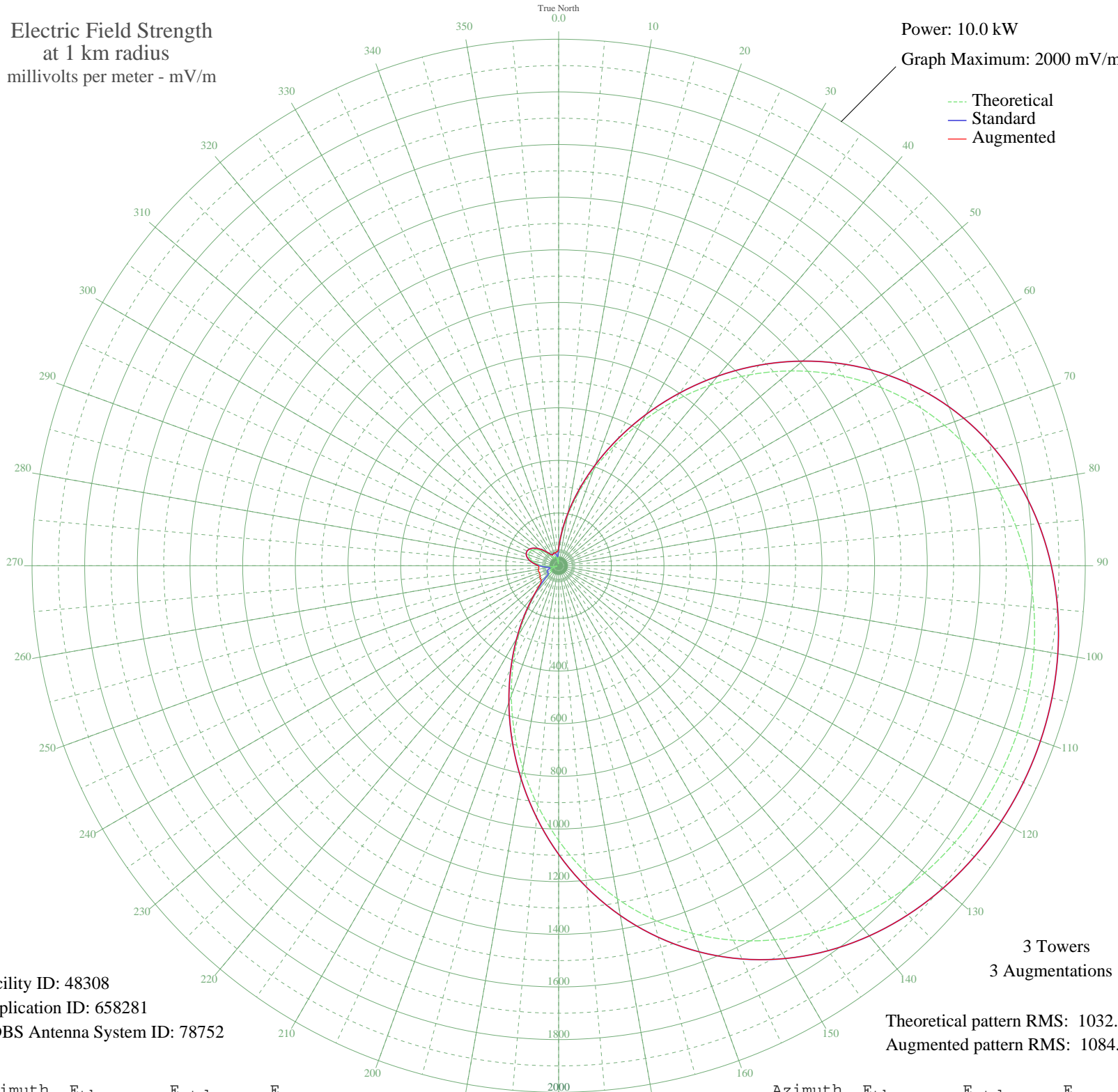


WRNI PROVIDENCE, RI BL-20030401CKB 1290 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 48308  
Application ID: 658281  
CDBS Antenna System ID: 78752

3 Towers  
3 Augmentations  
Theoretical pattern RMS: 1032.00  
Augmented pattern RMS: 1084.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	53.98	65.69	69.22
5	113.77	123.99	123.99
10	190.09	202.33	202.33
15	282.02	297.98	297.98
20	387.89	408.64	408.64
25	505.29	531.60	531.60
30	631.21	663.61	663.61
35	762.26	801.06	801.06
40	894.88	940.21	940.21
45	1025.62	1077.41	1077.41
50	1151.30	1209.32	1209.32
55	1269.26	1333.14	1333.14
60	1377.41	1446.67	1446.67
65	1474.33	1548.40	1548.40
70	1559.24	1637.53	1637.53
75	1631.95	1713.86	1713.86
80	1692.76	1777.71	1777.71
85	1742.36	1829.78	1829.78
90	1781.63	1871.01	1871.01
95	1811.57	1902.43	1902.43
100	1833.12	1925.06	1925.06
105	1847.12	1939.76	1939.76
110	1854.16	1947.15	1947.15
115	1854.56	1947.57	1947.57
120	1848.36	1941.06	1941.06
125	1835.26	1927.31	1927.31
130	1814.70	1905.72	1905.72
135	1785.89	1875.48	1875.48
140	1747.90	1835.60	1835.60
145	1699.74	1785.03	1785.03
150	1640.49	1722.83	1722.83
155	1569.45	1648.26	1648.26
160	1486.28	1560.95	1560.95
165	1391.09	1461.02	1461.02
170	1284.58	1349.22	1349.22
175	1168.11	1226.96	1226.96

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1043.68	1096.36	1096.36
185	913.90	960.17	960.17
190	781.91	821.68	821.68
195	651.15	684.51	684.51
200	525.20	552.46	552.46
205	407.54	429.21	429.21
210	301.33	318.13	318.13
215	209.23	222.19	222.21
220	133.43	143.98	147.01
225	75.98	86.41	100.89
230	40.67	54.10	85.75
235	32.05	47.28	85.19
240	34.89	49.44	81.74
245	32.78	47.82	78.15
250	22.90	41.00	77.37
255	7.58	34.15	79.26
260	16.35	37.38	78.30
265	39.19	52.87	75.00
270	62.32	73.38	78.40
275	83.51	93.76	93.76
280	101.09	111.21	111.21
285	113.82	124.04	124.04
290	120.89	131.20	131.20
295	121.87	132.20	132.20
300	116.81	127.07	127.07
305	106.18	116.33	116.33
310	90.97	101.12	101.12
315	72.73	83.27	83.27
320	53.90	65.62	65.62
325	38.50	52.32	52.32
330	32.16	47.36	47.36
335	34.77	49.35	49.35
340	37.70	51.66	51.66
345	33.92	48.70	49.66
350	19.66	39.10	52.88
355	11.89	35.48	53.91