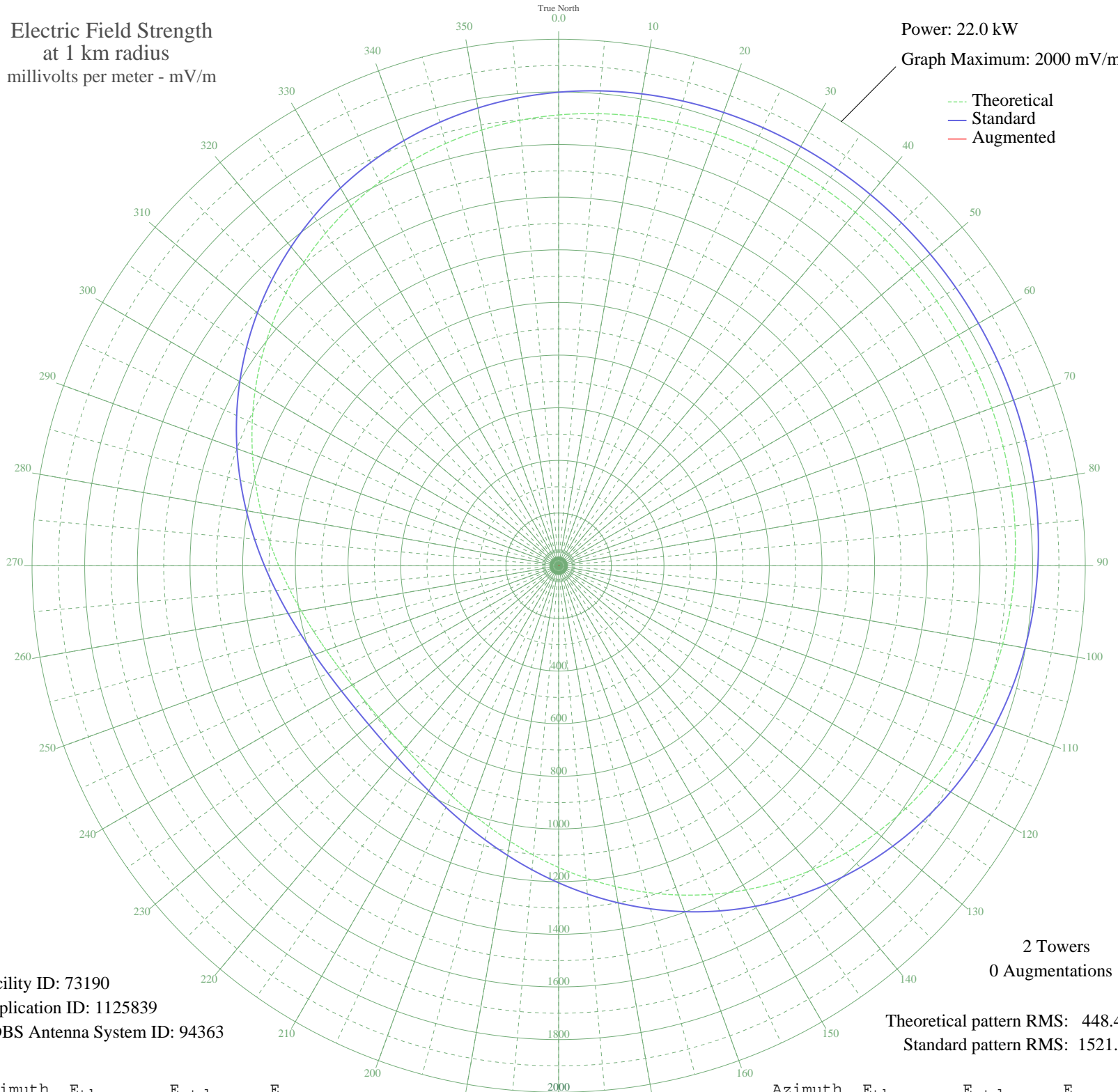


WKCW WARRENTON, VA BL-20060302ADG 1420 kHz

Daytime

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

Power: 22.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 73190
Application ID: 1125839
CDBS Antenna System ID: 94363

2 Towers
0 Augmentations

Theoretical pattern RMS: 448.41
Standard pattern RMS: 1521.63

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1712.43	1798.72	
5	1723.84	1810.71	
10	1732.76	1820.06	
15	1739.52	1827.16	
20	1744.49	1832.37	
25	1748.00	1836.06	
30	1750.37	1838.55	
35	1751.91	1840.16	
40	1752.82	1841.12	
45	1753.30	1841.63	
50	1753.45	1841.78	
55	1753.30	1841.63	
60	1752.82	1841.12	
65	1751.91	1840.16	
70	1750.37	1838.55	
75	1748.00	1836.06	
80	1744.49	1832.37	
85	1739.52	1827.16	
90	1732.76	1820.06	
95	1723.84	1810.71	
100	1712.43	1798.72	
105	1698.19	1783.78	
110	1680.86	1765.59	
115	1660.21	1743.92	
120	1636.10	1718.61	
125	1608.46	1689.60	
130	1577.32	1656.92	
135	1542.82	1620.71	
140	1505.18	1581.21	
145	1464.73	1538.75	
150	1421.87	1493.78	
155	1377.12	1446.81	
160	1331.03	1398.45	
165	1284.23	1349.34	
170	1237.37	1300.17	
175	1191.13	1251.66	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1146.20	1204.52	
185	1103.24	1159.45	
190	1062.91	1117.14	
195	1025.79	1078.21	
200	992.45	1043.24	
205	963.38	1012.75	
210	939.00	987.18	
215	919.67	966.91	
220	905.66	952.22	
225	897.18	943.32	
230	894.34	940.35	
235	897.18	943.32	
240	905.66	952.22	
245	919.67	966.91	
250	939.00	987.18	
255	963.38	1012.75	
260	992.45	1043.24	
265	1025.79	1078.21	
270	1062.91	1117.14	
275	1103.24	1159.45	
280	1146.20	1204.52	
285	1191.13	1251.66	
290	1237.37	1300.17	
295	1284.23	1349.34	
300	1331.03	1398.45	
305	1377.12	1446.81	
310	1421.87	1493.78	
315	1464.73	1538.75	
320	1505.18	1581.21	
325	1542.82	1620.71	
330	1577.32	1656.92	
335	1608.46	1689.60	
340	1636.10	1718.61	
345	1660.21	1743.92	
350	1680.86	1765.59	
355	1698.19	1783.78	

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