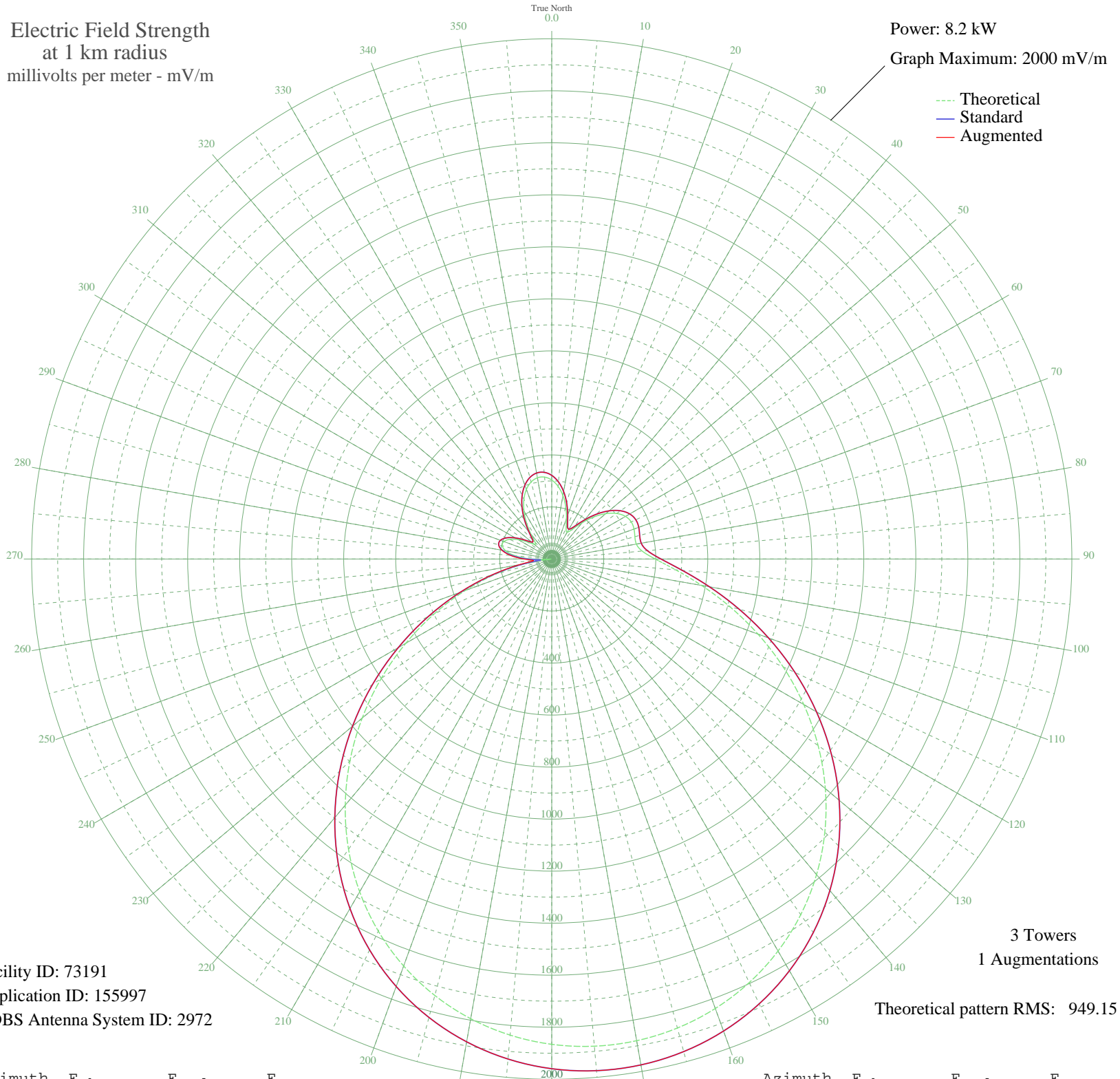


# WKTR EARLYSVILLE, VA BL-19910107AA 840 kHz

Daytime

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

Power: 8.2 kW  
Graph Maximum: 2000 mV/m



Facility ID: 73191  
Application ID: 155997  
CDBS Antenna System ID: 2972

3 Towers  
1 Augmentations  
Theoretical pattern RMS: 949.15

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	303.56	321.52	321.52
5	280.23	297.26	297.26
10	247.46	263.24	263.24
15	207.72	222.16	222.16
20	165.66	179.00	179.00
25	130.61	143.49	143.49
30	119.06	131.95	131.95
35	140.50	153.45	153.45
40	182.09	195.80	195.80
45	228.58	243.69	243.69
50	271.23	287.90	287.90
55	305.10	323.12	323.12
60	327.40	346.35	346.35
65	337.34	356.71	356.71
70	336.70	356.04	356.04
75	330.97	350.07	350.07
80	330.47	349.55	349.55
85	349.08	368.96	368.96
90	397.88	419.90	419.90
95	478.58	504.28	504.28
100	585.19	615.89	615.89
105	709.48	746.15	746.15
110	843.90	887.10	887.10
115	982.15	1032.12	1032.12
120	1119.07	1175.78	1175.78
125	1250.53	1313.74	1313.74
130	1373.32	1442.61	1442.61
135	1485.06	1559.88	1559.88
140	1584.08	1663.81	1663.81
145	1669.35	1753.32	1753.32
150	1740.33	1827.83	1827.83
155	1796.85	1887.16	1887.16
160	1838.94	1931.35	1931.35
165	1866.77	1960.56	1960.56
170	1880.48	1974.95	1974.95
175	1880.17	1974.63	1974.63

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1865.85	1959.59	1959.59
185	1837.38	1929.71	1929.71
190	1794.57	1884.77	1884.77
195	1737.21	1824.56	1824.56
200	1665.14	1748.91	1748.91
205	1578.39	1657.84	1657.84
210	1477.25	1551.69	1551.69
215	1362.46	1431.21	1431.21
220	1235.25	1297.70	1297.70
225	1097.45	1153.09	1153.09
230	951.50	999.97	999.97
235	800.46	841.55	841.55
240	647.90	681.60	681.60
245	497.75	524.34	524.40
250	354.14	374.24	375.19
255	221.10	235.97	239.71
260	102.37	115.49	126.77
265	1.43	42.25	70.00
270	80.39	94.38	107.90
275	140.64	153.59	159.27
280	179.32	192.96	194.81
285	197.16	211.28	211.43
290	195.95	210.04	210.04
295	178.57	192.19	192.19
300	149.19	162.24	162.24
305	114.44	127.36	127.36
310	87.55	101.16	101.16
315	90.31	103.80	103.80
320	123.78	136.65	136.65
325	168.65	182.05	182.05
330	213.57	228.19	228.19
335	253.27	269.27	269.27
340	284.84	302.05	302.05
345	306.45	324.53	324.53
350	317.02	335.54	335.54
355	316.04	334.51	334.51

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission