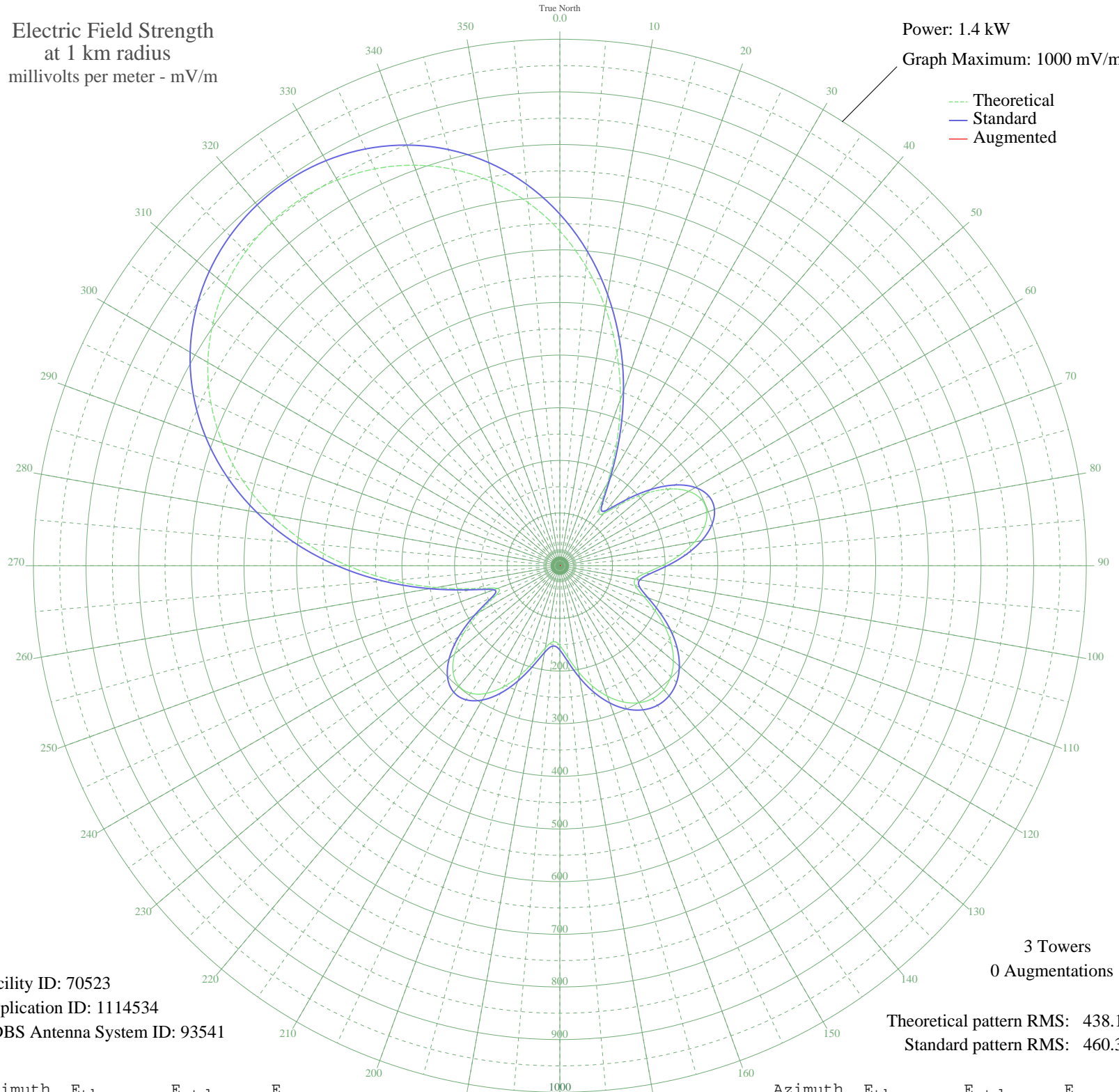


# WAZN WATERTOWN, MA BL-20031112AJV 1470 kHz

Daytime

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

Power: 1.4 kW  
Graph Maximum: 1000 mV/m



Facility ID: 70523  
Application ID: 1114534  
CDBS Antenna System ID: 93541

3 Towers  
0 Augmentations

Theoretical pattern RMS: 438.14  
Standard pattern RMS: 460.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	635.80	667.81	
5	570.62	599.41	
10	497.79	522.97	
15	418.85	440.13	
20	336.31	353.55	
25	254.24	267.51	
30	180.15	189.95	
35	130.56	138.18	
40	129.39	136.96	
45	167.13	176.34	
50	213.69	225.04	
55	254.11	267.38	
60	282.63	297.27	
65	297.09	312.43	
70	297.21	312.55	
75	284.08	298.78	
80	259.93	273.48	
85	228.19	240.23	
90	193.67	204.09	
95	163.26	172.30	
100	145.95	154.23	
105	148.64	157.03	
110	169.05	178.35	
115	198.61	209.26	
120	229.93	242.05	
125	258.50	271.97	
130	281.72	296.32	
135	298.14	313.53	
140	306.94	322.76	
145	307.75	323.60	
150	300.53	316.03	
155	285.59	300.37	
160	263.63	277.35	
165	235.97	248.38	
170	204.92	215.86	
175	174.51	184.06	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	151.55	160.07	
185	144.80	153.03	
190	158.44	167.27	
195	187.00	197.11	
200	221.32	233.04	
205	254.06	267.33	
210	280.04	294.55	
215	295.59	310.85	
220	298.24	313.64	
225	286.68	301.51	
230	260.87	274.46	
235	222.53	234.30	
240	176.43	186.06	
245	134.92	142.73	
250	125.96	133.39	
255	167.49	176.72	
260	238.43	250.96	
265	319.69	336.12	
270	402.53	423.01	
275	482.43	506.84	
280	556.63	584.72	
285	623.42	654.83	
290	681.82	716.13	
295	731.40	768.16	
300	772.10	810.89	
305	804.15	844.54	
310	827.90	869.47	
315	843.72	886.08	
320	851.92	894.68	
325	852.66	895.46	
330	845.96	888.43	
335	831.69	873.45	
340	809.55	850.21	
345	779.19	818.33	
350	740.24	777.45	
355	692.45	727.28	

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