

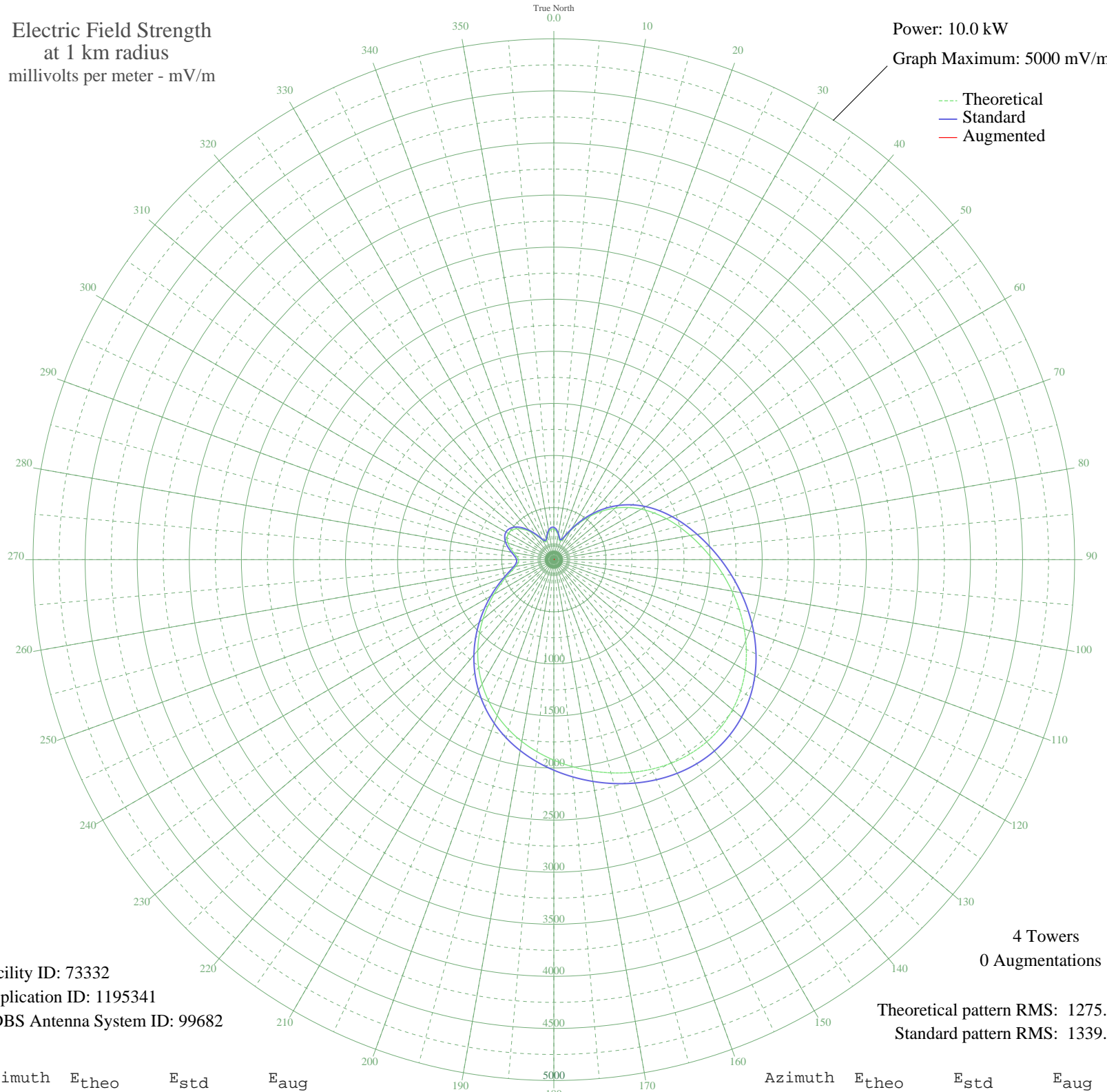
WNSW NEWARK, NJ BP-20070117AFN 1430 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 73332  
Application ID: 1195341  
CDBS Antenna System ID: 99682

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1275.00  
Standard pattern RMS: 1339.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	293.22	310.16	
5	273.55	289.67	
10	237.60	252.28	
15	199.59	212.90	
20	189.64	202.62	
25	234.70	249.28	
30	322.98	341.19	
35	431.55	454.67	
40	546.68	575.24	
45	660.92	694.98	
50	770.27	809.65	
55	873.08	917.50	
60	969.48	1018.64	
65	1060.97	1114.65	
70	1149.90	1207.97	
75	1238.87	1301.35	
80	1330.25	1397.26	
85	1425.69	1497.45	
90	1525.82	1602.55	
95	1630.05	1711.96	
100	1736.63	1823.85	
105	1842.78	1935.29	
110	1944.99	2042.58	
115	2039.36	2141.65	
120	2122.06	2228.47	
125	2189.74	2299.53	
130	2239.89	2352.18	
135	2271.12	2384.97	
140	2283.24	2397.70	
145	2277.26	2391.42	
150	2255.13	2368.18	
155	2219.46	2330.74	
160	2173.10	2282.06	
165	2118.70	2224.96	
170	2058.41	2161.66	
175	1993.55	2093.57	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1924.57	2021.14	
185	1851.04	1943.95	
190	1771.94	1860.91	
195	1685.96	1770.66	
200	1591.94	1671.95	
205	1489.22	1564.13	
210	1378.01	1447.40	
215	1259.60	1323.11	
220	1136.32	1193.72	
225	1011.41	1062.64	
230	888.64	933.83	
235	771.86	811.32	
240	664.42	698.65	
245	568.87	598.49	
250	486.95	512.67	
255	420.21	442.81	
260	371.02	391.37	
265	342.97	362.06	
270	338.98	357.90	
275	357.60	377.35	
280	391.86	413.16	
285	432.06	455.21	
290	468.87	493.74	
295	494.64	520.72	
300	503.83	530.35	
305	493.18	519.20	
310	461.90	486.44	
315	411.81	434.02	
320	347.70	367.01	
325	278.17	294.48	
330	217.67	231.61	
335	187.42	200.33	
340	199.01	212.30	
345	234.69	249.26	
350	270.30	286.29	
355	291.87	308.75	

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