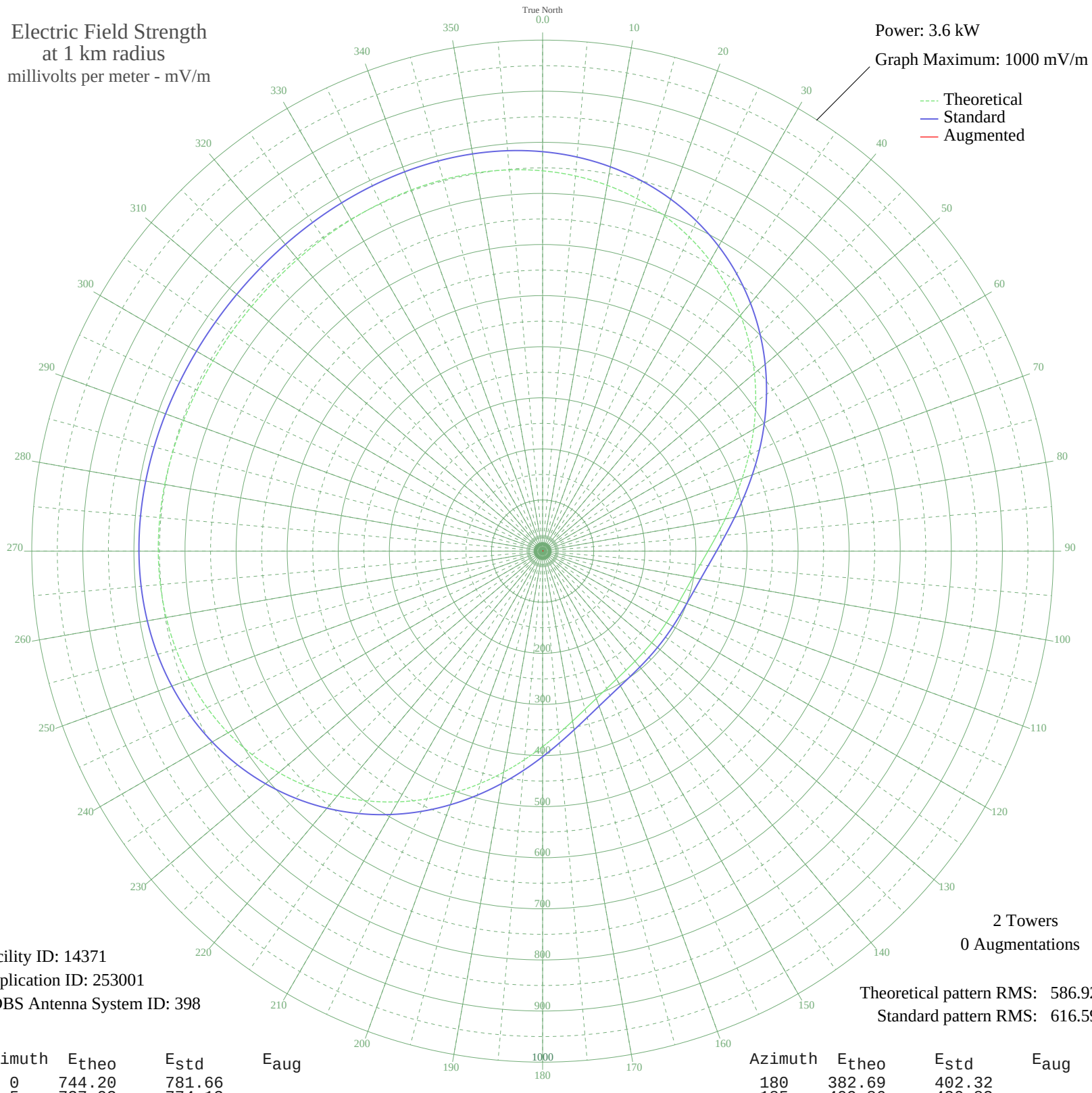
WAEB ALLENTOWN, PA BL-19970910KC 790 kHz

Daytime

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



Power: 3.6 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 14371
Application ID: 253001
CDBS Antenna System ID: 398

Theoretical pattern RMS: 586.92
Standard pattern RMS: 616.59

Azimuth	E_{theo}	E_{std}	E_{aug}
0	744.20	781.66	
5	737.02	774.13	
10	727.04	763.66	
15	714.03	750.00	
20	697.84	733.00	
25	678.44	712.64	
30	655.93	689.02	
35	630.55	662.38	
40	602.65	633.10	
45	572.71	601.68	
50	541.33	568.74	
55	509.17	535.00	
60	476.98	501.23	
65	445.54	468.24	
70	415.60	436.84	
75	387.91	407.79	
80	363.07	381.74	
85	341.56	359.19	
90	323.64	340.40	
95	309.34	325.42	
100	298.47	314.02	
105	290.61	305.79	
110	285.23	300.16	
115	281.80	296.56	
120	279.80	294.47	
125	278.87	293.49	
130	278.79	293.40	
135	279.54	294.19	
140	281.30	296.04	
145	284.41	299.29	
150	289.35	304.47	
155	296.67	312.14	
160	306.91	322.87	
165	320.49	337.11	
170	337.68	355.12	
175	358.49	376.94	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	382.69	402.32	
185	409.86	430.82	
190	439.40	461.80	
195	470.61	494.54	
200	502.71	528.22	
205	534.93	562.03	
210	566.53	595.19	
215	596.81	626.97	
220	625.16	656.72	
225	651.08	683.92	
230	674.18	708.17	
235	694.21	729.19	
240	711.05	746.87	
245	724.69	761.19	
250	735.26	772.28	
255	742.97	780.37	
260	748.13	785.79	
265	751.12	788.93	
270	752.33	790.20	
275	752.19	790.05	
280	751.13	788.94	
285	749.55	787.28	
290	747.79	785.43	
295	746.17	783.73	
300	744.93	782.43	
305	744.23	781.70	
310	744.17	781.63	
315	744.74	782.24	
320	745.89	783.44	
325	747.45	785.07	
330	749.20	786.91	
335	750.85	788.64	
340	752.04	789.90	
345	752.40	790.27	
350	751.49	789.31	
355	748.89	786.59	

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