MO BL-19830826AE 1420 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 33687
Application ID: 60555
CDBS Antenna System ID: 21364

2 Towers
0 Augmentations

Theoretical pattern RMS: 216.94

Azimuth	E _{theo}	E _{std}	E _{aug}
0	105.95	111.74	
5	84.28	89.12	
10	64.07	68.08	
15	47.10	50.56	
20	37.34	40.59	
25	39.26	42.54	
30	50.38	53.93	
35	65.10	69.15	
40	80.48	85.16	
45	95.31	100.63	
50	109.02	114.95	
55	121.31	127.80	
60	131.97	138.97	
65	140.90	148.31	
70	148.00	155.75	
75	153.22	161.22	
80	156.52	164.68	
85	157.88	166.11	
90	157.30	165.50	
95	154.77	162.85	
100	150.31	158.18	
105	143.96	151.52	
110	135.76	142.93	
115	125.77	132.48	
120	114.12	120.29	
125	100.95	106.52	
130	86.52	91.45	
135	71.26	75.56	
140	56.06	59.79	
145	42.96	46.32	
150	36.64	39.88	
155	42.02	45.35	
160	56.73	60.49	
165	75.95	80.44	
170	97.17	102.57	
175	119.27	125.67	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	141.63	149.08	
185	163.83	172.34	
190	185.57	195.13	
195	206.60	217.19	
200	226.71	238.28	
205	245.72	258.22	
210	263.49	276.86	
215	279.90	294.08	
220	294.88	309.80	
225	308.35	323.94	
230	320.29	336.47	
235	330.66	347.35	
240	339.46	356.59	
245	346.70	364.19	
250	352.38	370.15	
255	356.51	374.49	
260	359.11	377.21	
265	360.18	378.33	
270	359.72	377.85	
275	357.73	375.77	
280	354.22	372.08	
285	349.16	366.77	
290	342.55	359.83	
295	334.37	351.25	
300	324.62	341.02	
305	313.31	329.15	
310	300.45	315.65	
315	286.07	300.56	
320	270.22	283.93	
325	252.98	265.84	
330	234.45	246.40	
335	214.77	225.75	
340	194.08	204.06	
345	172.60	181.53	
350	150.54	158.42	
355	128.21	135.03	

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

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Federal Communications Commission