

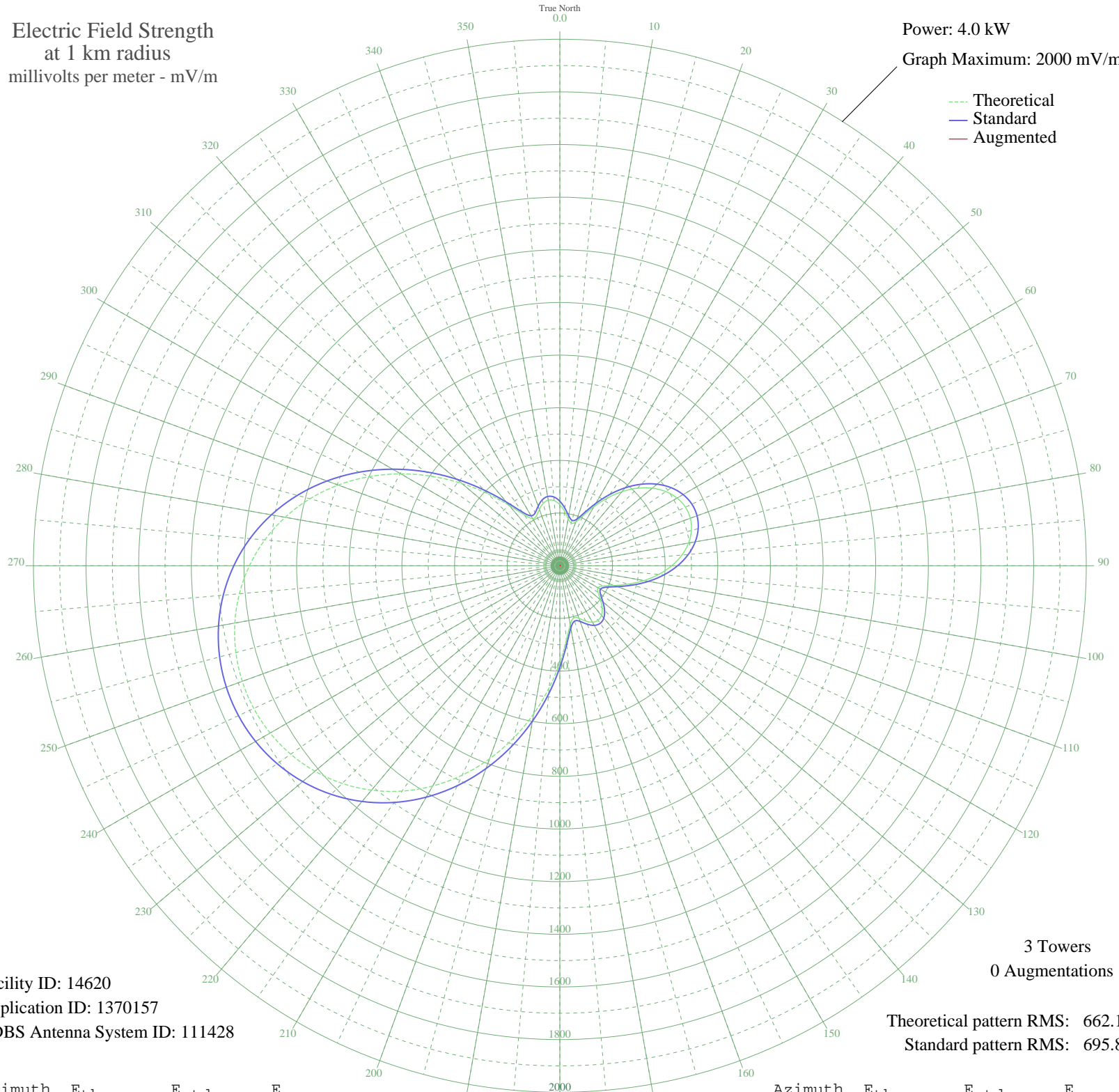
KEXS EXCELSIOR SPRINGS, MO BMML-20100512AIZ 1090 kHz

Critical Hours

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

Power: 4.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 14620
Application ID: 1370157
CDBS Antenna System ID: 111428

3 Towers
0 Augmentations

Theoretical pattern RMS: 662.10
Standard pattern RMS: 695.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	231.71	244.94	
5	207.06	219.26	
10	181.78	192.96	
15	167.80	178.46	
20	177.07	188.07	
25	210.58	222.91	
30	259.12	273.55	
35	313.37	330.26	
40	367.07	386.46	
45	416.21	437.94	
50	458.19	481.93	
55	491.25	516.59	
60	514.24	540.69	
65	526.47	553.52	
70	527.58	554.69	
75	517.56	544.18	
80	496.68	522.28	
85	465.56	489.66	
90	425.25	447.41	
95	377.36	397.24	
100	324.31	341.70	
105	269.76	284.66	
110	219.42	232.13	
115	182.05	193.25	
120	167.55	178.19	
125	177.64	188.66	
130	201.74	213.71	
135	227.25	240.29	
140	245.80	259.64	
145	252.99	267.15	
150	247.54	261.46	
155	231.65	244.87	
160	212.64	225.06	
165	205.24	217.35	
170	227.24	240.28	
175	284.14	299.69	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	367.12	386.52	
185	465.29	489.37	
190	570.50	599.70	
195	676.97	711.38	
200	780.40	819.91	
205	877.63	921.95	
210	966.38	1015.10	
215	1045.13	1097.75	
220	1112.96	1168.95	
225	1169.46	1228.26	
230	1214.53	1275.57	
235	1248.30	1311.03	
240	1271.00	1334.85	
245	1282.82	1347.26	
250	1283.89	1348.38	
255	1274.23	1338.24	
260	1253.72	1316.71	
265	1222.18	1283.60	
270	1179.38	1238.68	
275	1125.18	1181.77	
280	1059.59	1112.93	
285	982.97	1032.51	
290	896.12	941.35	
295	800.43	840.93	
300	698.01	733.46	
305	591.85	622.09	
310	485.98	511.06	
315	385.84	406.12	
320	299.03	315.26	
325	235.99	249.40	
330	206.84	219.02	
335	209.62	221.92	
340	227.74	240.80	
345	245.05	258.86	
350	252.90	267.05	
355	248.23	262.18	

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.

26 Dec 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission