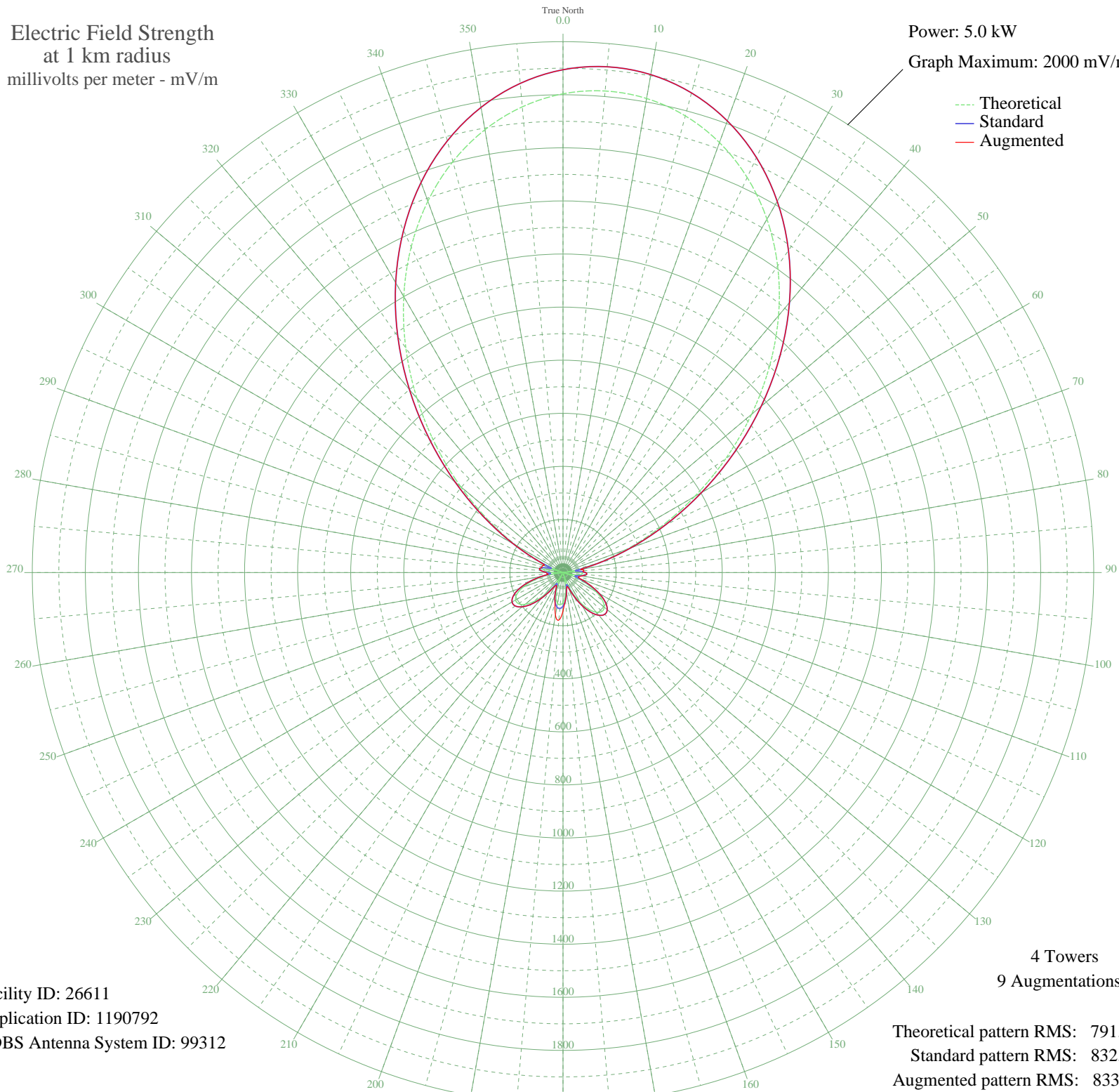


WFNN ERIE, PA BL-20070607AEX 1330 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 26611
Application ID: 1190792
CDBS Antenna System ID: 99312

4 Towers
9 Augmentations

Theoretical pattern RMS: 791.80
Standard pattern RMS: 832.70
Augmented pattern RMS: 833.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1803.59	1894.32	1894.32
5	1821.08	1912.68	1912.68
10	1813.58	1904.81	1904.81
15	1781.12	1870.74	1870.74
20	1723.89	1810.66	1810.66
25	1642.29	1725.01	1725.01
30	1537.20	1614.71	1614.71
35	1410.15	1481.37	1481.37
40	1263.62	1327.59	1327.59
45	1101.18	1157.14	1157.14
50	927.64	975.10	975.10
55	749.03	787.81	787.81
60	572.33	602.68	602.68
65	405.08	427.79	427.79
70	254.78	271.41	271.41
75	128.17	142.16	142.16
80	30.46	55.86	66.94
85	35.30	58.91	77.77
90	68.67	85.42	85.42
95	71.95	88.34	88.34
100	49.96	69.63	72.35
105	9.47	46.86	61.16
110	41.58	63.27	70.92
115	95.01	109.77	112.64
120	143.34	157.32	157.32
125	180.53	195.01	195.01
130	202.51	217.51	217.51
135	207.34	222.47	222.47
140	195.22	210.03	210.03
145	168.10	182.35	182.35
150	129.33	143.31	143.31
155	83.06	98.50	98.92
160	33.80	57.93	63.64
165	14.03	48.10	55.71
170	56.44	74.89	76.08
175	90.08	105.09	105.09

Azimuth	E _{theo}	E _{std}	E _{aug}
180	112.45	126.64	144.72
185	121.93	135.97	179.83
190	117.85	131.94	163.41
195	100.49	115.03	116.53
200	71.11	87.58	87.58
205	31.85	56.70	57.58
210	14.26	48.18	57.79
215	63.46	80.85	84.71
220	111.47	125.68	125.68
225	153.77	167.83	167.83
230	186.01	200.61	200.61
235	204.45	219.51	219.51
240	206.53	221.64	221.64
245	191.31	206.03	206.03
250	159.83	173.96	173.96
255	115.33	129.46	129.46
260	63.11	80.55	80.55
265	10.15	47.02	56.76
270	35.55	59.08	63.44
275	65.84	82.93	82.93
280	73.38	89.63	89.63
285	52.47	71.64	82.23
290	0.24	45.79	78.00
295	85.40	100.68	101.71
300	200.97	215.93	215.93
305	342.53	362.56	362.56
310	503.87	531.04	531.04
315	677.70	713.06	713.06
320	856.43	900.42	900.42
325	1032.78	1085.39	1085.39
330	1200.31	1261.16	1261.16
335	1353.70	1422.13	1422.13
340	1488.90	1564.02	1564.02
345	1603.00	1683.78	1683.78
350	1694.13	1779.43	1779.43
355	1761.19	1849.81	1849.81

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission