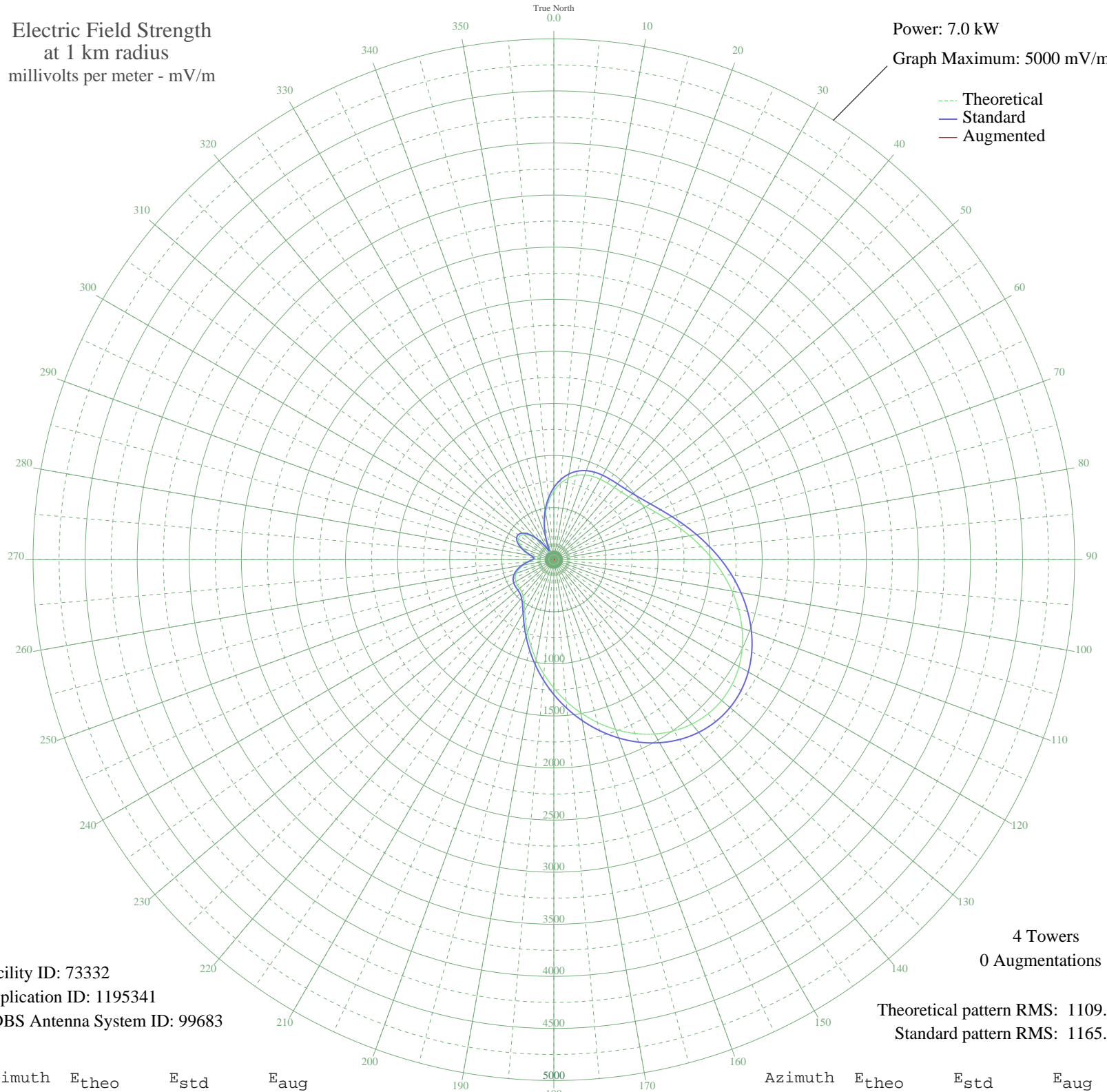


WNSW NEWARK, NJ BP-20070117AFN 1430 kHz

Nighttime

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

Power: 7.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 73332  
Application ID: 1195341  
CDBS Antenna System ID: 99683

Theoretical pattern RMS: 1109.00  
Standard pattern RMS: 1165.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	657.77	691.39	
5	734.89	772.29	
10	794.54	834.87	
15	837.35	879.79	
20	865.37	909.19	
25	881.81	926.44	
30	890.74	935.81	
35	896.70	942.06	
40	904.22	949.96	
45	917.42	963.81	
50	939.62	987.11	
55	973.10	1022.24	
60	1019.11	1070.53	
65	1077.94	1132.28	
70	1149.14	1207.02	
75	1231.61	1293.58	
80	1323.69	1390.24	
85	1423.22	1494.72	
90	1527.49	1604.18	
95	1633.32	1715.28	
100	1737.07	1824.20	
105	1834.83	1926.83	
110	1922.54	2018.91	
115	1996.30	2096.35	
120	2052.61	2155.47	
125	2088.63	2193.29	
130	2102.42	2207.77	
135	2093.04	2197.92	
140	2060.63	2163.89	
145	2006.32	2106.87	
150	1932.10	2028.95	
155	1840.60	1932.89	
160	1734.85	1821.87	
165	1618.08	1699.28	
170	1493.48	1568.48	
175	1364.15	1432.71	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1232.96	1294.99	
185	1102.61	1158.18	
190	975.74	1025.02	
195	855.02	898.33	
200	743.41	781.22	
205	644.32	677.28	
210	561.59	590.52	
215	498.82	524.72	
220	457.85	481.79	
225	436.77	459.70	
230	429.45	452.03	
235	427.48	449.97	
240	422.79	445.06	
245	409.31	430.94	
250	383.52	403.94	
255	344.57	363.18	
260	294.66	311.01	
265	240.21	254.20	
270	194.93	207.11	
275	180.95	192.61	
280	209.08	221.80	
285	261.86	276.77	
290	317.88	335.27	
295	363.81	383.31	
300	391.66	412.46	
305	396.64	417.67	
310	376.36	396.45	
315	330.70	348.68	
320	261.91	276.82	
325	175.86	187.35	
330	93.51	103.17	
335	111.21	120.99	
340	218.34	231.44	
345	338.83	357.18	
350	456.35	480.21	
355	564.08	593.13	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission