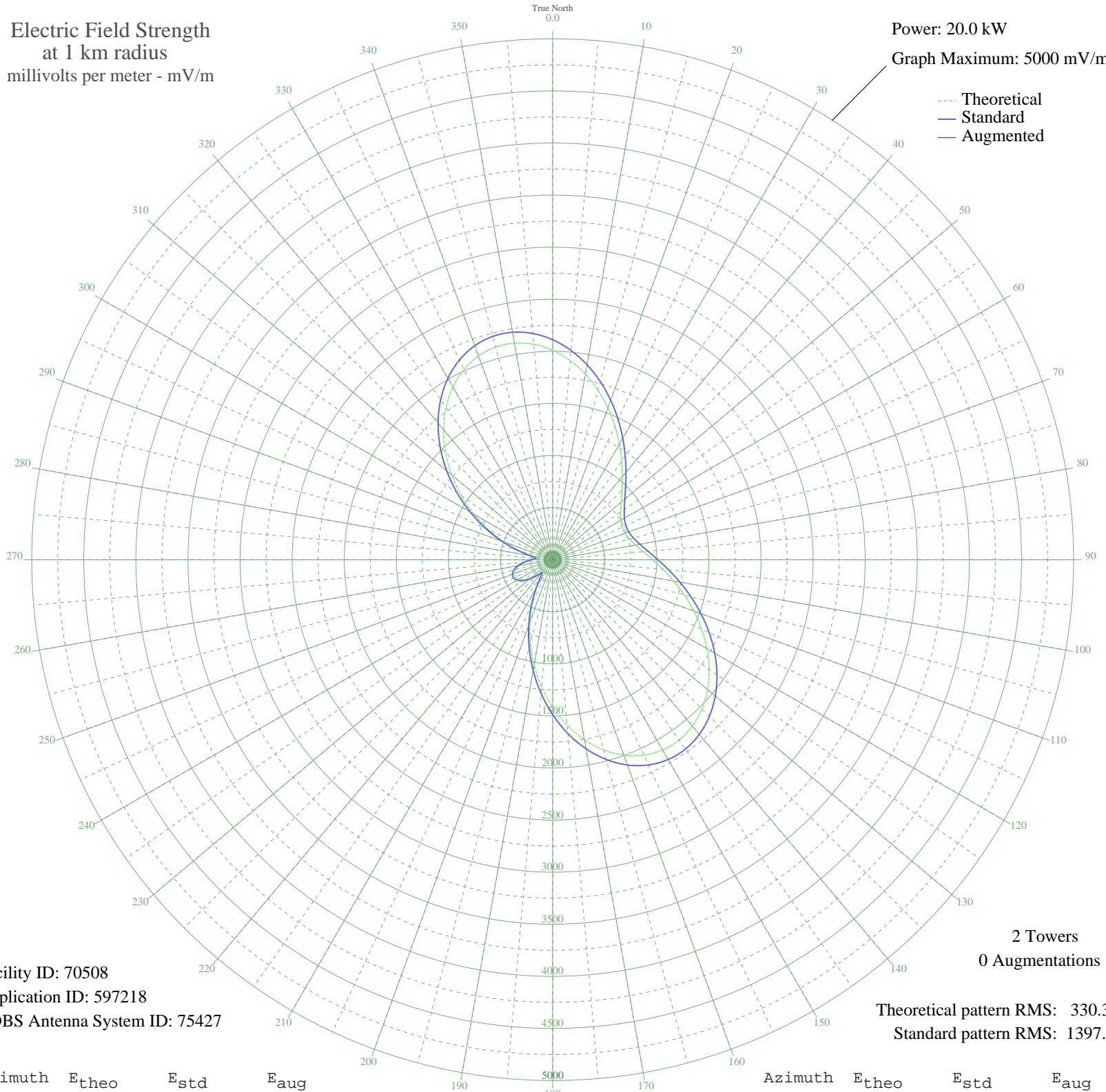


WEEU READING, PA BL-20020301AHA 830 kHz

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: 70508
Application ID: 597218
CDBS Antenna System ID: 75427

2 Towers
0 Augmentations

Theoretical pattern RMS: 330.31
Standard pattern RMS: 1397.62

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2010.22	2111.25	
5	1919.71	2016.24	
10	1809.05	1900.08	
15	1684.00	1768.82	
20	1550.50	1628.71	
25	1414.36	1485.82	
30	1280.95	1345.81	
35	1155.08	1213.75	
40	1040.87	1093.92	
45	941.65	989.85	
50	860.04	904.26	
55	797.95	839.17	
60	756.67	795.89	
65	736.96	775.23	
70	739.15	777.53	
75	763.22	802.75	
80	808.74	850.47	
85	874.85	919.80	
90	960.16	1009.26	
95	1062.60	1116.72	
100	1179.44	1239.31	
105	1307.17	1373.33	
110	1441.53	1514.34	
115	1577.59	1657.14	
120	1709.87	1795.98	
125	1832.52	1924.72	
130	1939.60	2037.12	
135	2025.43	2127.22	
140	2084.91	2189.66	
145	2113.91	2220.10	
150	2109.53	2215.50	
155	2070.39	2174.42	
160	1996.74	2097.10	
165	1890.46	1985.54	
170	1754.95	1843.30	
175	1594.87	1675.27	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1415.86	1487.40	
185	1224.16	1286.22	
190	1026.23	1078.56	
195	828.52	871.21	
200	637.28	670.79	
205	458.93	484.16	
210	301.66	320.21	
215	183.24	198.05	
220	149.27	163.62	
225	202.03	217.27	
230	272.46	289.91	
235	331.62	351.35	
240	372.09	393.51	
245	391.59	413.85	
250	389.42	411.58	
255	365.63	386.77	
260	321.16	340.47	
265	258.85	275.82	
270	188.34	203.25	
275	147.12	161.46	
280	202.09	217.33	
285	330.85	350.55	
290	493.23	520.01	
295	674.71	710.00	
300	867.74	912.33	
305	1066.00	1120.29	
310	1263.20	1327.19	
315	1452.89	1526.25	
320	1628.59	1710.67	
325	1784.18	1873.98	
330	1914.19	2010.45	
335	2014.16	2115.39	
340	2081.01	2185.56	
345	2113.16	2219.32	
350	2110.71	2216.74	
355	2075.34	2179.61	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission