

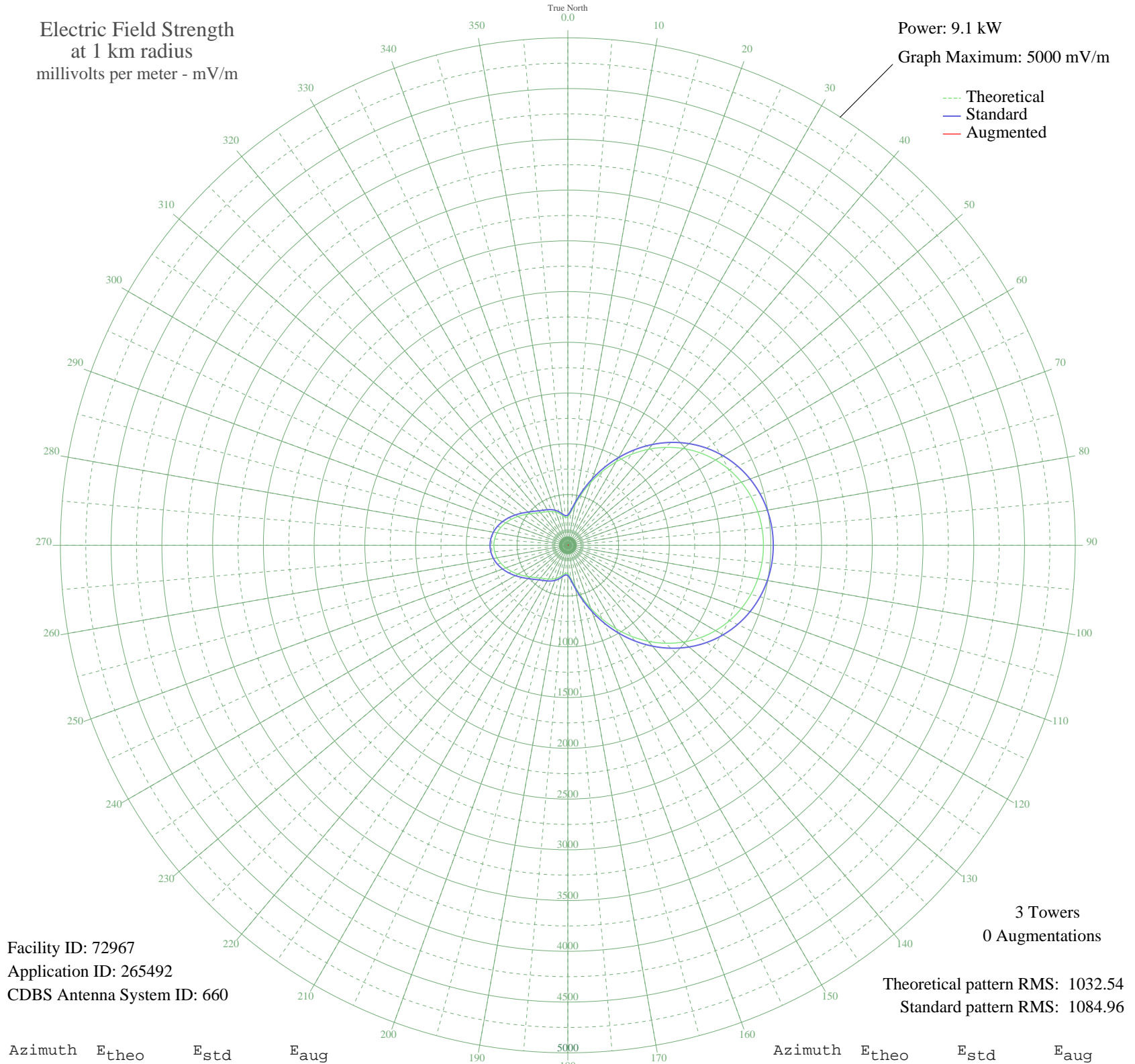
WSGH LEWISVILLE, NC BL-19980403KE 1040 kHz

Daytime

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

Power: 9.1 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 72967  
Application ID: 265492  
CDBS Antenna System ID: 660

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1032.54  
Standard pattern RMS: 1084.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	281.31	298.27	
5	325.79	344.58	
10	410.52	433.04	
15	524.99	552.80	
20	658.26	692.42	
25	801.81	842.92	
30	949.03	997.34	
35	1094.61	1150.08	
40	1234.29	1296.67	
45	1364.78	1433.62	
50	1483.63	1558.36	
55	1589.20	1669.17	
60	1680.54	1765.05	
65	1757.25	1845.58	
70	1819.33	1910.75	
75	1867.05	1960.84	
80	1900.76	1996.23	
85	1920.82	2017.29	
90	1927.48	2024.28	
95	1920.82	2017.29	
100	1900.76	1996.23	
105	1867.05	1960.84	
110	1819.33	1910.75	
115	1757.25	1845.58	
120	1680.54	1765.05	
125	1589.20	1669.17	
130	1483.63	1558.36	
135	1364.78	1433.62	
140	1234.29	1296.67	
145	1094.61	1150.08	
150	949.03	997.34	
155	801.82	842.93	
160	658.26	692.42	
165	524.99	552.80	
170	410.52	433.04	
175	325.79	344.58	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	281.31	298.27	
185	276.77	293.56	
190	296.56	314.13	
195	323.37	342.06	
200	347.75	367.49	
205	367.24	387.82	
210	383.49	404.79	
215	400.17	422.22	
220	421.15	444.14	
225	448.95	473.22	
230	483.97	509.86	
235	524.58	552.37	
240	567.91	597.75	
245	610.73	642.60	
250	649.97	683.72	
255	683.08	718.43	
260	708.09	744.65	
265	723.64	760.95	
270	728.91	766.48	
275	723.64	760.95	
280	708.09	744.65	
285	683.08	718.43	
290	649.97	683.72	
295	610.73	642.60	
300	567.91	597.75	
305	524.58	552.37	
310	483.97	509.86	
315	448.95	473.22	
320	421.15	444.14	
325	400.17	422.22	
330	383.49	404.79	
335	367.24	387.82	
340	347.75	367.49	
345	323.37	342.06	
350	296.56	314.13	
355	276.77	293.56	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission