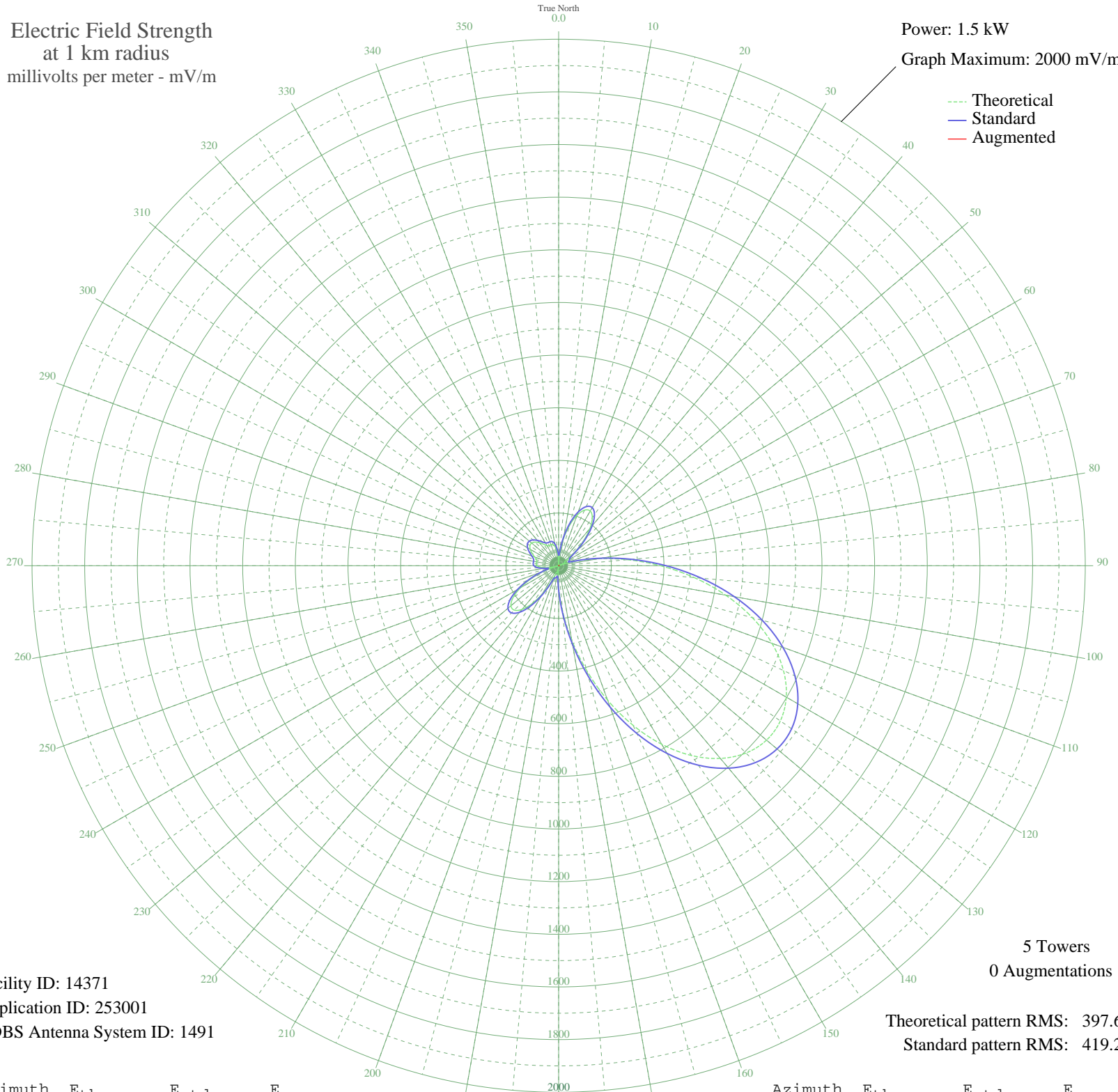


WAEB ALLENTOWN, PA BL-19970910KC 790 kHz

Nighttime

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

Power: 1.5 kW
Graph Maximum: 2000 mV/m



Facility ID: 14371
Application ID: 253001
CDBS Antenna System ID: 1491

5 Towers
0 Augmentations
Theoretical pattern RMS: 397.60
Standard pattern RMS: 419.24

Azimuth	E _{theo}	E _{std}	E _{aug}
0	8.31	39.33	
5	43.41	59.57	
10	100.78	112.56	
15	157.05	169.31	
20	203.75	217.35	
25	233.16	247.81	
30	240.01	254.92	
35	222.79	237.05	
40	184.45	197.43	
45	132.32	144.13	
50	77.42	89.88	
55	35.33	53.36	
60	26.62	47.46	
65	23.57	45.65	
70	6.17	38.90	
75	64.76	78.07	
80	152.42	164.57	
85	262.49	278.27	
90	386.95	408.10	
95	517.06	544.27	
100	644.39	677.70	
105	761.50	800.49	
110	862.31	906.24	
115	942.25	990.11	
120	998.12	1048.73	
125	1027.92	1079.99	
130	1030.64	1082.85	
135	1006.22	1057.22	
140	955.44	1003.94	
145	880.09	924.89	
150	783.13	823.18	
155	668.85	703.34	
160	543.01	571.45	
165	412.80	435.13	
170	286.50	303.26	
175	172.88	185.53	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	80.17	92.50	
185	15.07	41.49	
190	20.26	43.86	
195	27.22	47.83	
200	30.59	50.03	
205	67.33	80.44	
210	121.15	132.86	
215	174.82	187.53	
220	216.63	230.68	
225	238.47	253.31	
230	236.45	251.22	
235	211.23	225.08	
240	167.43	179.93	
245	112.39	124.09	
250	54.58	68.96	
255	3.50	38.53	
260	40.30	57.11	
265	68.04	81.09	
270	81.84	94.11	
275	85.09	97.23	
280	84.22	96.39	
285	86.81	98.89	
290	96.66	108.50	
295	111.07	122.77	
300	124.61	136.34	
305	132.92	144.74	
310	133.72	145.55	
315	126.79	138.54	
320	114.01	125.71	
325	99.35	111.14	
330	88.20	100.24	
335	84.25	96.42	
340	85.00	97.14	
345	83.17	95.38	
350	71.85	84.64	
355	47.01	62.51	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission