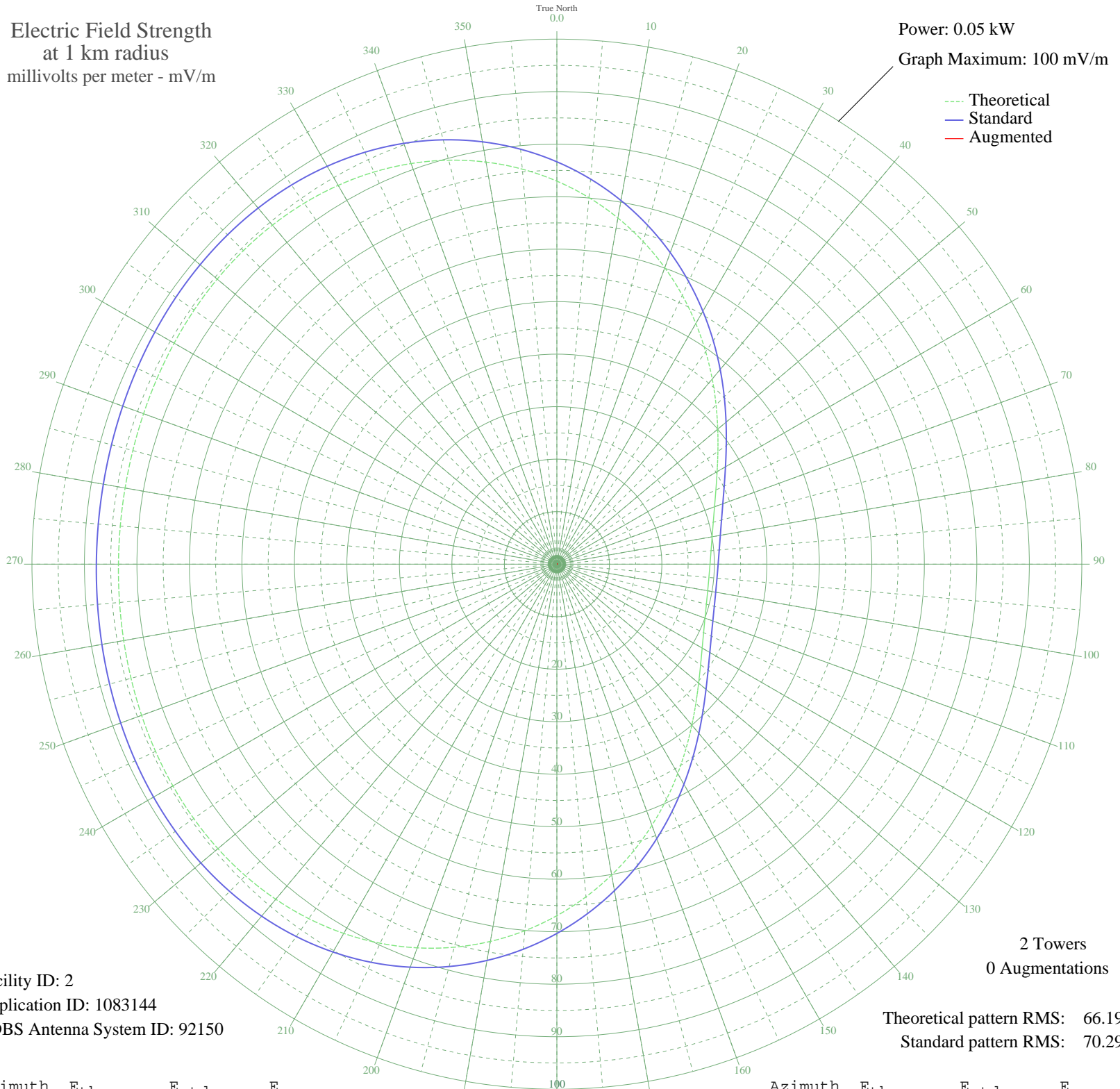


# KFMZ BROOKFIELD, MO BMJP-20051028ABI 1210 kHz

Nighttime

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

Power: 0.05 kW  
Graph Maximum: 100 mV/m



Facility ID: 2  
Application ID: 1083144  
CDBS Antenna System ID: 92150

2 Towers  
0 Augmentations

Theoretical pattern RMS: 66.19  
Standard pattern RMS: 70.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	72.95	76.64	
5	70.08	73.62	
10	66.95	70.33	
15	63.60	66.82	
20	60.10	63.15	
25	56.52	59.39	
30	52.93	55.63	
35	49.42	51.94	
40	46.04	48.40	
45	42.88	45.09	
50	40.00	42.07	
55	37.45	39.39	
60	35.25	37.09	
65	33.42	35.17	
70	31.96	33.64	
75	30.84	32.47	
80	30.03	31.62	
85	29.48	31.05	
90	29.17	30.72	
95	29.07	30.62	
100	29.17	30.72	
105	29.48	31.05	
110	30.03	31.62	
115	30.84	32.47	
120	31.96	33.64	
125	33.42	35.17	
130	35.25	37.09	
135	37.45	39.39	
140	40.00	42.07	
145	42.88	45.09	
150	46.04	48.40	
155	49.42	51.94	
160	52.93	55.63	
165	56.52	59.39	
170	60.10	63.15	
175	63.60	66.82	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	66.95	70.33	
185	70.08	73.62	
190	72.95	76.64	
195	75.52	79.33	
200	77.76	81.68	
205	79.65	83.67	
210	81.20	85.29	
215	82.41	86.57	
220	83.31	87.51	
225	83.92	88.15	
230	84.29	88.54	
235	84.46	88.71	
240	84.46	88.72	
245	84.36	88.61	
250	84.19	88.43	
255	83.98	88.22	
260	83.79	88.01	
265	83.63	87.84	
270	83.52	87.73	
275	83.49	87.69	
280	83.52	87.73	
285	83.63	87.84	
290	83.79	88.01	
295	83.98	88.22	
300	84.19	88.43	
305	84.36	88.61	
310	84.46	88.72	
315	84.46	88.71	
320	84.29	88.54	
325	83.92	88.15	
330	83.31	87.51	
335	82.41	86.57	
340	81.20	85.29	
345	79.65	83.67	
350	77.76	81.68	
355	75.52	79.33	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission