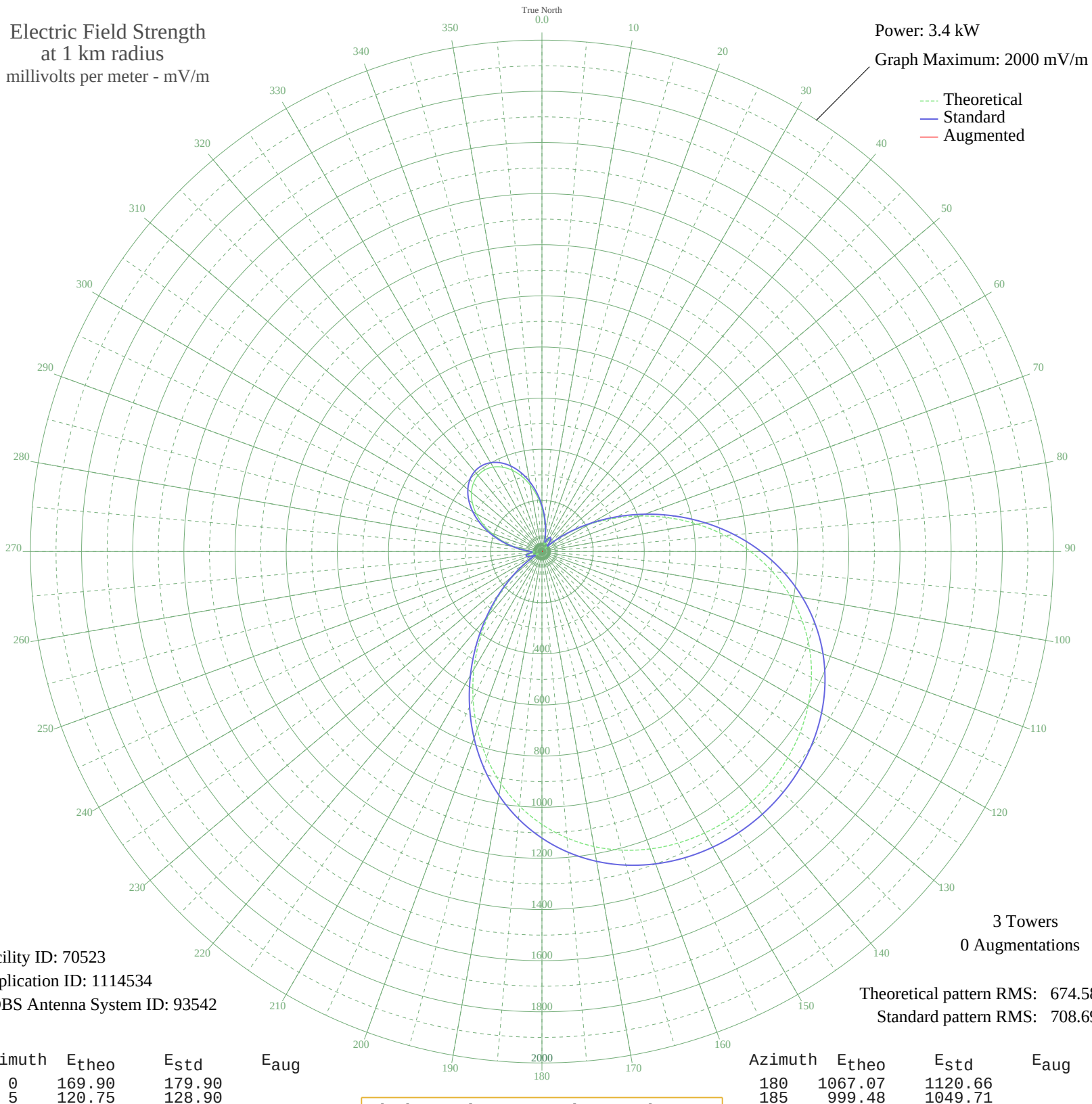
WAZN WATERTOWN, MA BL-20031112AJV 1470 kHz

Nighttime

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



Power: 3.4 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 70523
Application ID: 1114534
CDBS Antenna System ID: 93542

Theoretical pattern RMS: 674.58
Standard pattern RMS: 708.69

Azimuth	E_{theo}	E_{std}	E_{aug}
0	169.90	179.90	
5	120.75	128.90	
10	74.36	81.46	
15	37.20	45.45	
20	29.66	38.86	
25	46.23	53.82	
30	56.87	64.07	
35	53.98	61.26	
40	35.82	44.21	
45	15.97	28.66	
50	59.98	67.13	
55	128.35	136.76	
60	211.08	222.85	
65	304.79	320.87	
70	405.99	426.93	
75	511.08	537.14	
80	616.51	647.75	
85	719.03	755.34	
90	815.89	857.00	
95	904.95	950.48	
100	984.72	1034.22	
105	1054.38	1107.35	
110	1113.66	1169.57	
115	1162.74	1221.10	
120	1202.14	1262.46	
125	1232.55	1294.39	
130	1254.71	1317.65	
135	1269.27	1332.94	
140	1276.75	1340.79	
145	1277.42	1341.49	
150	1271.32	1335.09	
155	1258.21	1321.32	
160	1237.62	1299.71	
165	1208.92	1269.58	
170	1171.38	1230.16	
175	1124.28	1180.72	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1067.07	1120.66	
185	999.48	1049.71	
190	921.68	968.05	
195	834.38	876.41	
200	738.93	776.23	
205	637.34	669.61	
210	532.25	559.35	
215	426.82	448.76	
220	324.54	341.56	
225	229.05	241.63	
230	143.86	152.83	
235	72.31	79.40	
240	20.59	31.74	
245	30.56	39.62	
250	51.57	58.92	
255	57.47	64.67	
260	49.24	56.68	
265	32.49	41.28	
270	32.35	41.15	
275	65.85	72.94	
280	111.12	118.96	
285	160.03	169.63	
290	208.92	220.60	
295	255.18	268.94	
300	296.71	312.41	
305	331.90	349.26	
310	359.52	378.21	
315	378.71	398.32	
320	388.91	409.02	
325	389.84	410.00	
330	381.48	401.23	
335	364.05	382.96	
340	338.06	355.72	
345	304.30	320.36	
350	263.92	278.09	
355	218.46	230.56	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission