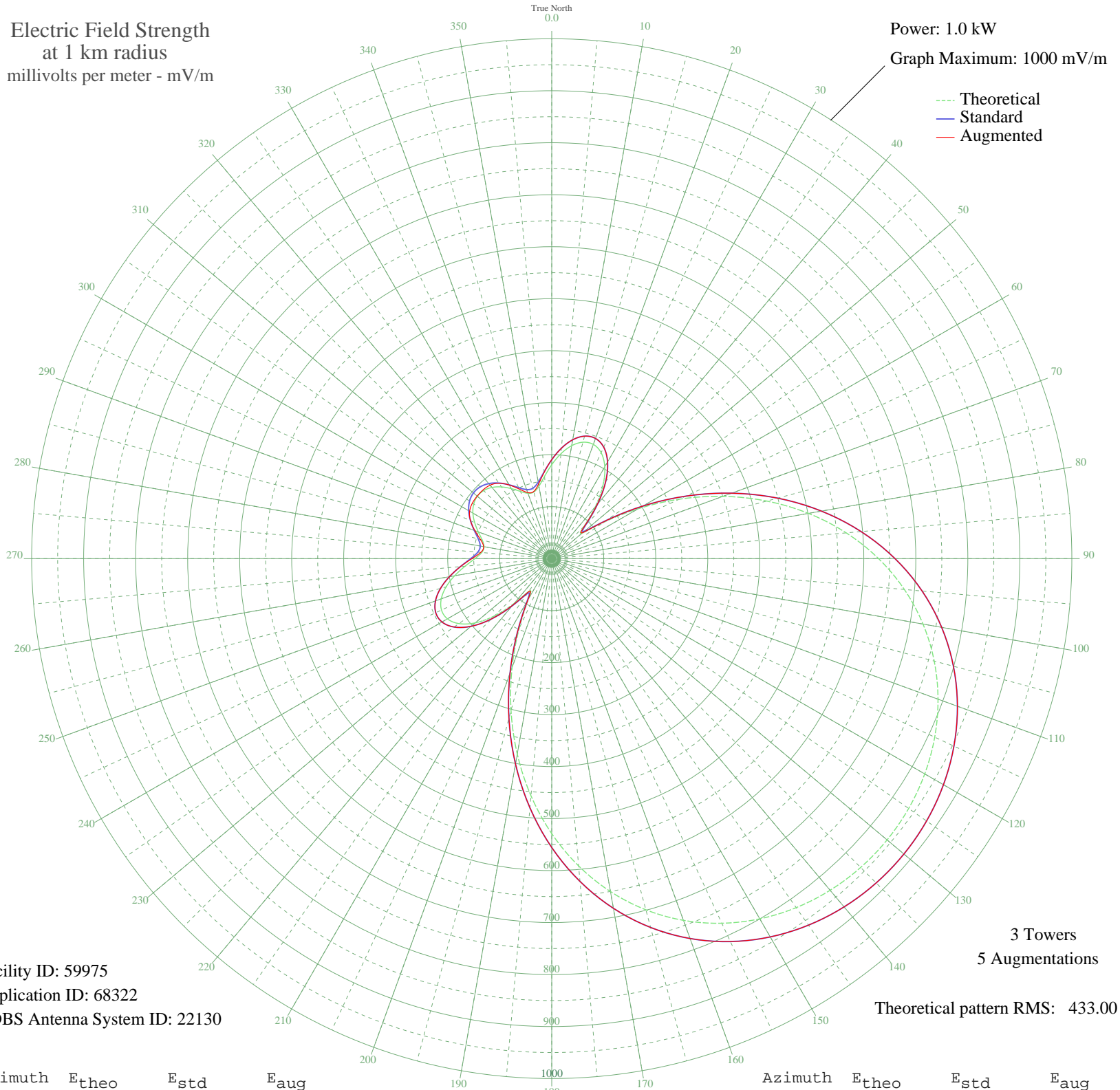


WTTR WESTMINSTER, MD BL-19840402AM 1470 kHz

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

3 Towers  
5 Augmentations

Theoretical pattern RMS: 433.00

Facility ID: 59975  
Application ID: 68322  
CDBS Antenna System ID: 22130

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	180.65	190.32	190.32
5	202.49	213.19	213.19
10	220.60	232.16	232.16
15	231.86	243.95	243.95
20	233.83	246.01	246.01
25	224.80	236.55	236.55
30	203.93	214.69	214.69
35	171.53	180.78	180.74
40	129.94	137.32	136.49
45	87.68	93.38	90.64
50	76.22	81.54	77.99
55	121.47	128.49	127.12
60	192.15	202.36	202.17
65	270.49	284.44	284.44
70	350.24	368.09	368.09
75	427.96	449.63	449.63
80	501.26	526.55	526.55
85	568.45	597.08	597.08
90	628.44	660.04	660.04
95	680.64	714.84	714.84
100	724.89	761.29	761.29
105	761.34	799.56	799.56
110	790.38	830.04	830.04
115	812.47	853.24	853.24
120	828.13	869.67	869.67
125	837.76	879.79	879.79
130	841.68	883.90	883.90
135	840.01	882.14	882.14
140	832.68	874.46	874.46
145	819.48	860.60	860.60
150	800.02	840.17	840.17
155	773.82	812.66	812.66
160	740.39	777.56	777.56
165	699.29	734.42	734.42
170	650.27	682.96	682.96
175	593.35	623.22	623.22

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	528.94	555.61	555.61
185	457.92	481.07	481.07
190	381.73	401.12	401.12
195	302.44	317.95	317.95
200	223.02	234.69	234.66
205	148.15	156.34	155.60
210	89.01	94.76	92.05
215	76.45	81.78	78.24
220	112.16	118.80	117.32
225	155.75	164.28	164.05
230	192.28	202.50	202.50
235	217.88	229.31	229.31
240	231.60	243.68	243.68
245	233.87	246.06	246.06
250	226.08	237.90	237.90
255	210.37	221.44	221.44
260	189.60	199.70	199.70
265	167.31	176.37	176.17
270	147.68	155.84	153.47
275	135.03	142.64	137.07
280	132.17	139.66	133.02
285	138.42	146.18	141.79
290	150.18	158.46	157.17
295	163.40	172.28	172.28
300	175.03	184.44	182.24
305	183.12	192.91	186.28
310	186.62	196.57	187.18
315	185.11	194.99	186.86
320	178.77	188.35	184.43
325	168.38	177.48	177.09
330	155.49	164.01	163.54
335	142.70	150.65	147.58
340	133.74	141.29	135.24
345	132.66	140.17	133.76
350	141.56	149.46	145.76
355	158.89	167.56	166.76