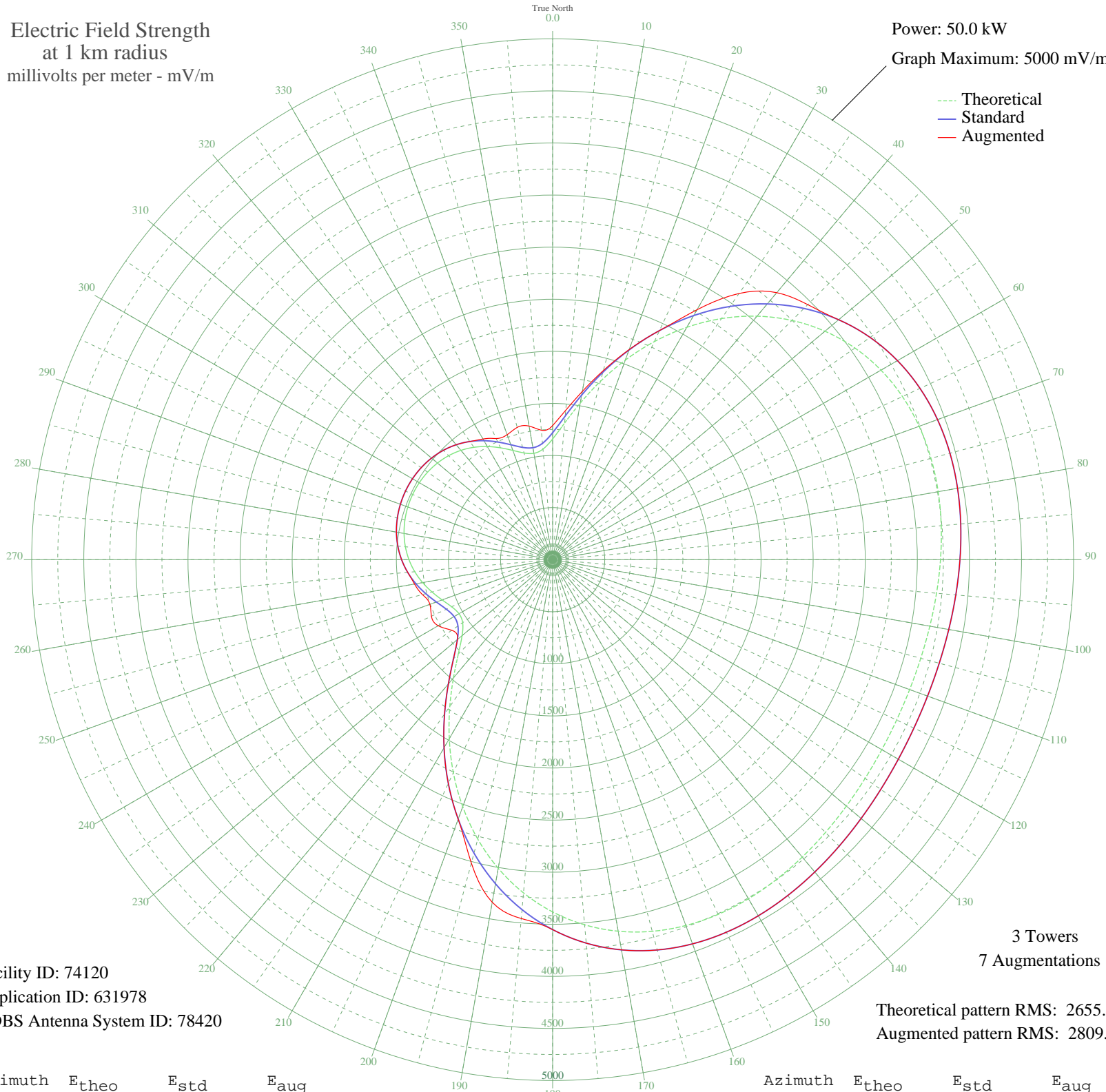


WFED WASHINGTON, DC BL-20030221ACN 1500 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 74120  
Application ID: 631978  
CDBS Antenna System ID: 78420

3 Towers  
7 Augmentations

Theoretical pattern RMS: 2655.40  
Augmented pattern RMS: 2809.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1158.61	1218.80	1287.48
5	1316.40	1384.21	1439.57
10	1526.41	1604.45	1639.80
15	1772.32	1862.41	1879.12
20	2038.16	2141.35	2145.79
25	2309.87	2426.50	2426.53
30	2575.49	2705.28	2769.86
35	2825.15	2967.33	3119.42
40	3051.10	3204.51	3345.83
45	3247.76	3410.96	3462.40
50	3411.75	3583.11	3583.11
55	3541.80	3719.63	3719.63
60	3638.59	3821.25	3821.25
65	3704.48	3890.41	3890.41
70	3743.11	3930.97	3930.97
75	3759.08	3947.73	3947.73
80	3757.48	3946.05	3946.05
85	3743.54	3931.41	3931.41
90	3722.32	3909.14	3909.14
95	3698.42	3884.05	3884.05
100	3675.79	3860.30	3860.30
105	3657.61	3841.21	3841.21
110	3646.15	3829.18	3829.18
115	3642.76	3825.62	3825.62
120	3647.83	3830.94	3830.94
125	3660.77	3844.53	3844.53
130	3680.05	3864.77	3864.77
135	3703.21	3889.08	3889.08
140	3726.91	3913.96	3913.96
145	3747.06	3935.12	3935.12
150	3758.95	3947.60	3947.60
155	3757.46	3946.03	3946.03
160	3737.36	3924.93	3924.93
165	3693.61	3879.01	3879.01
170	3621.80	3803.62	3803.62
175	3518.50	3695.17	3695.17

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3381.66	3551.51	3551.51
185	3210.96	3372.33	3457.97
190	3008.10	3159.38	3339.39
195	2776.89	2916.68	3015.29
200	2523.35	2650.56	2650.56
205	2255.66	2369.61	2369.61
210	1984.10	2084.63	2084.63
215	1721.05	1808.63	1808.63
220	1481.01	1556.83	1556.83
225	1280.17	1346.23	1346.23
230	1134.53	1193.57	1193.57
235	1054.48	1109.69	1181.81
240	1037.94	1092.36	1268.58
245	1069.61	1125.54	1283.74
250	1129.00	1187.78	1253.93
255	1198.68	1260.81	1294.48
260	1267.18	1332.61	1346.24
265	1328.19	1396.57	1396.57
270	1378.94	1449.79	1449.79
275	1418.80	1491.59	1491.59
280	1448.21	1522.43	1522.43
285	1468.06	1543.25	1543.25
290	1479.26	1554.99	1554.99
295	1482.40	1558.29	1558.29
300	1477.68	1553.34	1553.34
305	1464.81	1539.84	1539.84
310	1443.12	1517.09	1517.09
315	1411.69	1484.13	1484.13
320	1369.67	1440.06	1440.06
325	1316.76	1384.58	1384.78
330	1253.94	1318.73	1337.57
335	1184.56	1246.00	1282.65
340	1115.83	1173.97	1276.64
345	1060.41	1115.90	1314.58
350	1036.76	1091.12	1301.95
355	1065.13	1120.84	1247.60