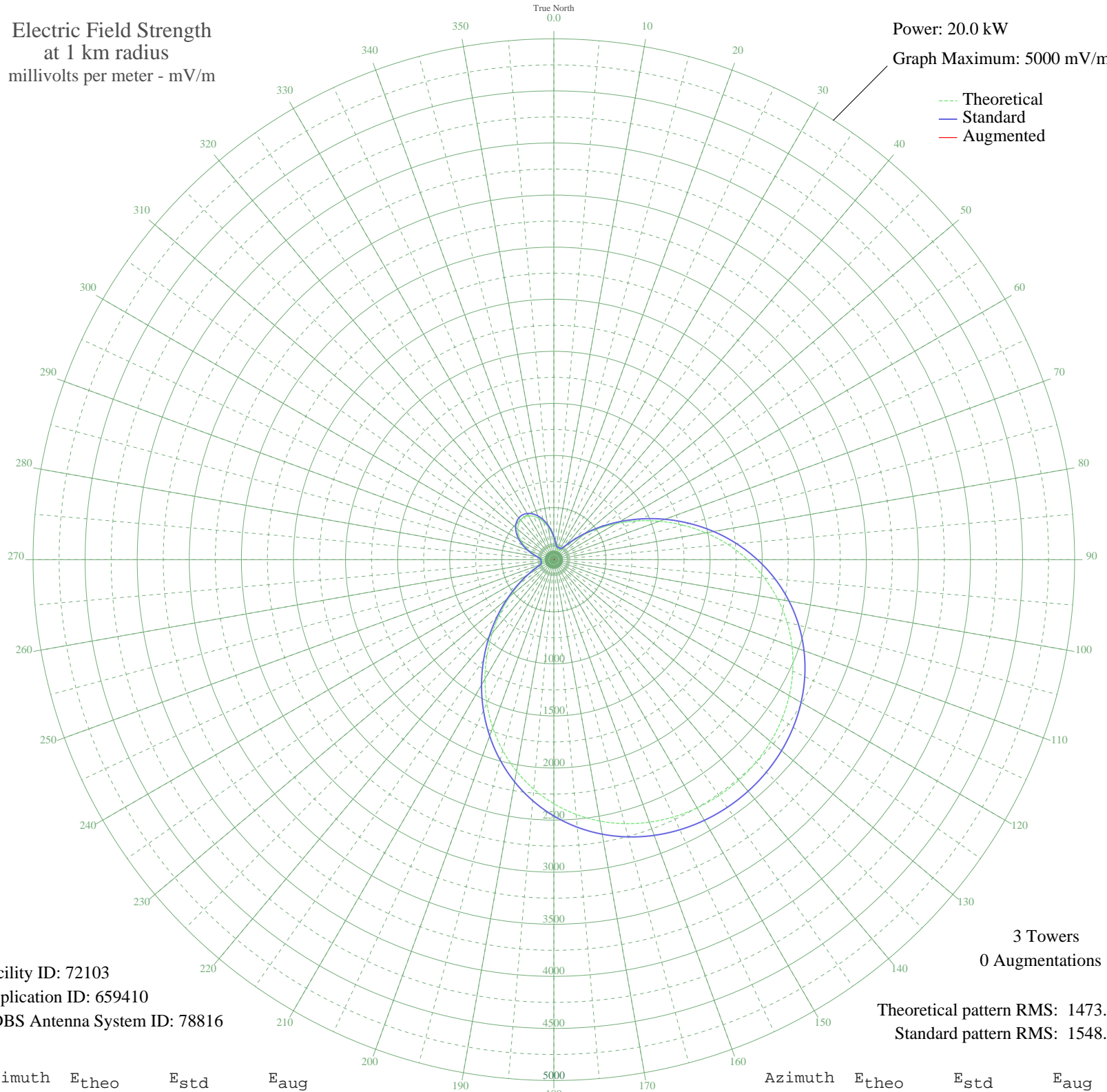


WGH NEWPORT NEWS, VA BL-20030417ACK 1310 kHz

Daytime

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

Power: 20.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 72103
Application ID: 659410
CDBS Antenna System ID: 78816

3 Towers
0 Augmentations

Theoretical pattern RMS: 1473.84
Standard pattern RMS: 1548.42

Azimuth	E _{theo}	E _{std}	E _{aug}
0	205.83	222.39	
5	156.37	172.36	
10	121.84	138.27	
15	106.84	123.85	
20	105.33	122.41	
25	105.83	122.88	
30	105.29	122.37	
35	117.17	133.75	
40	163.80	179.82	
45	250.96	268.68	
50	372.33	394.45	
55	521.50	550.08	
60	692.77	729.29	
65	880.39	925.90	
70	1078.44	1133.58	
75	1280.94	1346.01	
80	1482.17	1557.16	
85	1676.94	1761.57	
90	1860.86	1954.61	
95	2030.49	2132.66	
100	2183.36	2293.13	
105	2318.00	2434.47	
110	2433.82	2556.05	
115	2530.90	2657.96	
120	2609.85	2740.85	
125	2671.57	2805.64	
130	2717.06	2853.39	
135	2747.25	2885.08	
140	2762.84	2901.46	
145	2764.25	2902.94	
150	2751.51	2889.57	
155	2724.29	2860.99	
160	2681.93	2816.52	
165	2623.54	2755.22	
170	2548.12	2676.04	
175	2454.72	2577.99	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2342.68	2460.37	
185	2211.78	2322.96	
190	2062.46	2166.22	
195	1896.03	1991.52	
200	1714.72	1801.22	
205	1521.79	1598.74	
210	1321.46	1388.53	
215	1118.77	1175.88	
220	919.36	966.75	
225	729.17	767.42	
230	554.17	584.24	
235	400.13	423.40	
240	272.72	291.12	
245	178.14	194.27	
250	123.20	139.59	
255	105.92	122.97	
260	105.64	122.71	
265	105.55	122.62	
270	105.85	122.90	
275	117.29	133.86	
280	148.02	164.04	
285	195.11	211.48	
290	251.04	268.76	
295	309.22	328.90	
300	364.66	386.47	
305	413.53	437.37	
310	452.96	478.49	
315	480.85	507.61	
320	495.84	523.27	
325	497.22	524.71	
330	484.92	511.86	
335	459.51	485.33	
340	422.25	446.45	
345	375.06	397.29	
350	320.67	340.76	
355	262.67	280.75	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission