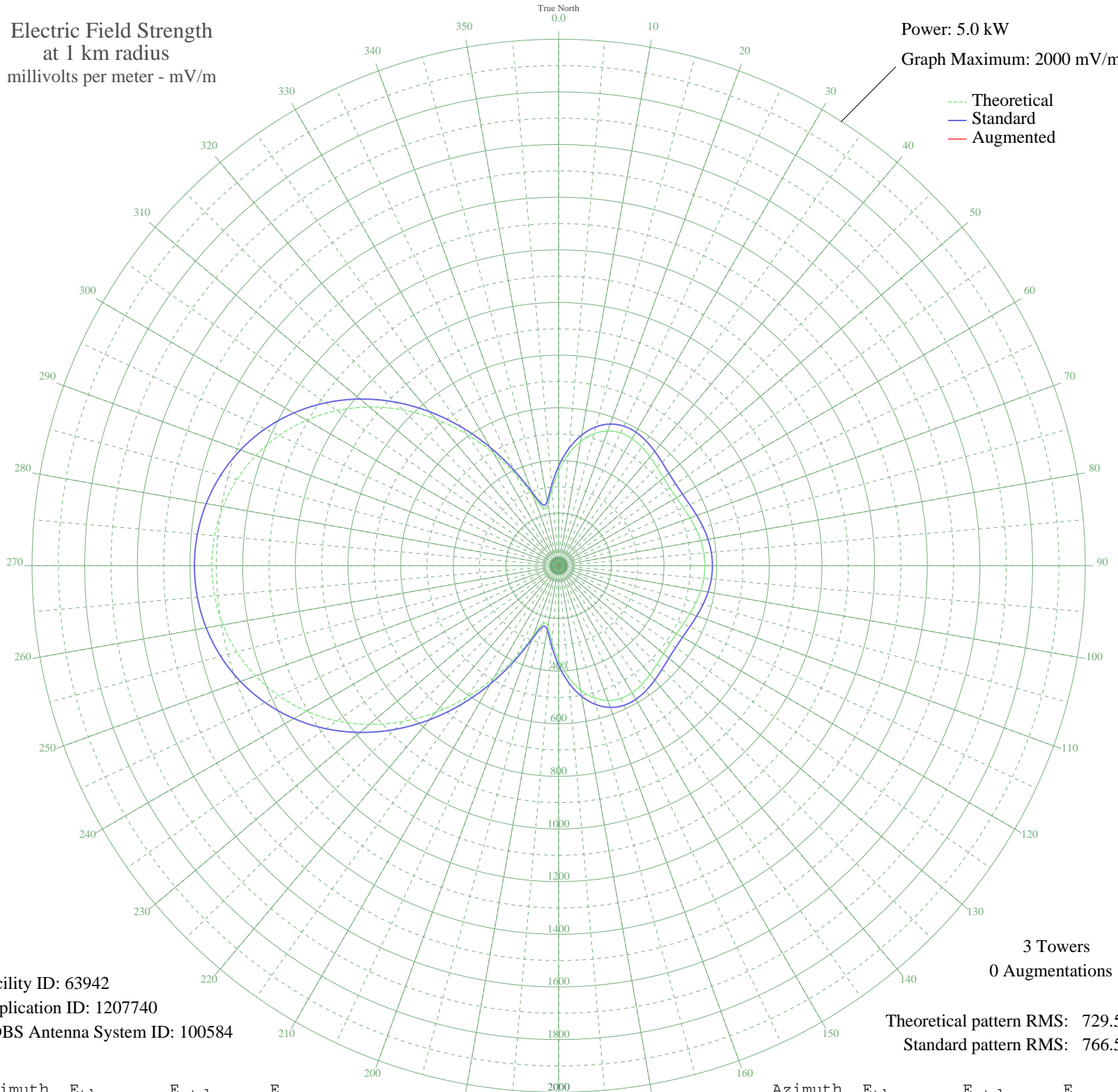


# WGNY NEWBURGH, NY BL-20070918ACU 1220 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 63942  
Application ID: 1207740  
CDBS Antenna System ID: 100584

3 Towers  
0 Augmentations

Theoretical pattern RMS: 729.53  
Standard pattern RMS: 766.59

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	359.01	378.14	
5	424.69	446.93	
10	479.08	503.92	
15	519.19	545.97	
20	544.60	572.61	
25	556.54	585.13	
30	557.43	586.07	
35	550.57	578.87	
40	539.65	567.42	
45	528.32	555.54	
50	519.65	546.46	
55	515.60	542.21	
60	516.74	543.40	
65	522.32	549.25	
70	530.72	558.05	
75	539.92	567.70	
80	548.02	576.20	
85	553.51	581.95	
90	555.45	583.99	
95	553.51	581.95	
100	548.02	576.20	
105	539.92	567.70	
110	530.72	558.05	
115	522.32	549.25	
120	516.74	543.40	
125	515.60	542.21	
130	519.65	546.46	
135	528.32	555.54	
140	539.65	567.42	
145	550.57	578.87	
150	557.43	586.07	
155	556.54	585.13	
160	544.60	572.61	
165	519.19	545.97	
170	479.08	503.92	
175	424.69	446.93	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	359.01	378.14	
185	289.74	305.69	
190	234.99	248.54	
195	227.23	240.45	
200	282.79	298.43	
205	379.17	399.24	
210	492.80	518.30	
215	611.11	642.36	
220	727.25	764.20	
225	837.04	879.40	
230	937.71	985.05	
235	1027.53	1079.32	
240	1105.48	1161.14	
245	1171.10	1230.02	
250	1224.30	1285.86	
255	1265.24	1328.83	
260	1294.19	1359.23	
265	1311.43	1377.32	
270	1317.15	1383.33	
275	1311.43	1377.32	
280	1294.19	1359.23	
285	1265.24	1328.83	
290	1224.30	1285.86	
295	1171.10	1230.02	
300	1105.48	1161.14	
305	1027.53	1079.32	
310	937.71	985.05	
315	837.03	879.39	
320	727.25	764.20	
325	611.10	642.36	
330	492.80	518.30	
335	379.16	399.24	
340	282.79	298.42	
345	227.23	240.45	
350	234.99	248.54	
355	289.74	305.69	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission