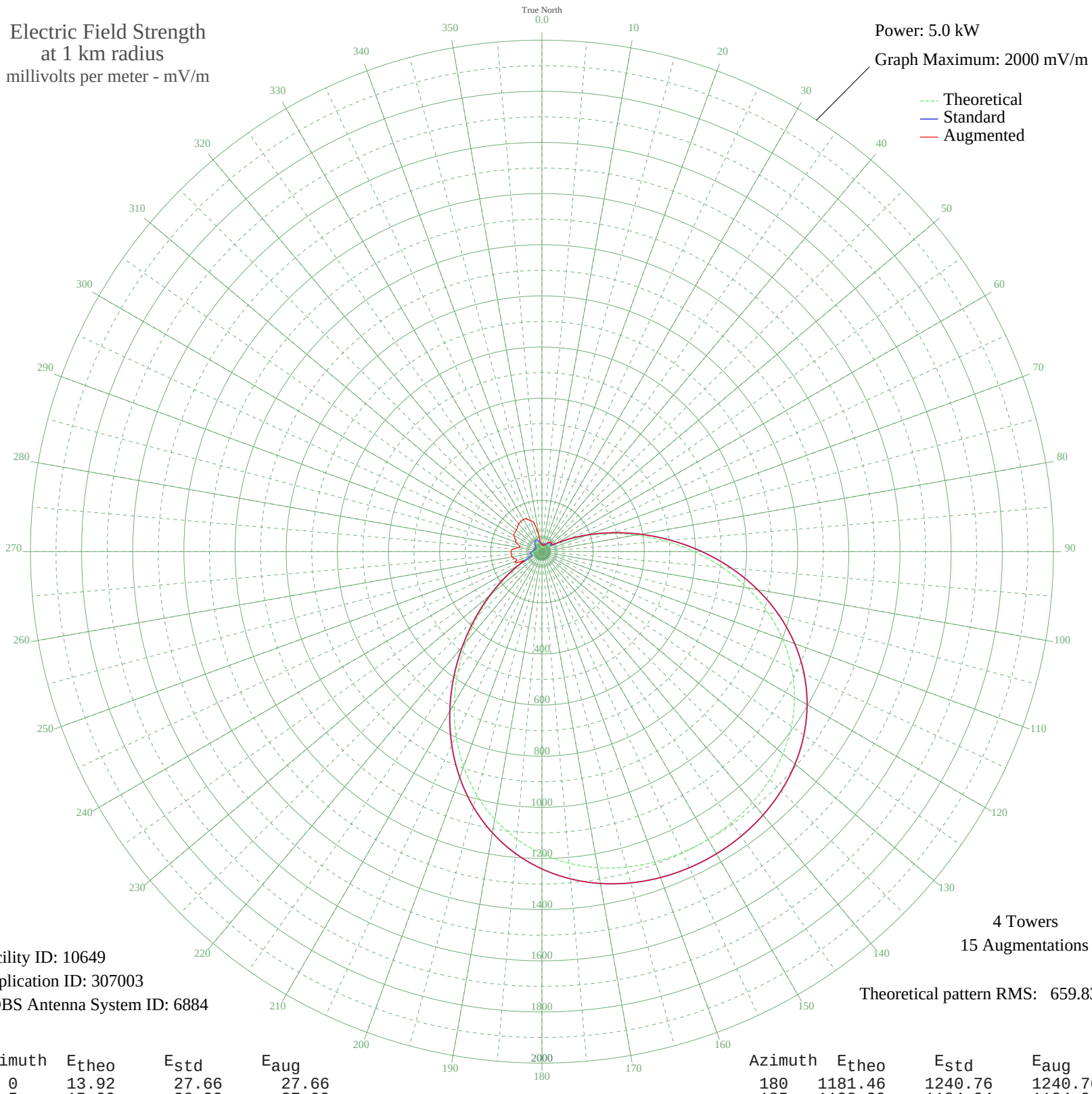
WINA CHARLOTTESVILLE, VA BL-- 1070 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
15 Augmentations

Facility ID: 10649
Application ID: 307003
CDBS Antenna System ID: 6884

Theoretical pattern RMS: 659.83

Azimuth	E_{theo}	E_{std}	E_{aug}
0	13.92	27.66	27.66
5	15.09	28.32	27.03
10	17.78	30.00	24.20
15	19.07	30.86	24.90
20	18.79	30.67	25.68
25	19.35	31.05	27.85
30	23.67	34.19	36.20
35	30.83	39.99	43.47
40	37.05	45.44	48.71
45	38.66	46.89	51.68
50	34.09	42.81	49.84
55	32.10	41.08	47.81
60	57.19	64.48	66.47
65	109.59	117.44	117.48
70	182.06	192.60	192.60
75	270.89	285.40	285.40
80	372.37	391.69	391.69
85	482.18	506.83	506.83
90	595.59	625.81	625.81
95	707.95	743.72	743.72
100	815.11	856.19	856.19
105	913.71	959.68	959.68
110	1001.41	1051.75	1051.75
115	1076.93	1131.02	1131.02
120	1139.89	1197.11	1197.11
125	1190.69	1250.45	1250.45
130	1230.25	1291.98	1291.98
135	1259.76	1322.95	1322.95
140	1280.43	1344.66	1344.66
145	1293.34	1358.21	1358.21
150	1299.28	1364.44	1364.44
155	1298.62	1363.76	1363.76
160	1291.34	1356.11	1356.11
165	1276.95	1341.00	1341.00
170	1254.60	1317.54	1317.54
175	1223.18	1284.56	1284.56
180	1181.46	1240.76	1240.76
185	1128.29	1184.94	1184.94
190	1062.83	1116.22	1116.22
195	984.82	1034.33	1034.33
200	894.80	939.83	939.83
205	794.27	834.31	834.31
210	685.78	720.45	720.45
215	572.85	601.95	601.95
220	459.77	483.33	483.33
225	351.26	369.57	369.57
230	251.98	265.62	265.62
235	166.15	176.03	176.03
240	97.36	104.89	104.89
245	49.64	57.16	93.42
250	31.04	40.17	107.97
255	35.37	43.94	107.69
260	38.84	47.06	118.92
265	36.07	44.56	120.00
270	29.34	38.74	120.47
275	22.49	33.30	113.61
280	19.00	30.81	91.37
285	18.89	30.74	93.19
290	18.97	30.79	108.98
295	17.31	29.69	114.73
300	14.59	28.03	127.17
305	14.25	27.84	129.21
310	19.02	30.83	131.29
315	26.53	36.43	134.57
320	33.92	42.66	141.82
325	39.52	47.68	144.07
330	42.38	50.31	144.78
335	42.05	50.01	141.28
340	38.60	46.84	128.00
345	32.55	41.46	112.38
350	24.97	35.19	50.51
355	17.74	29.97	29.97

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