

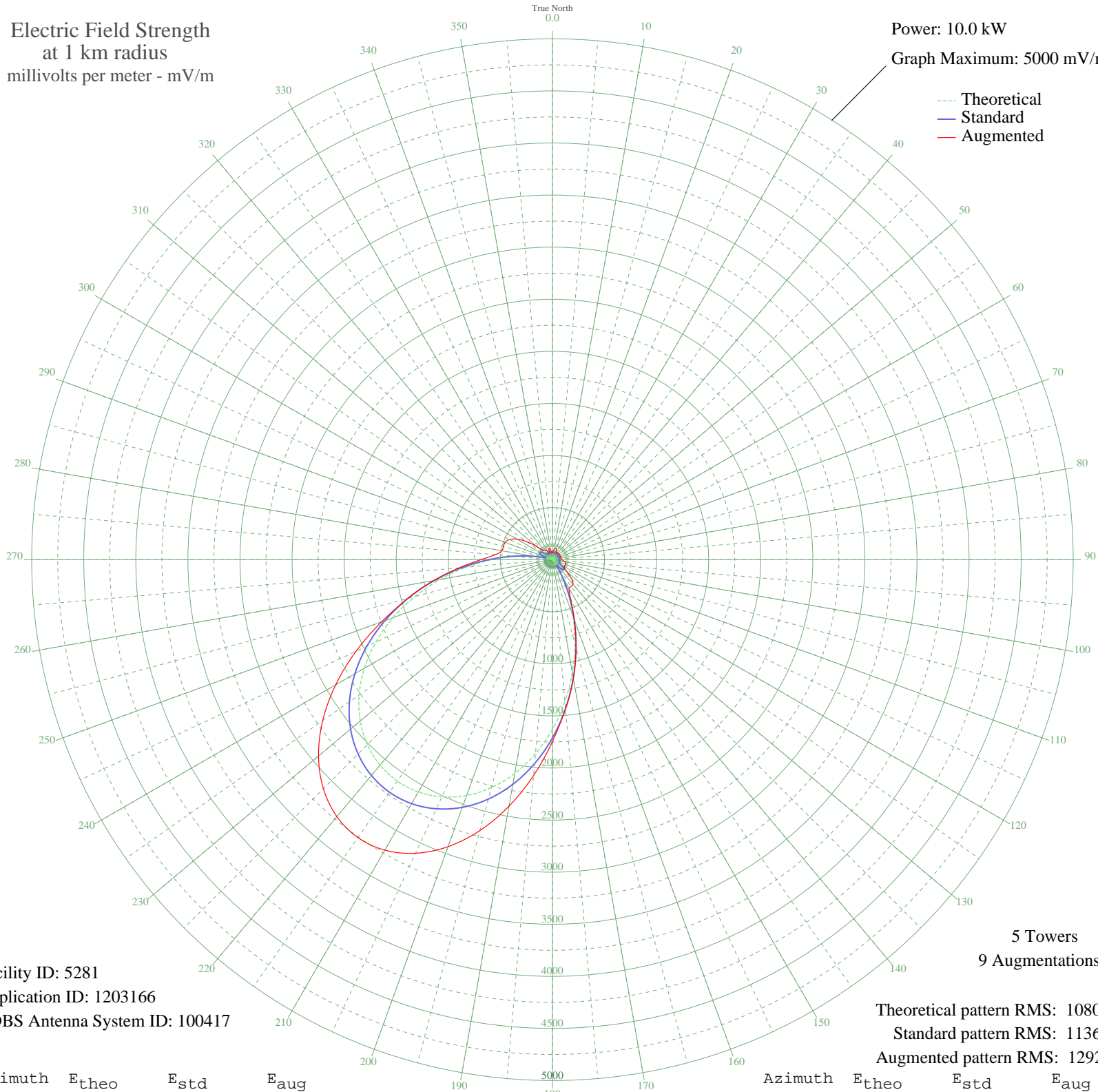
KRFT UNIVERSITY CITY, MO BMJP-20051031AEJ 1190 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 5281  
Application ID: 1203166  
CDBS Antenna System ID: 100417

5 Towers  
9 Augmentations

Theoretical pattern RMS: 1080.80  
Standard pattern RMS: 1136.59  
Augmented pattern RMS: 1292.77

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	31.55	71.25	71.25
5	27.29	69.29	82.52
10	16.96	65.55	102.69
15	2.86	63.16	113.76
20	12.21	64.37	108.90
25	25.40	68.49	91.57
30	34.36	72.68	77.48
35	37.53	74.38	80.30
40	34.36	72.68	82.61
45	25.40	68.49	82.47
50	12.21	64.37	81.41
55	2.86	63.16	81.02
60	16.96	65.55	81.61
65	27.29	69.29	82.55
70	31.55	71.25	84.39
75	28.55	69.85	85.24
80	18.64	66.05	84.59
85	3.87	63.22	83.71
90	12.09	64.35	88.68
95	24.56	68.15	104.46
100	28.75	69.94	120.57
105	21.03	66.84	130.11
110	0.18	63.09	132.40
115	31.70	71.33	131.29
120	68.75	95.87	133.11
125	101.75	124.07	139.91
130	119.27	140.22	179.78
135	109.43	131.08	258.66
140	61.86	90.55	307.06
145	30.56	70.78	313.80
150	170.43	189.75	319.84
155	355.46	378.53	410.27
160	578.83	611.04	611.66
165	830.27	874.06	874.06
170	1097.49	1154.09	1154.09
175	1367.68	1437.45	1437.45

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1628.81	1711.41	1746.37
185	1870.56	1965.10	2080.07
190	2084.75	2189.90	2403.32
195	2265.47	2379.58	2692.65
200	2408.78	2530.01	2931.99
205	2512.31	2638.68	3110.21
210	2574.80	2704.28	3219.96
215	2595.68	2726.20	3257.00
220	2574.80	2704.28	3219.96
225	2512.31	2638.68	3110.21
230	2408.78	2530.01	2931.99
235	2265.47	2379.58	2692.65
240	2084.75	2189.90	2403.31
245	1870.56	1965.10	2080.07
250	1628.81	1711.41	1746.37
255	1367.67	1437.44	1437.44
260	1097.48	1154.08	1157.44
265	830.27	874.06	898.48
270	578.83	611.03	686.93
275	355.46	378.52	549.47
280	170.43	189.74	493.51
285	30.56	70.78	486.98
290	61.86	90.55	483.75
295	109.43	131.08	455.49
300	119.27	140.22	393.34
305	101.74	124.07	300.71
310	68.75	95.87	196.14
315	31.70	71.33	121.34
320	0.18	63.09	120.50
325	21.03	66.84	112.54
330	28.75	69.94	90.25
335	24.56	68.15	70.44
340	12.09	64.35	99.59
345	3.87	63.22	112.28
350	18.64	66.05	86.10
355	28.55	69.85	69.85