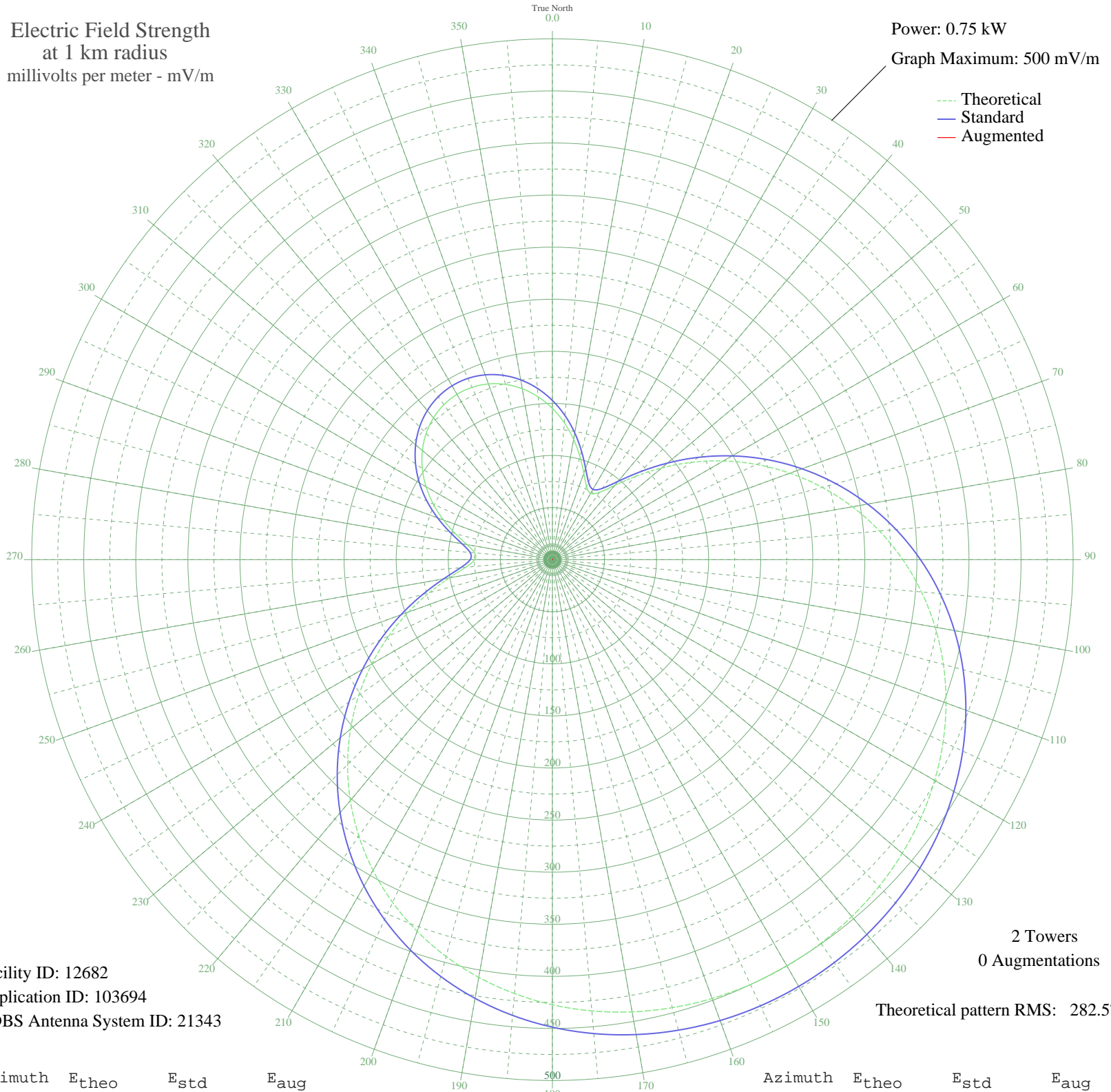


# KPEL LAFAYETTE, LA BL-19870717AD 1420 kHz

Nighttime

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

Power: 0.75 kW  
Graph Maximum: 500 mV/m



Facility ID: 12682  
Application ID: 103694  
CDBS Antenna System ID: 21343

2 Towers  
0 Augmentations

Theoretical pattern RMS: 282.57

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	145.22	152.84	
5	131.86	138.85	
10	117.28	123.59	
15	102.27	107.89	
20	88.21	93.21	
25	77.50	82.05	
30	73.53	77.91	
35	78.87	83.48	
40	92.97	98.18	
45	113.16	119.28	
50	136.99	144.22	
55	162.79	171.25	
60	189.47	199.22	
65	216.30	227.35	
70	242.69	255.04	
75	268.21	281.82	
80	292.52	307.32	
85	315.34	331.28	
90	336.48	353.46	
95	355.80	373.74	
100	373.21	392.01	
105	388.69	408.26	
110	402.25	422.49	
115	413.93	434.76	
120	423.82	445.14	
125	432.00	453.73	
130	438.57	460.62	
135	443.62	465.92	
140	447.23	469.71	
145	449.48	472.07	
150	450.39	473.03	
155	450.00	472.62	
160	448.29	470.83	
165	445.24	467.61	
170	440.77	462.93	
175	434.82	456.68	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	427.29	448.78	
185	418.10	439.13	
190	407.14	427.63	
195	394.34	414.19	
200	379.63	398.75	
205	362.99	381.29	
210	344.43	361.81	
215	324.01	340.37	
220	301.84	317.11	
225	278.10	292.19	
230	253.02	265.88	
235	226.93	238.51	
240	200.22	210.49	
245	173.40	182.38	
250	147.14	154.85	
255	122.37	128.91	
260	100.47	106.01	
265	83.59	88.40	
270	74.50	78.92	
275	74.91	79.35	
280	83.35	88.14	
285	96.42	101.79	
290	111.27	117.30	
295	126.14	132.86	
300	140.06	147.44	
305	152.45	160.42	
310	162.97	171.44	
315	171.42	180.30	
320	177.66	186.84	
325	181.62	190.99	
330	183.26	192.71	
335	182.56	191.97	
340	179.52	188.79	
345	174.18	183.20	
350	166.61	175.25	
355	156.90	165.08	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission