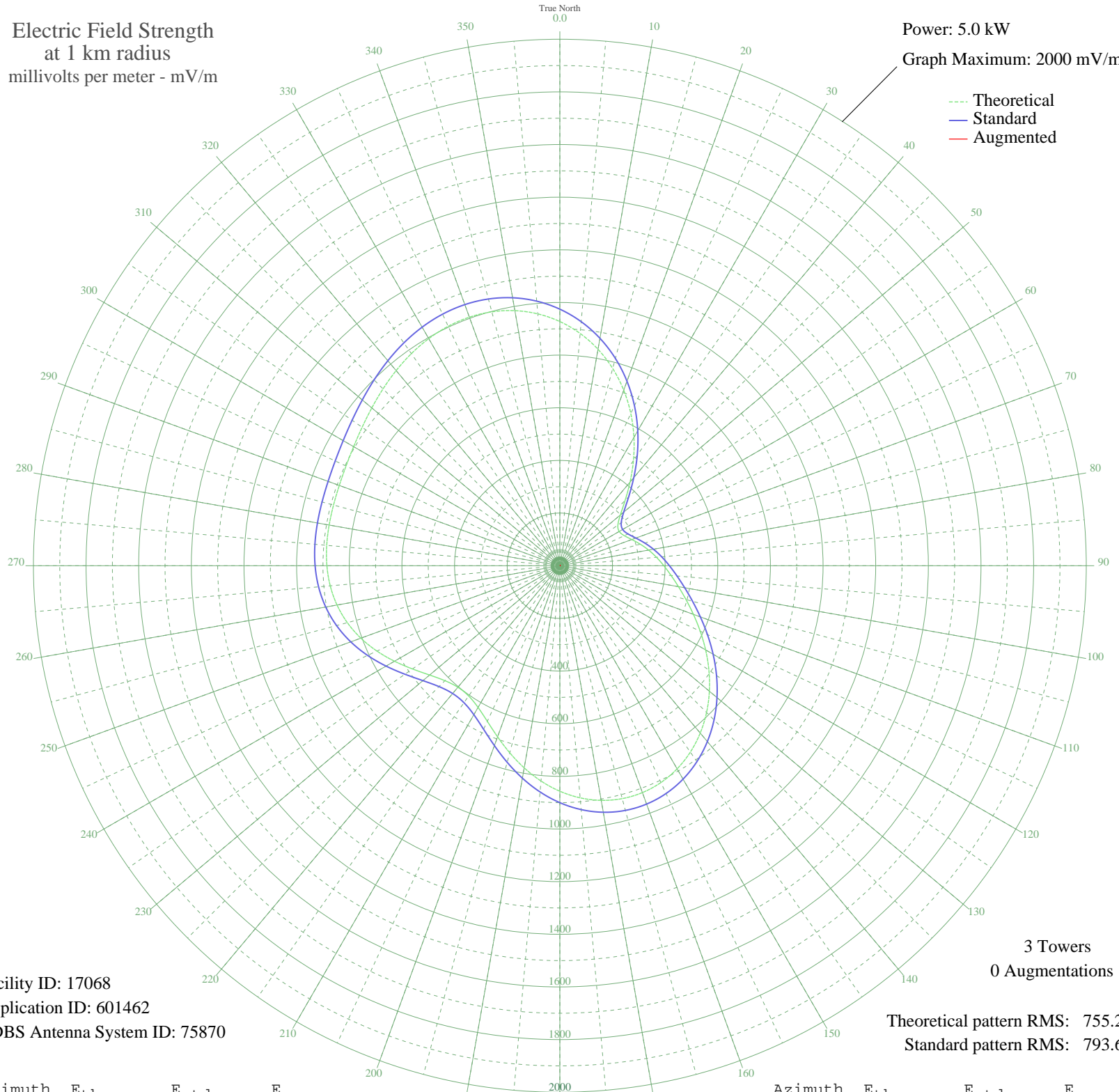


WXRL LANCASTER, NY BL-20020418ABT 1300 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 17068
Application ID: 601462
CDBS Antenna System ID: 75870

3 Towers
0 Augmentations

Theoretical pattern RMS: 755.21
Standard pattern RMS: 793.69

Azimuth	E _{theo}	E _{std}	E _{aug}
0	927.67	974.64	
5	885.72	930.62	
10	834.87	877.27	
15	775.80	815.29	
20	709.62	745.87	
25	637.92	670.67	
30	562.86	591.97	
35	487.29	512.76	
40	414.91	436.96	
45	350.53	369.60	
50	300.01	316.82	
55	269.15	284.62	
60	260.39	275.49	
65	270.11	285.62	
70	290.92	307.33	
75	316.26	333.78	
80	342.44	361.15	
85	368.48	388.38	
90	395.19	416.32	
95	424.29	446.79	
100	457.56	481.62	
105	496.10	522.00	
110	540.02	568.03	
115	588.39	618.73	
120	639.51	672.33	
125	691.31	726.66	
130	741.60	779.42	
135	788.35	828.46	
140	829.76	871.90	
145	864.34	908.19	
150	890.94	936.10	
155	908.71	954.74	
160	917.10	963.55	
165	915.88	962.26	
170	905.08	950.93	
175	885.08	929.94	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	856.62	900.09	
185	820.92	862.63	
190	779.75	819.43	
195	735.56	773.08	
200	691.65	727.02	
205	652.07	685.51	
210	621.42	653.36	
215	604.00	635.10	
220	602.62	633.65	
225	617.46	649.21	
230	645.93	679.06	
235	683.57	718.54	
240	725.40	762.42	
245	766.89	805.94	
250	804.48	845.38	
255	835.79	878.22	
260	859.57	903.18	
265	875.69	920.10	
270	884.99	929.85	
275	889.07	934.13	
280	890.03	935.14	
285	890.20	935.32	
290	891.72	936.91	
295	896.24	941.66	
300	904.66	950.50	
305	917.03	963.48	
310	932.60	979.82	
315	950.03	998.11	
320	967.63	1016.57	
325	983.57	1033.30	
330	996.10	1046.45	
335	1003.63	1054.36	
340	1004.81	1055.59	
345	998.51	1048.98	
350	983.90	1033.65	
355	960.39	1008.97	

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