

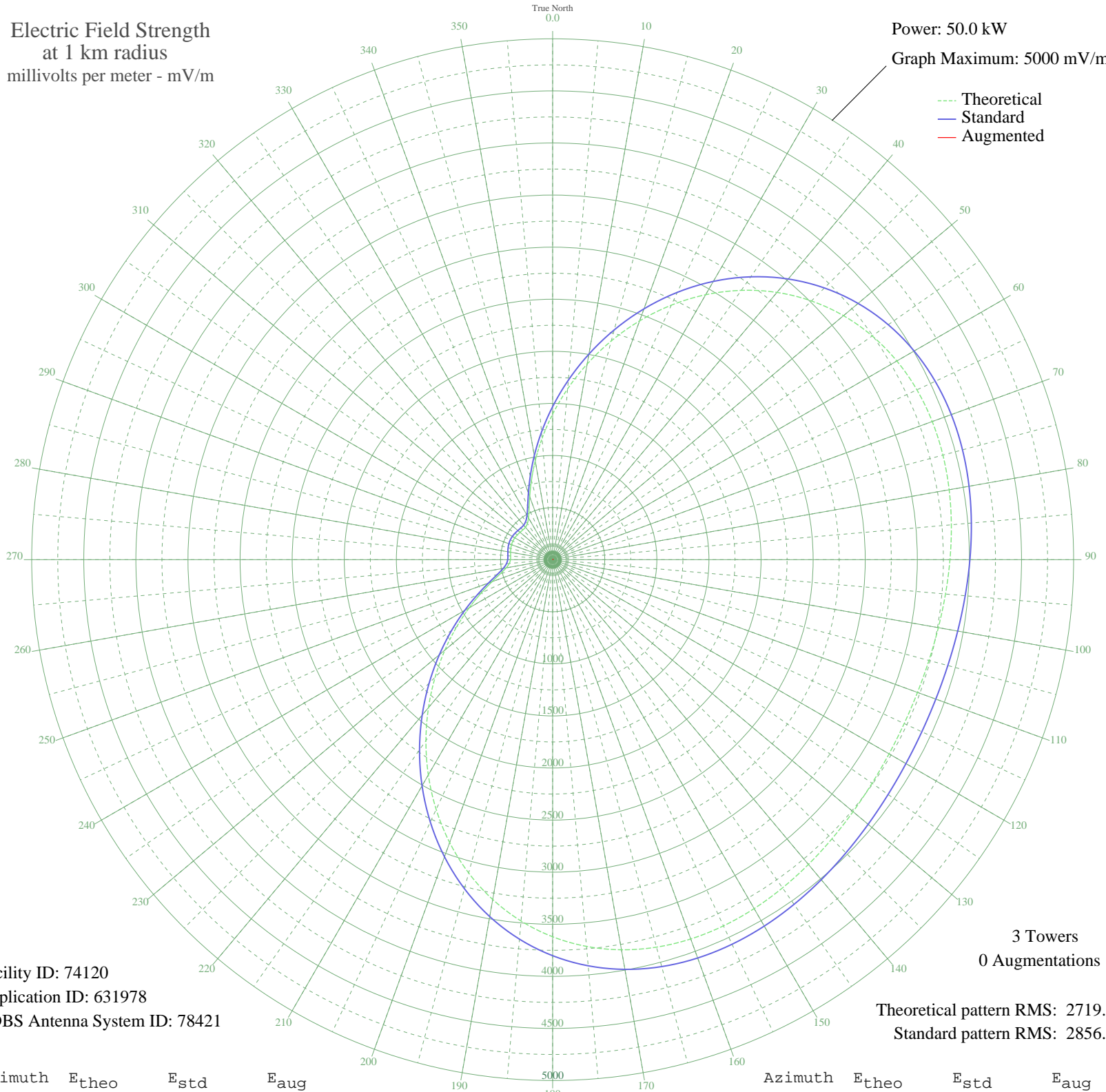
WFED WASHINGTON, DC BL-20030221ACN 1500 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 74120  
Application ID: 631978  
CDBS Antenna System ID: 78421

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 2719.36  
Standard pattern RMS: 2856.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1397.48	1469.23	
5	1645.81	1729.70	
10	1906.85	2003.57	
15	2173.70	2283.59	
20	2439.07	2562.10	
25	2695.68	2831.43	
30	2936.66	3084.39	
35	3156.01	3314.65	
40	3348.94	3517.17	
45	3512.13	3688.49	
50	3643.91	3826.82	
55	3744.21	3932.12	
60	3814.51	4005.92	
65	3857.58	4051.14	
70	3877.20	4071.74	
75	3877.80	4072.37	
80	3864.18	4058.07	
85	3841.15	4033.89	
90	3813.28	4004.64	
95	3784.72	3974.65	
100	3758.97	3947.62	
105	3738.84	3926.49	
110	3726.35	3913.37	
115	3722.68	3909.52	
120	3728.17	3915.28	
125	3742.31	3930.13	
130	3763.75	3952.63	
135	3790.31	3980.52	
140	3819.04	4010.68	
145	3846.28	4039.28	
150	3867.81	4061.88	
155	3878.97	4073.60	
160	3874.95	4069.37	
165	3850.98	4044.21	
170	3802.73	3993.56	
175	3726.62	3913.65	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3620.09	3801.82	
185	3481.98	3656.83	
190	3312.65	3479.08	
195	3114.13	3270.68	
200	2890.02	3035.43	
205	2645.40	2778.66	
210	2386.47	2506.89	
215	2120.22	2227.47	
220	1853.95	1948.07	
225	1594.92	1676.31	
230	1349.91	1419.35	
235	1125.01	1183.59	
240	925.50	974.61	
245	755.81	797.06	
250	619.48	654.67	
255	518.69	549.66	
260	452.99	481.40	
265	417.81	444.94	
270	404.75	431.42	
275	404.52	431.19	
280	409.73	436.58	
285	415.71	442.76	
290	419.91	447.11	
295	421.20	448.45	
300	419.28	446.46	
305	414.60	441.61	
310	408.52	435.32	
315	403.93	430.58	
320	406.05	432.77	
325	422.77	450.08	
330	463.48	492.28	
335	535.97	567.64	
340	643.94	680.20	
345	787.18	829.86	
350	963.15	1014.03	
355	1168.12	1228.77	

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