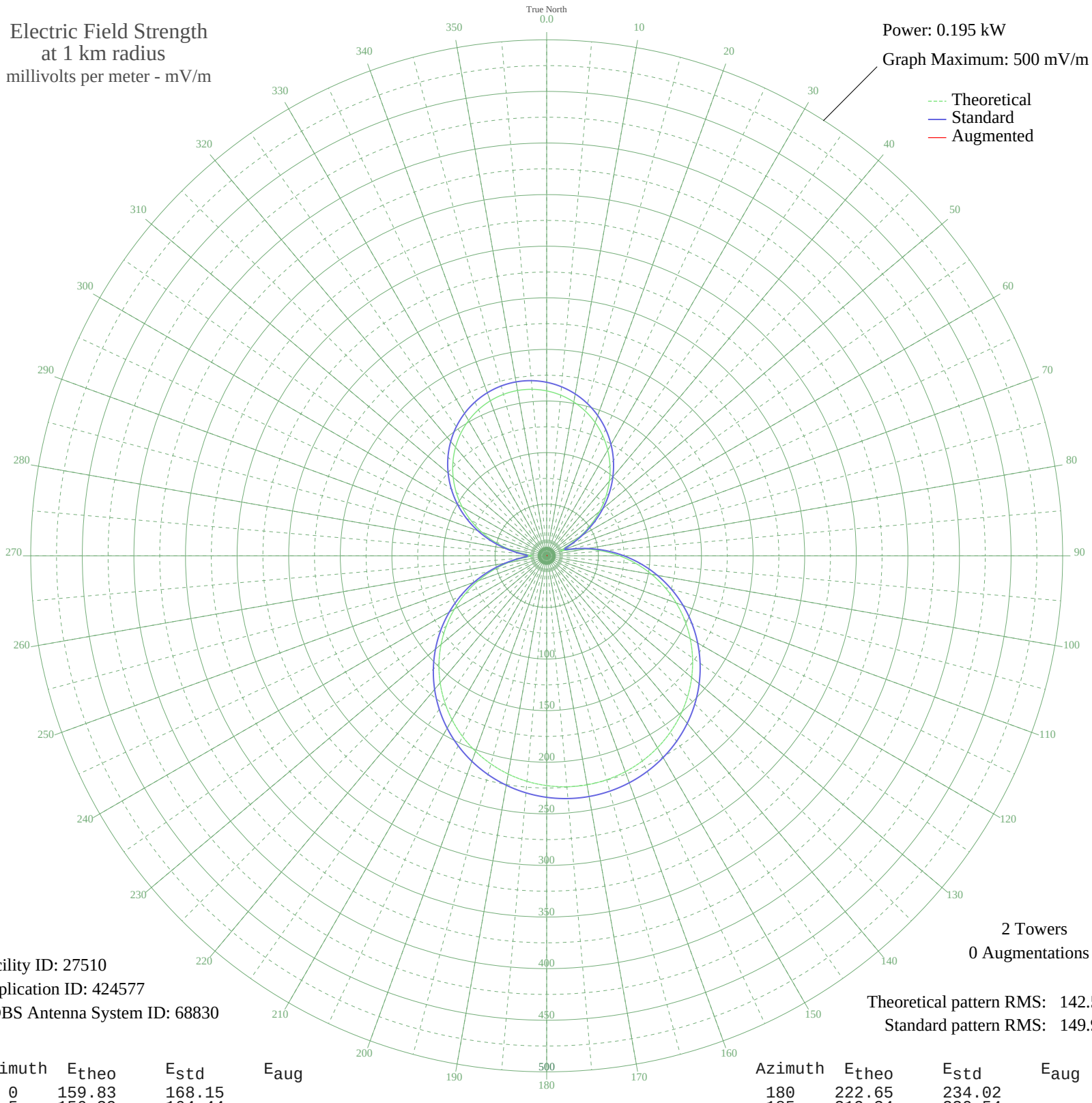
WTKZ ALLENTOWN, PA BL-19991201AAQ 1320 kHz

Nighttime

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



Power: 0.195 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

Facility ID: 27510
Application ID: 424577
CDBS Antenna System ID: 68830

2 Towers
0 Augmentations

Theoretical pattern RMS: 142.50
Standard pattern RMS: 149.99

Azimuth	E_{theo}	E_{std}	E_{aug}
0	159.83	168.15	
5	156.29	164.44	
10	151.36	159.27	
15	145.05	152.67	
20	137.41	144.66	
25	128.47	135.30	
30	118.29	124.65	
35	106.93	112.77	
40	94.49	99.76	
45	81.06	85.76	
50	66.79	70.91	
55	51.88	55.47	
60	36.70	39.94	
65	22.34	25.70	
70	14.28	18.31	
75	22.35	25.71	
80	37.44	40.69	
85	53.91	57.57	
90	70.61	74.88	
95	87.14	92.09	
100	103.26	108.93	
105	118.80	125.18	
110	133.61	140.68	
115	147.57	155.31	
120	160.59	168.94	
125	172.56	181.49	
130	183.42	192.87	
135	193.10	203.03	
140	201.57	211.91	
145	208.78	219.47	
150	214.71	225.69	
155	219.34	230.54	
160	222.65	234.02	
165	224.64	236.11	
170	225.31	236.81	
175	224.64	236.11	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	222.65	234.02	
185	219.34	230.54	
190	214.71	225.69	
195	208.78	219.47	
200	201.57	211.91	
205	193.10	203.03	
210	183.42	192.87	
215	172.56	181.49	
220	160.59	168.94	
225	147.57	155.31	
230	133.61	140.68	
235	118.80	125.18	
240	103.26	108.93	
245	87.14	92.09	
250	70.61	74.88	
255	53.91	57.57	
260	37.44	40.69	
265	22.35	25.71	
270	14.28	18.31	
275	22.34	25.70	
280	36.70	39.94	
285	51.88	55.47	
290	66.79	70.91	
295	81.06	85.76	
300	94.49	99.76	
305	106.93	112.77	
310	118.29	124.65	
315	128.47	135.30	
320	137.41	144.66	
325	145.05	152.67	
330	151.36	159.27	
335	156.29	164.44	
340	159.83	168.15	
345	161.96	170.38	
350	162.67	171.12	
355	161.96	170.38	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission