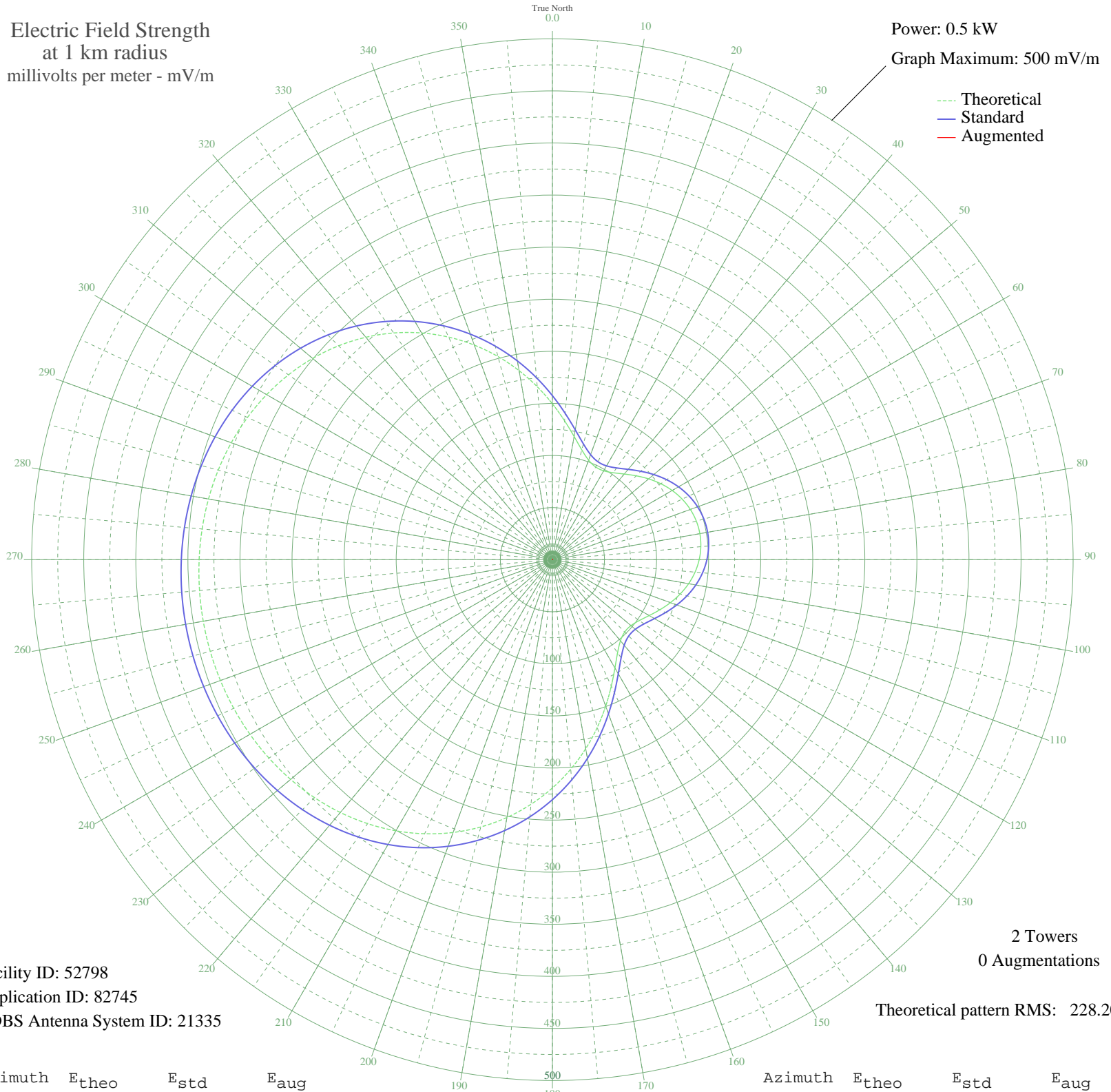


# KJCK JUNCTION CITY, KS BL-19851022AA 1420 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 52798  
Application ID: 82745  
CDBS Antenna System ID: 21335

2 Towers  
0 Augmentations

Theoretical pattern RMS: 228.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	149.63	157.46	
5	133.85	140.94	
10	120.07	126.51	
15	109.10	115.03	
20	101.67	107.27	
25	98.19	103.63	
30	98.49	103.95	
35	101.87	107.47	
40	107.31	113.16	
45	113.83	119.98	
50	120.62	127.09	
55	127.09	133.86	
60	132.81	139.84	
65	137.49	144.75	
70	140.95	148.37	
75	143.07	150.59	
80	143.78	151.33	
85	143.07	150.59	
90	140.95	148.37	
95	137.49	144.75	
100	132.81	139.84	
105	127.09	133.86	
110	120.62	127.09	
115	113.83	119.98	
120	107.31	113.16	
125	101.87	107.47	
130	98.49	103.95	
135	98.19	103.63	
140	101.67	107.27	
145	109.10	115.03	
150	120.07	126.51	
155	133.85	140.94	
160	149.63	157.46	
165	166.64	175.29	
170	184.24	193.74	
175	201.90	212.26	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	219.18	230.38	
185	235.74	247.74	
190	251.29	264.07	
195	265.65	279.13	
200	278.69	292.81	
205	290.32	305.02	
210	300.53	315.74	
215	309.35	324.98	
220	316.82	332.83	
225	323.05	339.36	
230	328.13	344.70	
235	332.18	348.95	
240	335.31	352.23	
245	337.62	354.66	
250	339.20	356.32	
255	340.13	357.29	
260	340.43	357.61	
265	340.13	357.29	
270	339.20	356.32	
275	337.62	354.66	
280	335.31	352.23	
285	332.18	348.95	
290	328.13	344.70	
295	323.05	339.36	
300	316.82	332.83	
305	309.35	324.98	
310	300.53	315.74	
315	290.32	305.02	
320	278.69	292.81	
325	265.65	279.13	
330	251.29	264.07	
335	235.74	247.74	
340	219.18	230.38	
345	201.90	212.26	
350	184.24	193.74	
355	166.64	175.29	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission