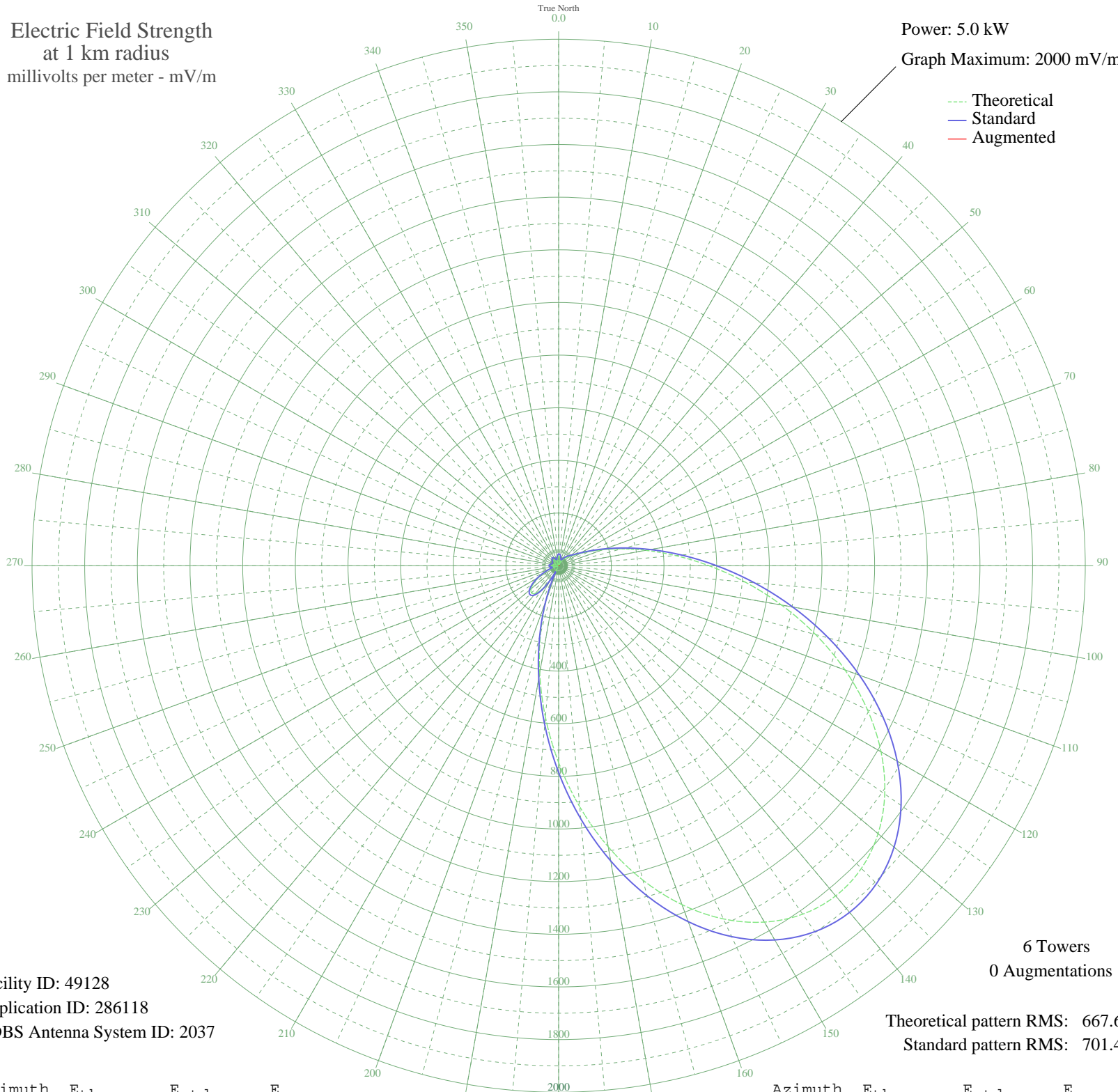


# WALE GREENVILLE, RI BL-19990611AE 990 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 49128  
Application ID: 286118  
CDBS Antenna System ID: 2037

Theoretical pattern RMS: 667.67  
Standard pattern RMS: 701.45

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	36.69	45.11	
5	36.07	44.56	
10	30.31	39.55	
15	20.39	31.78	
20	7.90	24.90	
25	5.42	24.16	
30	17.83	30.03	
35	28.41	37.96	
40	37.13	45.51	
45	45.10	52.85	
50	54.56	61.91	
55	68.72	75.88	
60	91.38	98.78	
65	126.44	134.83	
70	177.44	187.78	
75	246.95	260.36	
80	336.27	353.86	
85	445.03	467.87	
90	571.17	600.19	
95	710.99	746.91	
100	859.41	902.68	
105	1010.39	1061.17	
110	1157.41	1215.51	
115	1293.93	1358.83	
120	1413.85	1484.72	
125	1511.83	1587.60	
130	1583.59	1662.93	
135	1625.95	1707.41	
140	1636.97	1718.98	
145	1615.89	1696.84	
150	1563.14	1641.47	
155	1480.32	1554.51	
160	1370.15	1438.85	
165	1236.49	1298.52	
170	1084.22	1138.67	
175	919.18	965.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	747.88	785.62	
185	577.22	606.54	
190	414.10	435.44	
195	264.88	279.11	
200	134.98	143.66	
205	28.46	38.00	
210	52.57	59.98	
215	107.36	115.15	
220	137.42	146.19	
225	145.69	154.76	
230	136.41	145.14	
235	114.61	122.61	
240	85.57	92.87	
245	54.32	61.68	
250	25.15	35.34	
255	1.83	23.56	
260	15.77	28.73	
265	25.06	35.27	
270	27.62	37.31	
275	25.15	35.34	
280	19.95	31.47	
285	14.36	27.90	
290	10.35	25.87	
295	9.16	25.37	
300	11.10	26.21	
305	15.57	28.61	
310	21.23	32.38	
315	26.34	36.28	
320	29.16	38.59	
325	28.36	37.92	
330	23.30	33.91	
335	14.25	27.84	
340	2.38	23.61	
345	10.80	26.08	
350	22.90	33.61	
355	32.04	41.03	

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