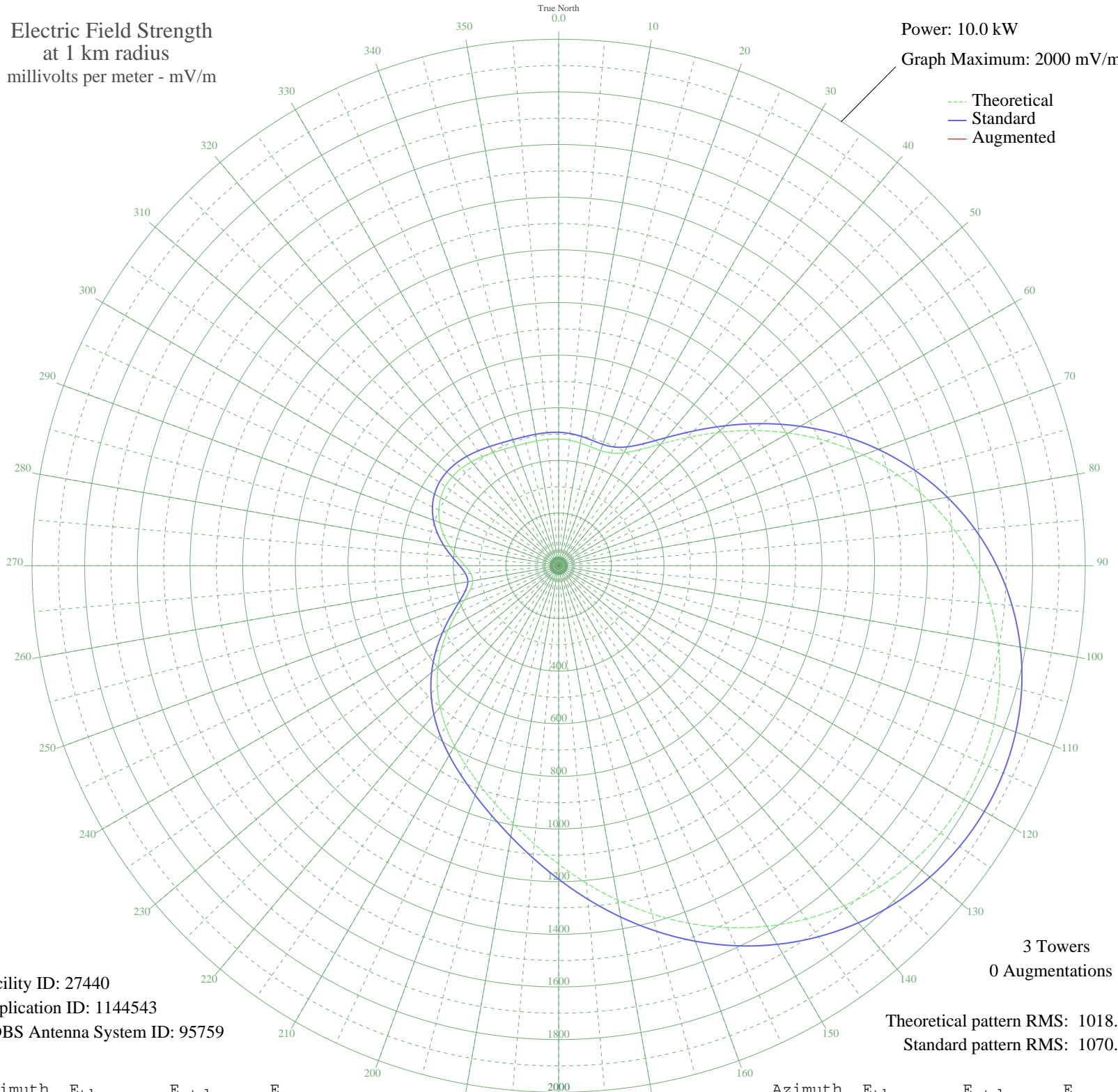


WGGM CHESTER, VA BL-20060725AFI 820 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 27440
Application ID: 1144543
CDBS Antenna System ID: 95759

3 Towers
0 Augmentations

Theoretical pattern RMS: 1018.50
Standard pattern RMS: 1070.20

Azimuth	E _{theo}	E _{std}	E _{aug}
0	481.12	506.82	
5	478.38	503.96	
10	473.39	498.73	
15	467.81	492.90	
20	465.52	490.50	
25	472.41	497.71	
30	495.10	521.46	
35	538.45	566.84	
40	603.61	635.10	
45	688.04	723.60	
50	787.09	827.45	
55	895.48	941.14	
60	1008.24	1059.45	
65	1121.04	1177.80	
70	1230.27	1292.43	
75	1333.07	1400.32	
80	1427.29	1499.21	
85	1511.39	1587.49	
90	1584.40	1664.12	
95	1645.77	1728.55	
100	1695.31	1780.55	
105	1733.05	1820.16	
110	1759.16	1847.57	
115	1773.89	1863.04	
120	1777.51	1866.83	
125	1770.26	1859.23	
130	1752.39	1840.47	
135	1724.15	1810.82	
140	1685.86	1770.63	
145	1637.98	1720.36	
150	1581.18	1660.74	
155	1516.42	1592.77	
160	1445.06	1517.86	
165	1368.82	1437.84	
170	1289.84	1354.95	
175	1210.52	1271.71	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1133.39	1190.76	
185	1060.76	1114.55	
190	994.38	1044.90	
195	935.07	982.67	
200	882.49	927.52	
205	835.19	877.90	
210	790.85	831.40	
215	746.91	785.32	
220	701.04	737.23	
225	651.68	685.48	
230	598.32	629.57	
235	541.73	570.28	
240	484.04	509.88	
245	428.83	452.12	
250	381.14	402.28	
255	346.94	366.58	
260	331.32	350.28	
265	335.58	354.72	
270	356.02	376.05	
275	386.18	407.55	
280	419.79	442.67	
285	452.16	476.52	
290	480.19	505.86	
295	502.10	528.79	
300	517.07	544.46	
305	525.04	552.81	
310	526.60	554.44	
315	522.86	550.52	
320	515.36	542.67	
325	505.95	532.82	
330	496.53	522.96	
335	488.74	514.81	
340	483.64	509.46	
345	481.38	507.10	
350	481.20	506.92	
355	481.66	507.39	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission