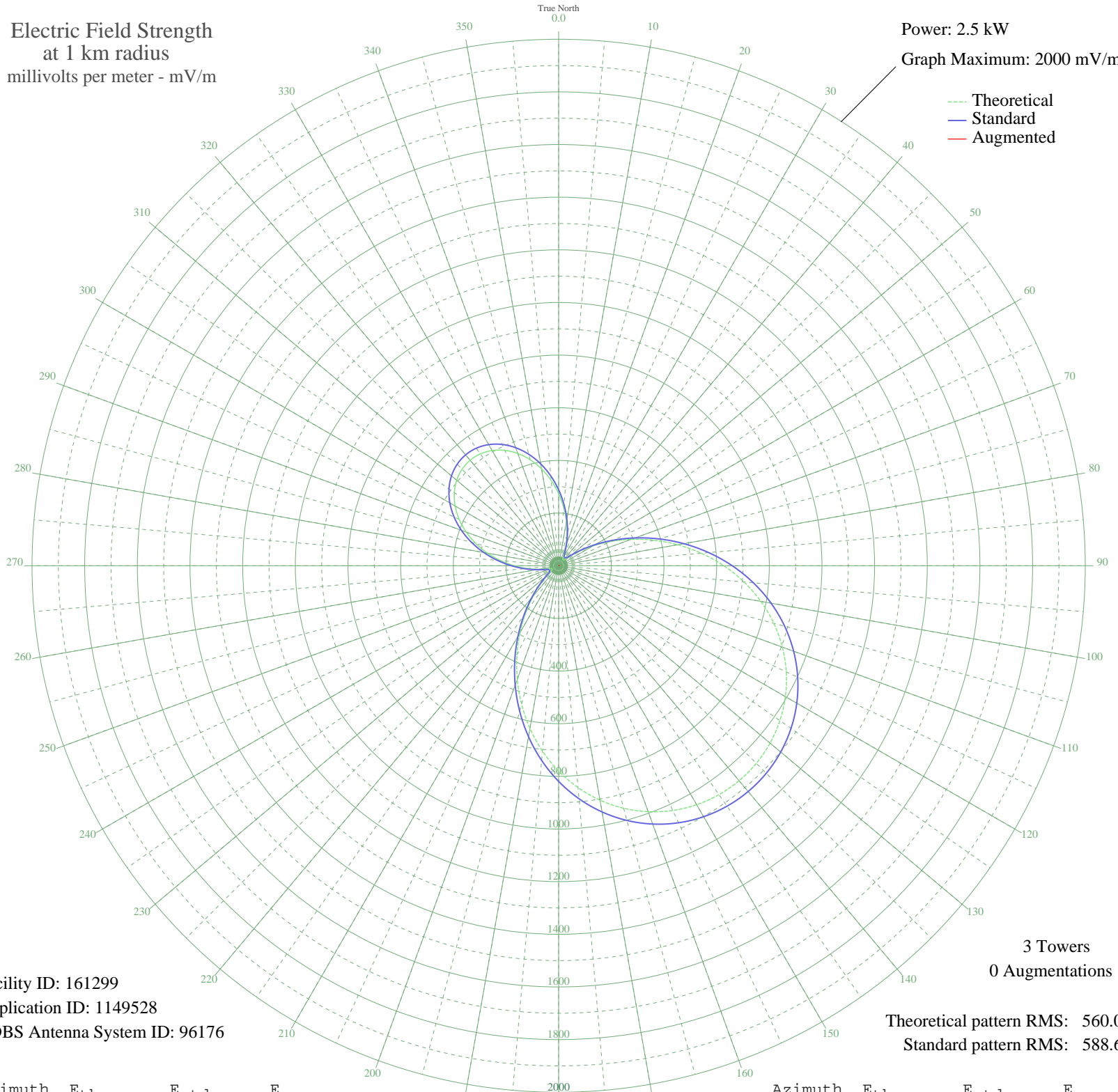


WKFD CHARLESTOWN, RI BNP-20050118AKC 1370 kHz

Daytime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



Facility ID: 161299
Application ID: 1149528
CDBS Antenna System ID: 96176

3 Towers
0 Augmentations

Theoretical pattern RMS: 560.07
Standard pattern RMS: 588.63

Azimuth	E _{theo}	E _{std}	E _{aug}
0	273.59	288.41	
5	220.78	233.23	
10	168.96	179.23	
15	120.70	129.29	
20	78.98	86.77	
25	47.49	56.02	
30	30.86	41.26	
35	27.74	38.74	
40	27.79	38.78	
45	32.70	42.79	
50	54.94	63.09	
55	95.61	103.59	
60	150.80	160.39	
65	217.51	229.81	
70	292.98	308.69	
75	374.43	393.98	
80	459.07	482.70	
85	544.21	572.00	
90	627.41	659.27	
95	706.53	742.29	
100	779.85	819.24	
105	846.05	888.72	
110	904.20	949.75	
115	953.72	1001.73	
120	994.28	1044.30	
125	1025.77	1077.36	
130	1048.20	1100.91	
135	1061.62	1115.00	
140	1066.09	1119.68	
145	1061.62	1115.00	
150	1048.20	1100.91	
155	1025.77	1077.36	
160	994.28	1044.30	
165	953.72	1001.73	
170	904.20	949.75	
175	846.05	888.72	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	779.85	819.24	
185	706.53	742.29	
190	627.41	659.27	
195	544.22	572.00	
200	459.07	482.70	
205	374.43	393.98	
210	292.98	308.69	
215	217.51	229.81	
220	150.80	160.39	
225	95.61	103.59	
230	54.94	63.09	
235	32.70	42.79	
240	27.79	38.78	
245	27.74	38.74	
250	30.86	41.26	
255	47.49	56.02	
260	78.98	86.77	
265	120.70	129.29	
270	168.96	179.23	
275	220.78	233.23	
280	273.59	288.41	
285	325.10	342.31	
290	373.34	392.84	
295	416.65	438.23	
300	453.72	477.09	
305	483.51	508.33	
310	505.29	531.17	
315	518.55	545.08	
320	523.00	549.75	
325	518.55	545.08	
330	505.29	531.17	
335	483.51	508.33	
340	453.72	477.09	
345	416.65	438.23	
350	373.34	392.84	
355	325.10	342.31	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission