

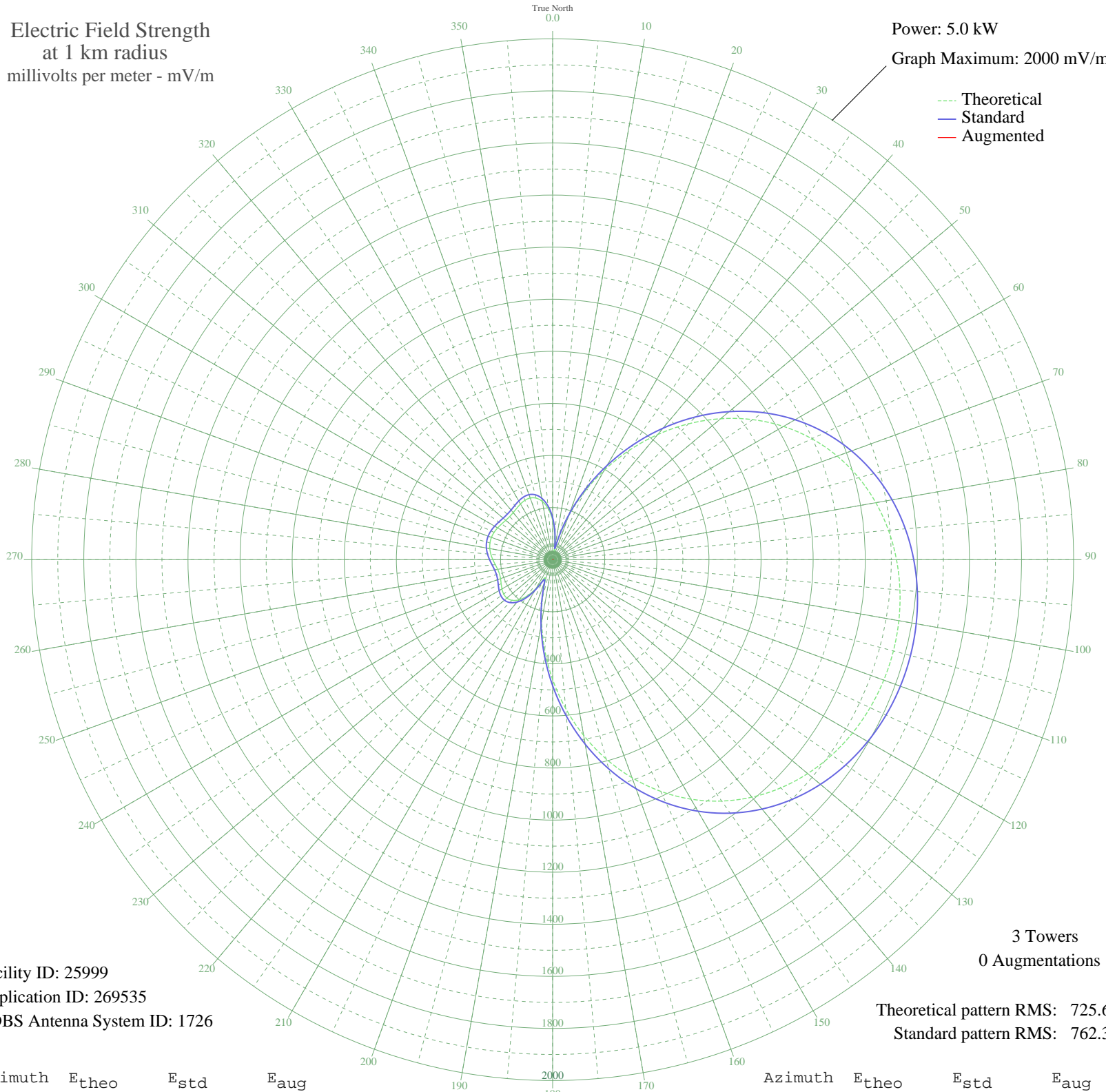
# WAAV LELAND, NC BL-19980609KD 980 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 25999  
Application ID: 269535  
CDBS Antenna System ID: 1726

3 Towers  
0 Augmentations

Theoretical pattern RMS: 725.64  
Standard pattern RMS: 762.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	151.94	161.31	
5	94.20	101.75	
10	35.63	44.38	
15	81.39	88.73	
20	176.90	187.27	
25	283.76	298.90	
30	396.81	417.33	
35	512.34	538.49	
40	626.98	658.76	
45	737.68	774.93	
50	841.86	884.28	
55	937.53	984.69	
60	1023.30	1074.73	
65	1098.42	1153.59	
70	1162.67	1221.04	
75	1216.30	1277.34	
80	1259.88	1323.09	
85	1294.19	1359.10	
90	1320.06	1386.26	
95	1338.29	1405.41	
100	1349.56	1417.23	
105	1354.30	1422.22	
110	1352.72	1420.56	
115	1344.75	1412.19	
120	1330.05	1396.75	
125	1308.04	1373.65	
130	1277.99	1342.10	
135	1239.06	1301.24	
140	1190.47	1250.22	
145	1131.54	1188.35	
150	1061.89	1115.24	
155	981.57	1030.92	
160	891.10	935.96	
165	791.65	831.57	
170	685.00	719.64	
175	573.57	602.72	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	460.37	483.98	
185	348.93	367.15	
190	243.44	256.73	
195	149.95	159.25	
200	83.92	91.29	
205	83.98	91.36	
210	127.29	135.77	
215	169.64	179.71	
220	201.12	212.52	
225	220.58	232.84	
230	229.27	241.92	
235	229.63	242.29	
240	224.77	237.22	
245	218.14	230.29	
250	212.92	224.84	
255	211.40	223.25	
260	214.34	226.32	
265	220.97	233.24	
270	229.54	242.20	
275	238.09	251.13	
280	244.96	258.31	
285	249.07	262.61	
290	250.01	263.60	
295	248.01	261.50	
300	243.91	257.22	
305	239.08	252.17	
310	235.19	248.10	
315	233.78	246.63	
320	235.70	248.63	
325	240.59	253.75	
330	246.80	260.24	
335	251.64	265.30	
340	251.96	265.63	
345	244.59	257.93	
350	226.75	239.28	
355	196.27	207.46	

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