

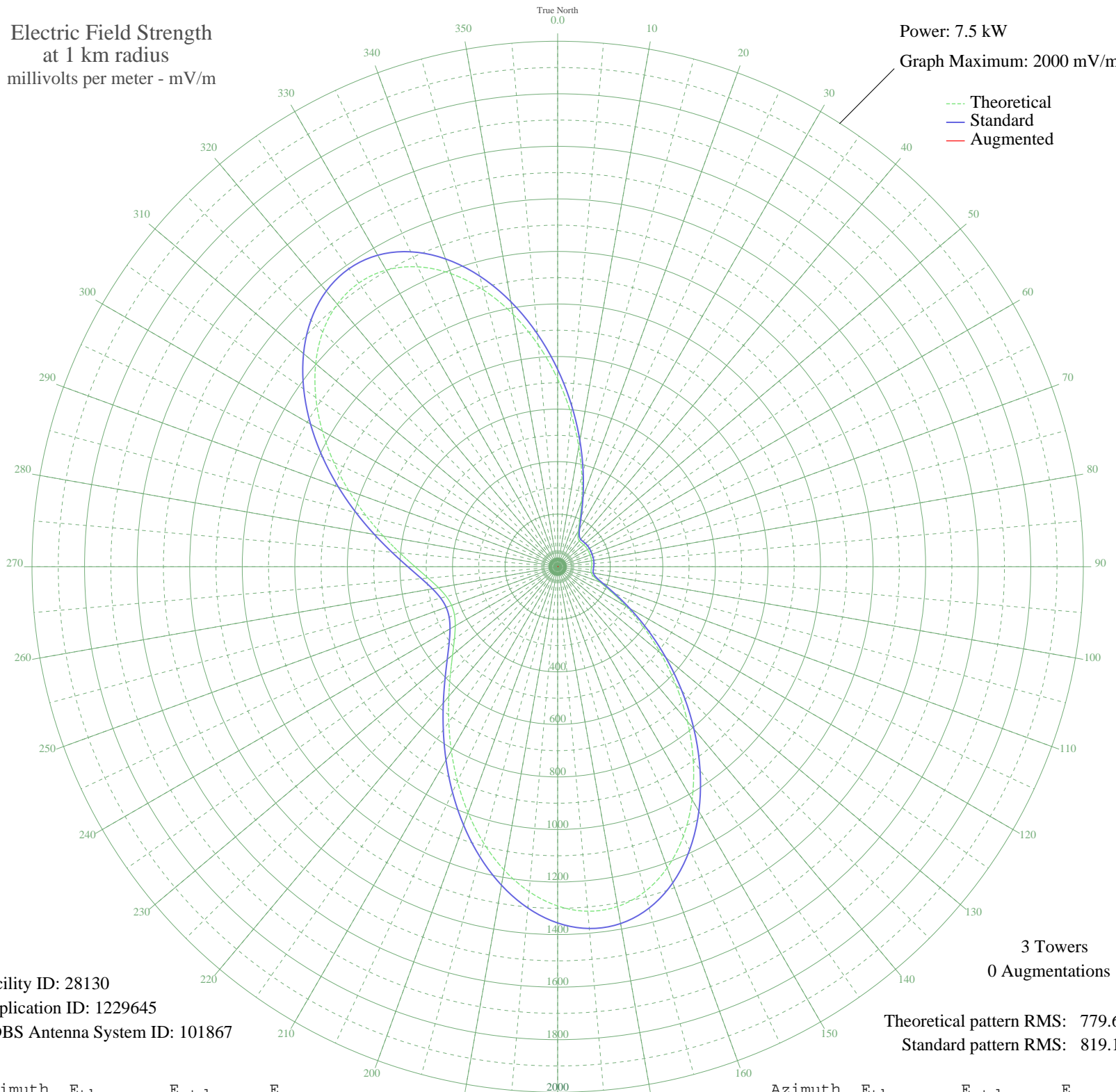
WCHR FLEMINGTON, NJ BL-20080111AGM 1040 kHz

Critical Hours

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

Power: 7.5 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 28130
Application ID: 1229645
CDBS Antenna System ID: 101867

3 Towers
0 Augmentations

Theoretical pattern RMS: 779.60
Standard pattern RMS: 819.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	715.03	751.07	
5	584.90	614.50	
10	463.54	487.16	
15	356.36	374.76	
20	267.68	281.84	
25	200.71	211.78	
30	157.16	166.34	
35	135.25	143.54	
40	128.31	136.33	
45	128.23	136.25	
50	129.77	137.85	
55	130.88	139.00	
60	131.28	139.41	
65	131.29	139.43	
70	131.27	139.40	
75	131.30	139.44	
80	131.19	139.32	
85	130.53	138.64	
90	129.14	137.20	
95	127.85	135.86	
100	129.84	137.92	
105	141.75	150.30	
110	171.78	181.57	
115	224.74	236.90	
120	300.70	316.43	
125	397.23	417.62	
130	510.66	536.60	
135	636.24	668.38	
140	768.12	806.79	
145	899.49	944.70	
150	1023.09	1074.44	
155	1131.76	1188.53	
160	1219.22	1280.35	
165	1280.64	1344.83	
170	1313.16	1378.98	
175	1316.14	1382.11	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1291.10	1355.81	
185	1241.44	1303.68	
190	1171.98	1230.76	
195	1088.35	1142.96	
200	996.38	1046.40	
205	901.59	946.90	
210	808.84	849.54	
215	722.03	758.42	
220	644.08	676.61	
225	576.98	606.19	
230	521.92	548.41	
235	479.50	503.91	
240	449.95	472.91	
245	433.27	455.41	
250	429.43	451.38	
255	438.40	460.79	
260	460.22	483.69	
265	494.93	520.10	
270	542.45	569.96	
275	602.43	632.90	
280	674.05	708.06	
285	755.83	793.90	
290	845.43	887.94	
295	939.52	986.71	
300	1033.80	1085.69	
305	1123.13	1179.47	
310	1201.79	1262.06	
315	1263.97	1327.34	
320	1304.30	1369.67	
325	1318.44	1384.52	
330	1303.71	1369.06	
335	1259.43	1322.56	
340	1187.13	1246.66	
345	1090.51	1145.23	
350	975.05	1024.01	
355	847.46	890.08	

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 Aug 2020

Prepared by Audio Division, Media Bureau
Federal Communications Commission