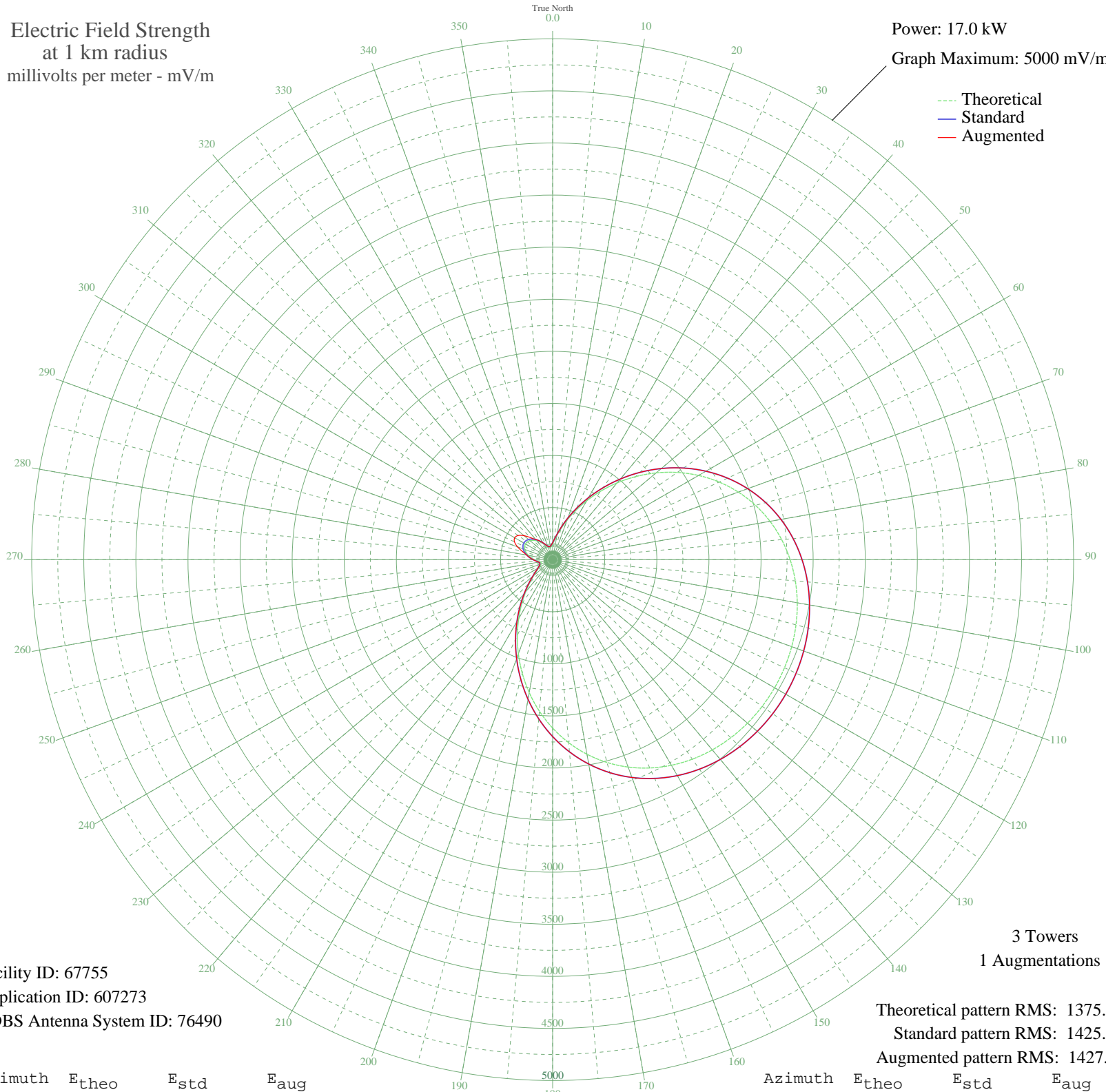


WTRI BRUNSWICK, MD BL-20020627AAY 1520 kHz

Daytime

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

Power: 17.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 67755  
Application ID: 607273  
CDBS Antenna System ID: 76490

3 Towers  
1 Augmentations

Theoretical pattern RMS: 1375.78  
Standard pattern RMS: 1425.82  
Augmented pattern RMS: 1427.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	150.50	163.98	163.98
5	184.09	198.19	198.19
10	234.90	250.50	250.50
15	306.86	325.16	325.16
20	401.26	423.59	423.59
25	517.05	544.67	544.67
30	651.61	685.59	685.59
35	801.25	842.45	842.45
40	961.61	1010.64	1010.64
45	1127.97	1185.18	1185.18
50	1295.55	1361.04	1361.04
55	1459.85	1533.47	1533.47
60	1616.85	1698.26	1698.26
65	1763.27	1851.95	1851.95
70	1896.64	1991.95	1991.95
75	2015.35	2116.57	2116.57
80	2118.62	2224.99	2224.99
85	2206.41	2317.14	2317.14
90	2279.21	2393.57	2393.57
95	2337.96	2455.25	2455.25
100	2383.80	2503.37	2503.37
105	2417.91	2539.18	2539.18
110	2441.38	2563.83	2563.83
115	2455.09	2578.22	2578.22
120	2459.60	2582.95	2582.95
125	2455.09	2578.22	2578.22
130	2441.38	2563.83	2563.83
135	2417.91	2539.18	2539.18
140	2383.80	2503.37	2503.37
145	2337.96	2455.25	2455.25
150	2279.21	2393.57	2393.57
155	2206.41	2317.14	2317.14
160	2118.62	2224.99	2224.99
165	2015.35	2116.57	2116.57
170	1896.64	1991.95	1991.95
175	1763.27	1851.96	1851.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1616.85	1698.26	1698.26
185	1459.85	1533.47	1533.47
190	1295.55	1361.04	1361.04
195	1127.97	1185.18	1185.18
200	961.61	1010.64	1010.64
205	801.25	842.45	842.45
210	651.61	685.59	685.59
215	517.05	544.67	544.67
220	401.26	423.59	423.59
225	306.86	325.16	325.16
230	234.90	250.50	250.50
235	184.09	198.19	198.19
240	150.50	163.98	163.98
245	129.02	142.37	142.37
250	116.57	130.00	130.00
255	113.96	127.42	127.42
260	123.54	136.90	136.90
265	144.73	158.15	158.15
270	173.59	187.45	187.45
275	205.42	220.09	220.09
280	236.28	251.93	251.93
285	263.16	279.77	298.76
290	283.87	301.26	358.14
295	296.88	314.79	403.88
300	301.32	319.40	420.75
305	296.88	314.79	403.88
310	283.87	301.26	358.14
315	263.16	279.77	298.76
320	236.28	251.93	251.93
325	205.42	220.09	220.09
330	173.59	187.45	187.45
335	144.73	158.15	158.15
340	123.54	136.90	136.90
345	113.96	127.42	127.42
350	116.57	130.00	130.00
355	129.02	142.37	142.37

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission