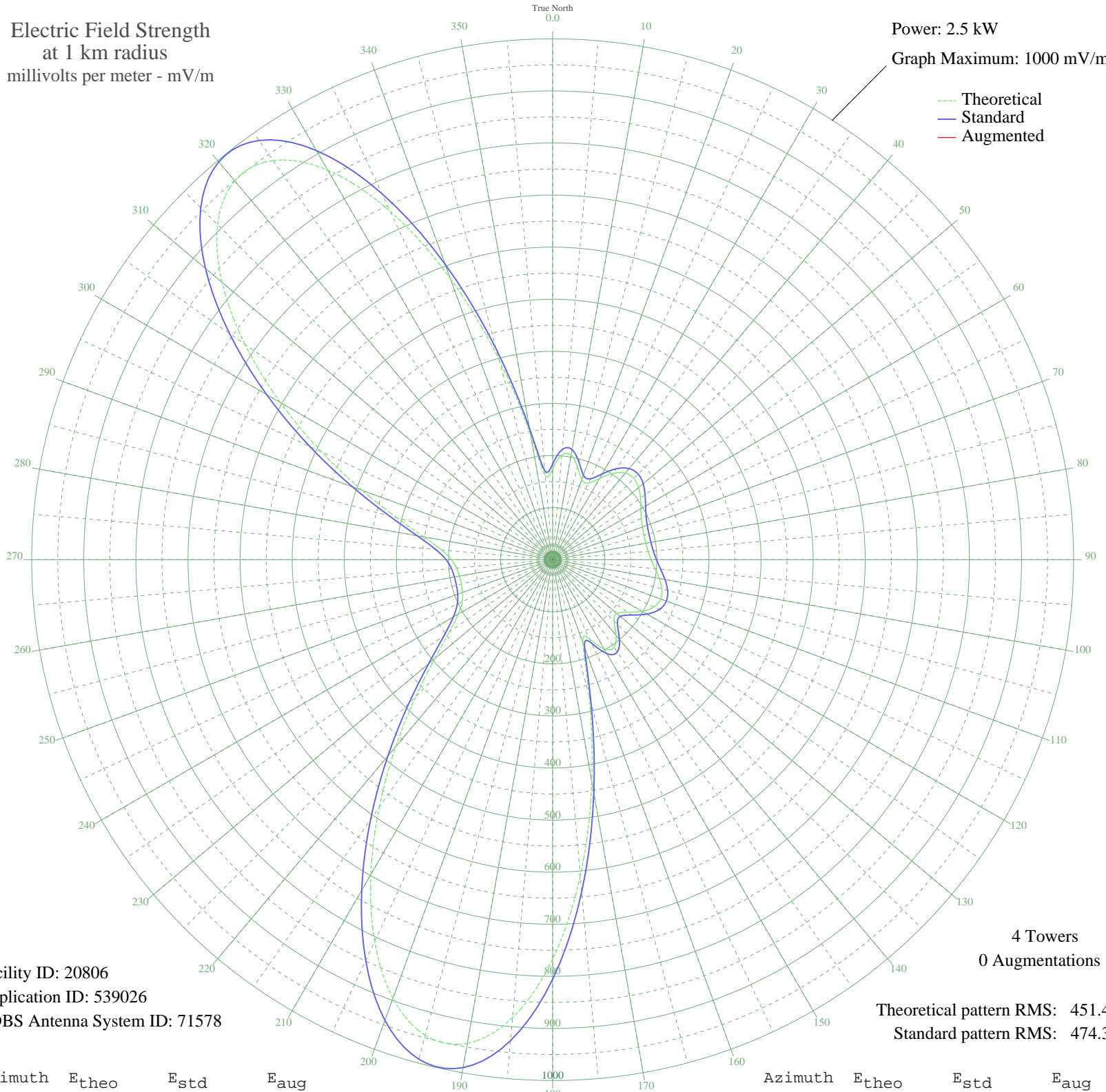


KYFR SHENANDOAH, IA BML-20000519ADZ 920 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 20806  
Application ID: 539026  
CDBS Antenna System ID: 71578

4 Towers  
0 Augmentations

Theoretical pattern RMS: 451.47  
Standard pattern RMS: 474.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	174.16	183.62	
5	201.57	212.30	
10	203.71	214.54	
15	184.36	194.28	
20	163.72	172.70	
25	162.21	171.13	
30	180.23	189.97	
35	202.29	213.05	
40	216.81	228.26	
45	220.54	232.16	
50	215.44	226.82	
55	205.72	216.64	
60	195.61	206.06	
65	187.89	197.98	
70	183.35	193.23	
75	181.49	191.29	
80	181.69	191.49	
85	184.02	193.93	
90	189.18	199.33	
95	197.50	208.04	
100	207.81	218.83	
105	216.97	228.43	
110	220.61	232.24	
115	214.76	226.11	
120	198.24	208.81	
125	175.78	185.32	
130	160.59	169.43	
135	166.79	175.92	
140	189.10	199.25	
145	205.45	216.36	
150	197.73	208.28	
155	167.90	177.08	
160	169.65	178.90	
165	270.28	284.27	
170	433.05	455.00	
175	609.46	640.15	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	766.98	805.50	
185	882.57	926.85	
190	942.98	990.27	
195	945.39	992.80	
200	896.26	941.22	
205	808.49	849.08	
210	697.94	733.03	
215	580.18	609.42	
220	468.23	491.92	
225	371.46	390.39	
230	295.43	310.65	
235	241.94	254.57	
240	209.03	220.11	
245	191.72	201.99	
250	184.04	193.95	
255	181.42	191.21	
260	181.68	191.48	
265	185.05	195.01	
270	194.23	204.61	
275	214.18	225.50	
280	250.87	263.94	
285	308.84	324.71	
290	389.28	409.08	
295	489.65	514.40	
300	603.64	634.04	
305	721.10	757.34	
310	828.39	869.97	
315	909.65	955.28	
320	949.35	996.96	
325	935.59	982.51	
330	863.60	906.93	
335	738.23	775.32	
340	574.79	603.76	
345	398.16	418.40	
350	243.21	255.91	
355	162.07	170.98	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission