

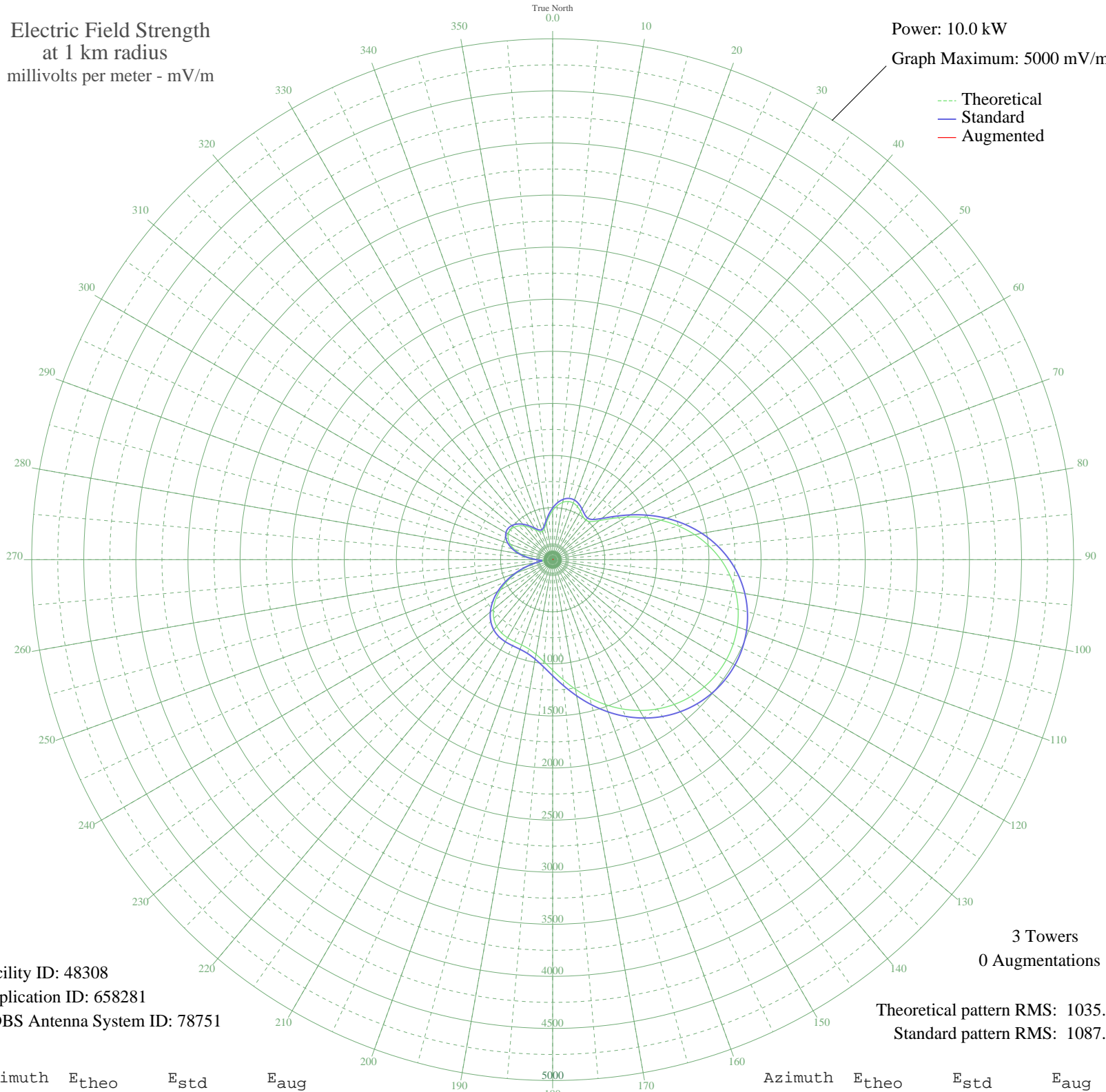
WRNI PROVIDENCE, RI BL-20030401CKB 1290 kHz

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: 48308  
Application ID: 658281  
CDBS Antenna System ID: 78751

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1035.00  
Standard pattern RMS: 1087.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	470.79	496.29	
5	521.80	549.65	
10	558.84	588.43	
15	578.22	608.73	
20	578.71	609.23	
25	562.07	591.81	
30	534.11	562.54	
35	506.04	533.17	
40	494.71	521.30	
45	517.91	545.58	
50	584.12	614.90	
55	688.01	723.75	
60	817.30	859.29	
65	959.89	1008.84	
70	1106.23	1162.37	
75	1249.24	1312.44	
80	1383.82	1453.67	
85	1506.40	1582.33	
90	1614.65	1695.95	
95	1707.18	1793.08	
100	1783.32	1873.00	
105	1842.87	1935.52	
110	1885.97	1980.76	
115	1912.90	2009.02	
120	1923.95	2020.62	
125	1919.40	2015.85	
130	1899.47	1994.92	
135	1864.34	1958.05	
140	1814.28	1905.50	
145	1749.73	1837.74	
150	1671.50	1755.63	
155	1581.00	1660.64	
160	1480.44	1555.08	
165	1373.06	1442.39	
170	1263.33	1327.23	
175	1156.93	1215.58	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1060.49	1114.39	
185	980.65	1030.63	
190	922.40	969.52	
195	887.05	932.45	
200	871.06	915.67	
205	866.84	911.25	
210	865.08	909.40	
215	857.12	901.05	
220	836.31	879.23	
225	798.56	839.64	
230	742.18	780.53	
235	667.60	702.36	
240	576.95	607.39	
245	473.64	499.27	
250	362.16	382.80	
255	248.28	264.38	
260	142.45	155.91	
265	86.68	101.10	
270	141.69	155.15	
275	228.05	243.47	
280	309.43	327.86	
285	378.52	399.87	
290	432.61	456.37	
295	470.40	495.88	
300	491.39	517.83	
305	495.70	522.34	
310	484.12	510.22	
315	458.24	483.16	
320	420.76	443.99	
325	376.09	397.34	
330	331.35	350.69	
335	297.40	315.35	
340	287.25	304.81	
345	307.91	326.29	
350	353.66	373.95	
355	411.86	434.68	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission