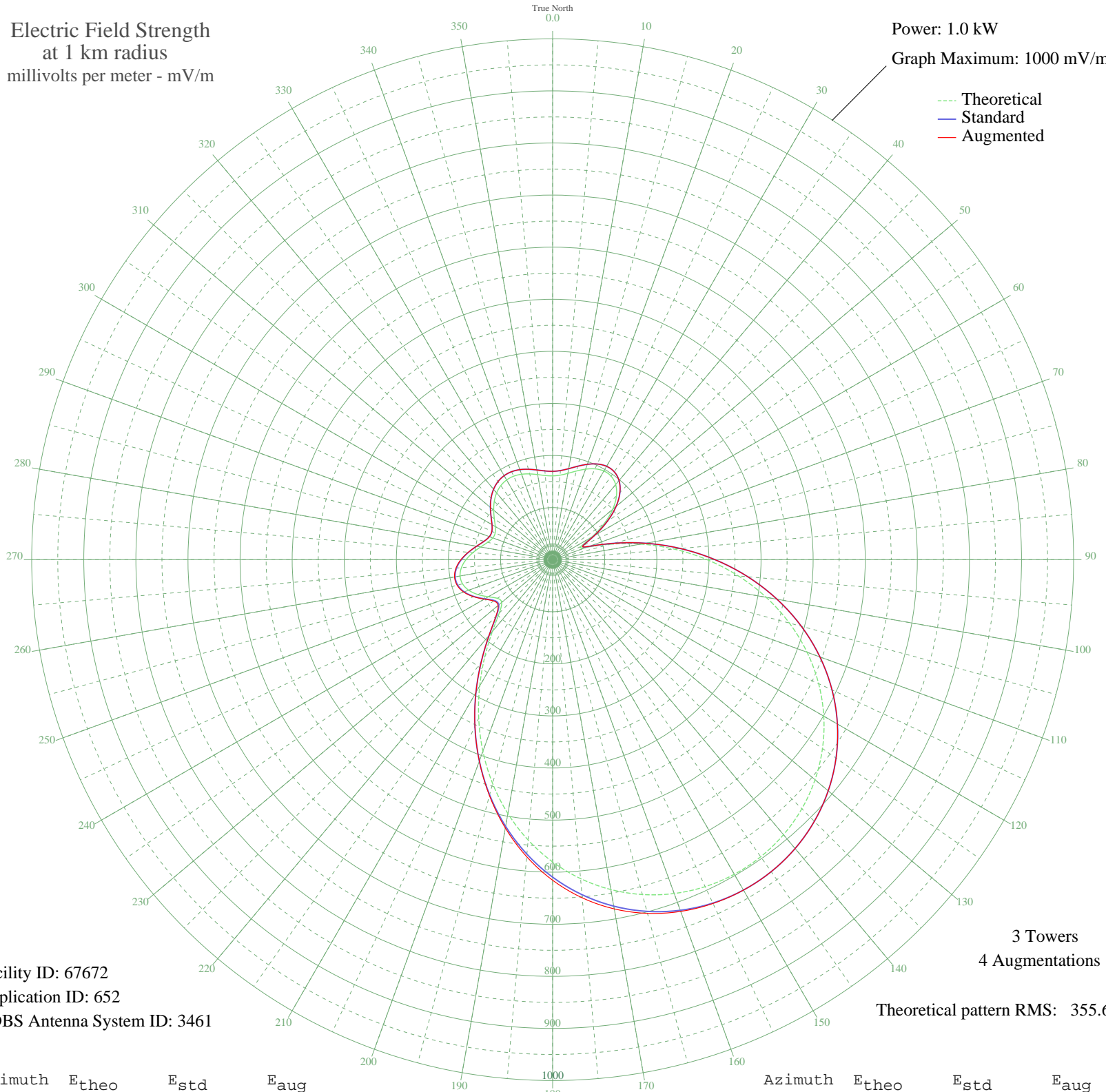


WJCW JOHNSON CITY, TN BL-14476 910 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 67672
Application ID: 652
CDBS Antenna System ID: 3461

3 Towers
4 Augmentations

Theoretical pattern RMS: 355.67

Azimuth	E _{theo}	E _{std}	E _{aug}
0	160.86	169.65	169.65
5	162.86	171.74	171.74
10	168.27	177.40	177.40
15	176.17	185.66	185.66
20	184.88	194.78	194.78
25	192.36	202.60	202.60
30	196.56	206.99	206.99
35	195.65	206.05	206.05
40	188.21	198.26	198.26
45	173.29	182.65	182.65
50	150.58	158.90	158.91
55	120.75	127.78	127.79
60	86.69	92.40	92.42
65	59.73	64.69	64.72
70	69.57	74.75	74.78
75	114.54	121.31	121.33
80	172.03	181.33	181.33
85	233.79	246.00	246.00
90	296.42	311.65	311.65
95	357.76	375.98	375.98
100	416.19	437.29	437.29
105	470.49	494.27	494.27
110	519.74	545.96	545.96
115	563.34	591.72	591.72
120	600.91	631.16	631.16
125	632.29	664.09	664.09
130	657.43	690.49	690.49
135	676.42	710.42	710.42
140	689.35	723.99	723.99
145	696.33	731.32	731.32
150	697.44	732.48	732.55
155	692.70	727.51	728.37
160	682.10	716.39	718.67
165	665.60	699.06	703.02
170	643.14	675.48	680.86
175	614.69	645.63	651.75

Azimuth	E _{theo}	E _{std}	E _{aug}
180	580.34	609.57	615.52
185	540.29	567.52	572.39
190	494.95	519.94	523.09
195	445.03	467.55	468.88
200	391.53	411.42	411.55
205	335.90	353.05	353.05
210	280.10	294.53	294.53
215	226.82	238.69	238.73
220	179.93	189.60	190.04
225	144.91	152.99	154.20
230	127.76	135.08	136.79
235	129.38	136.77	138.25
240	142.53	150.50	151.48
245	158.41	167.09	167.89
250	171.46	180.74	181.75
255	179.07	188.70	189.86
260	180.41	190.10	191.27
265	175.79	185.26	186.30
270	166.30	175.34	176.13
275	153.72	162.19	162.65
280	140.35	148.23	148.39
285	128.95	136.33	136.33
290	122.18	129.27	129.27
295	121.68	128.74	128.74
300	127.13	134.43	134.43
305	136.63	144.34	144.34
310	147.75	155.95	155.95
315	158.46	167.14	167.14
320	167.34	176.42	176.42
325	173.53	182.90	182.90
330	176.69	186.21	186.21
335	176.86	186.38	186.38
340	174.50	183.91	183.91
345	170.42	179.65	179.65
350	165.84	174.85	174.85
355	162.18	171.03	171.03

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