

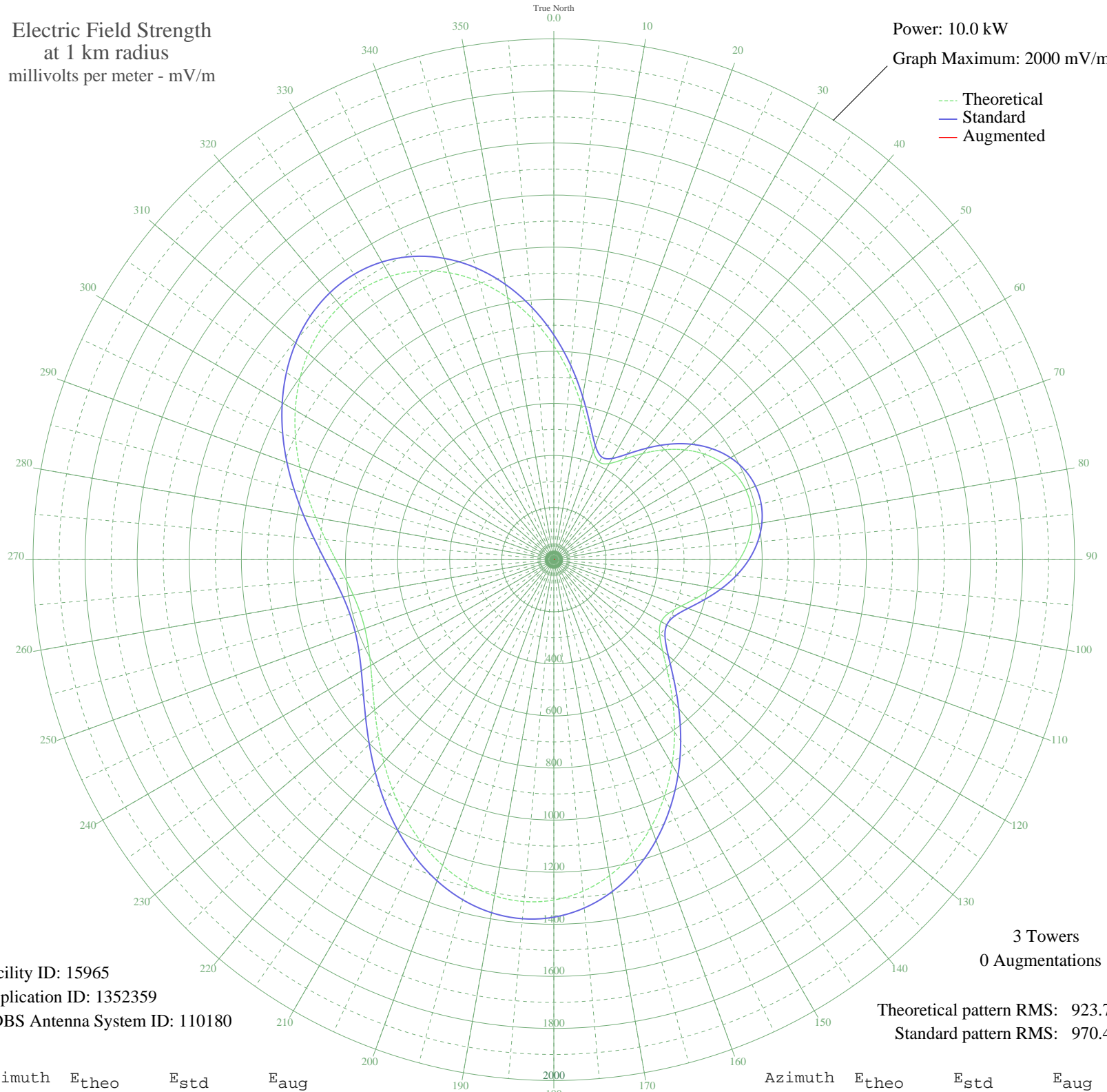
# KCAA ABERDEEN, SD BMML-20100104AFE 1560 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 15965  
Application ID: 1352359  
CDBS Antenna System ID: 110180

3 Towers  
0 Augmentations

Theoretical pattern RMS: 923.72  
Standard pattern RMS: 970.47

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	821.39	863.10	
5	711.98	748.32	
10	605.24	636.37	
15	511.05	537.63	
20	442.59	465.90	
25	413.06	434.98	
30	426.18	448.72	
35	471.28	495.96	
40	532.27	559.86	
45	596.45	627.15	
50	655.97	689.57	
55	706.37	742.43	
60	745.25	783.22	
65	771.44	810.69	
70	784.52	824.42	
75	784.57	824.47	
80	772.04	811.32	
85	747.70	785.79	
90	712.75	749.13	
95	669.01	703.25	
100	619.23	651.04	
105	567.63	596.94	
110	520.53	547.56	
115	486.66	512.07	
120	475.95	500.85	
125	495.53	521.37	
130	545.58	573.82	
135	619.91	651.75	
140	710.05	746.29	
145	808.18	849.24	
150	907.88	953.86	
155	1003.98	1054.70	
160	1092.22	1147.31	
165	1169.11	1228.02	
170	1231.84	1293.86	
175	1278.28	1342.60	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1307.09	1372.85	
185	1317.77	1384.06	
190	1310.71	1376.65	
195	1287.18	1351.95	
200	1249.27	1312.15	
205	1199.75	1260.18	
210	1141.90	1199.46	
215	1079.28	1133.74	
220	1015.52	1066.82	
225	954.09	1002.34	
230	898.11	943.60	
235	850.22	893.35	
240	812.48	853.75	
245	786.30	826.28	
250	772.47	811.77	
255	771.20	810.44	
260	782.21	821.99	
265	804.76	845.65	
270	837.72	880.23	
275	879.57	924.14	
280	928.45	975.44	
285	982.16	1031.80	
290	1038.23	1090.65	
295	1094.00	1149.18	
300	1146.70	1204.49	
305	1193.57	1253.68	
310	1231.96	1293.98	
315	1259.43	1322.82	
320	1273.83	1337.93	
325	1273.37	1337.45	
330	1256.73	1319.99	
335	1223.10	1284.68	
340	1172.28	1231.34	
345	1104.82	1160.53	
350	1022.08	1073.70	
355	926.43	973.31	

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