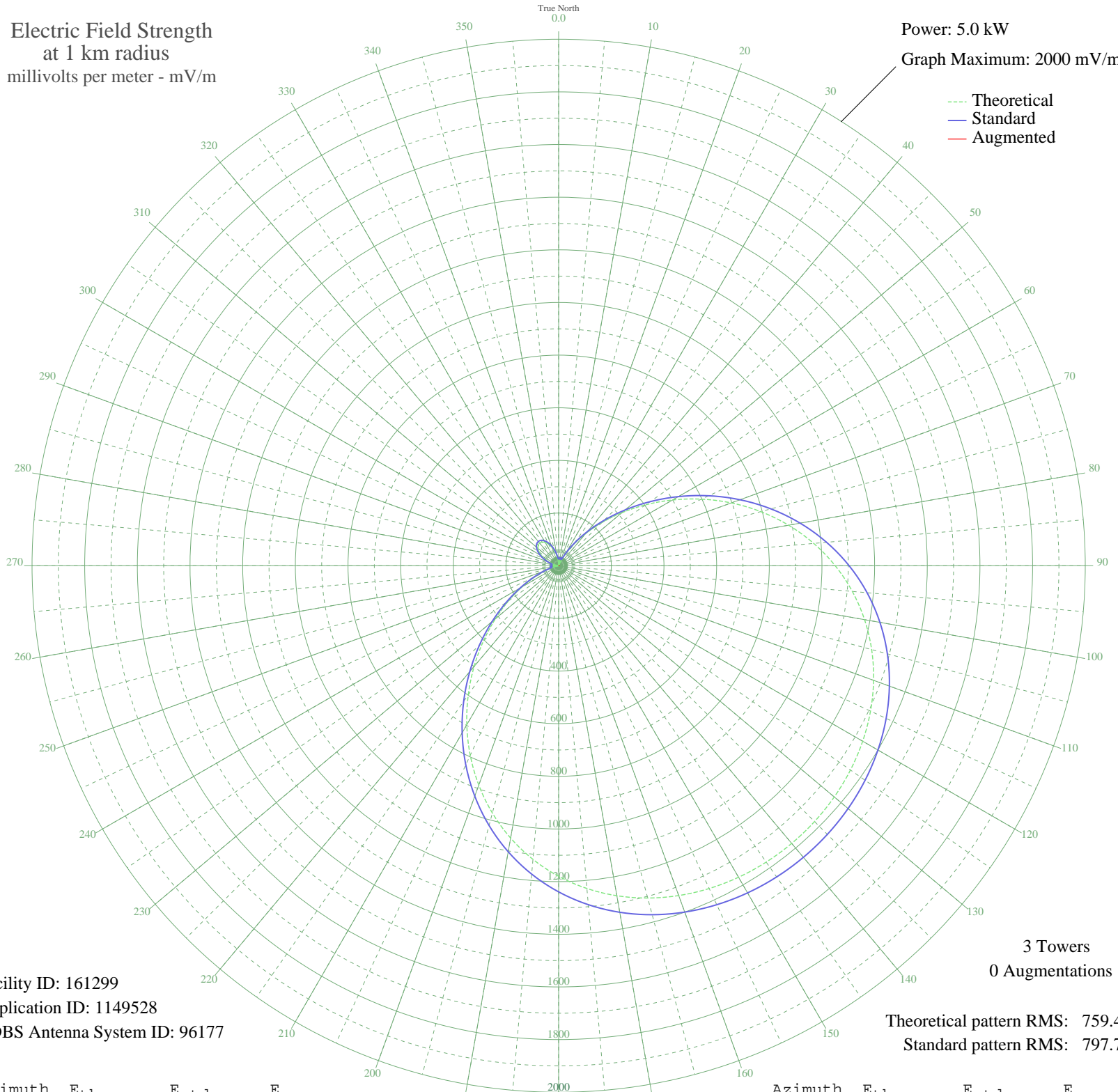


WKFD CHARLESTOWN, RI BNP-20050118AKC 1370 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 161299
Application ID: 1149528
CDBS Antenna System ID: 96177

3 Towers
0 Augmentations

Theoretical pattern RMS: 759.41
Standard pattern RMS: 797.75

Azimuth	E _{theo}	E _{std}	E _{aug}
0	0.49	24.17	
5	13.51	28.02	
10	20.31	32.23	
15	18.91	31.28	
20	7.54	25.43	
25	15.24	28.98	
30	50.41	58.18	
35	98.35	106.06	
40	158.85	168.53	
45	230.99	243.74	
50	313.25	329.80	
55	403.58	424.45	
60	499.54	525.08	
65	598.46	628.85	
70	697.62	732.90	
75	794.47	834.54	
80	886.71	931.36	
85	972.50	1021.41	
90	1050.44	1103.23	
95	1119.65	1175.88	
100	1179.73	1238.96	
105	1230.69	1292.45	
110	1272.87	1336.73	
115	1306.84	1372.40	
120	1333.29	1400.17	
125	1352.95	1420.80	
130	1366.46	1434.98	
135	1374.34	1443.26	
140	1376.93	1445.98	
145	1374.34	1443.26	
150	1366.46	1434.98	
155	1352.95	1420.80	
160	1333.29	1400.17	
165	1306.84	1372.40	
170	1272.87	1336.73	
175	1230.69	1292.45	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1179.73	1238.96	
185	1119.65	1175.89	
190	1050.44	1103.23	
195	972.50	1021.41	
200	886.71	931.36	
205	794.47	834.54	
210	697.63	732.90	
215	598.46	628.85	
220	499.54	525.08	
225	403.58	424.45	
230	313.25	329.80	
235	230.99	243.74	
240	158.85	168.53	
245	98.35	106.06	
250	50.41	58.18	
255	15.24	28.98	
260	7.54	25.43	
265	18.91	31.28	
270	20.31	32.23	
275	13.51	28.02	
280	0.49	24.17	
285	16.71	29.86	
290	36.11	44.96	
295	55.85	63.42	
300	74.30	81.67	
305	90.09	97.64	
310	102.15	109.95	
315	109.70	117.69	
320	112.26	120.33	
325	109.70	117.69	
330	102.15	109.95	
335	90.09	97.63	
340	74.30	81.67	
345	55.85	63.42	
350	36.11	44.96	
355	16.71	29.86	