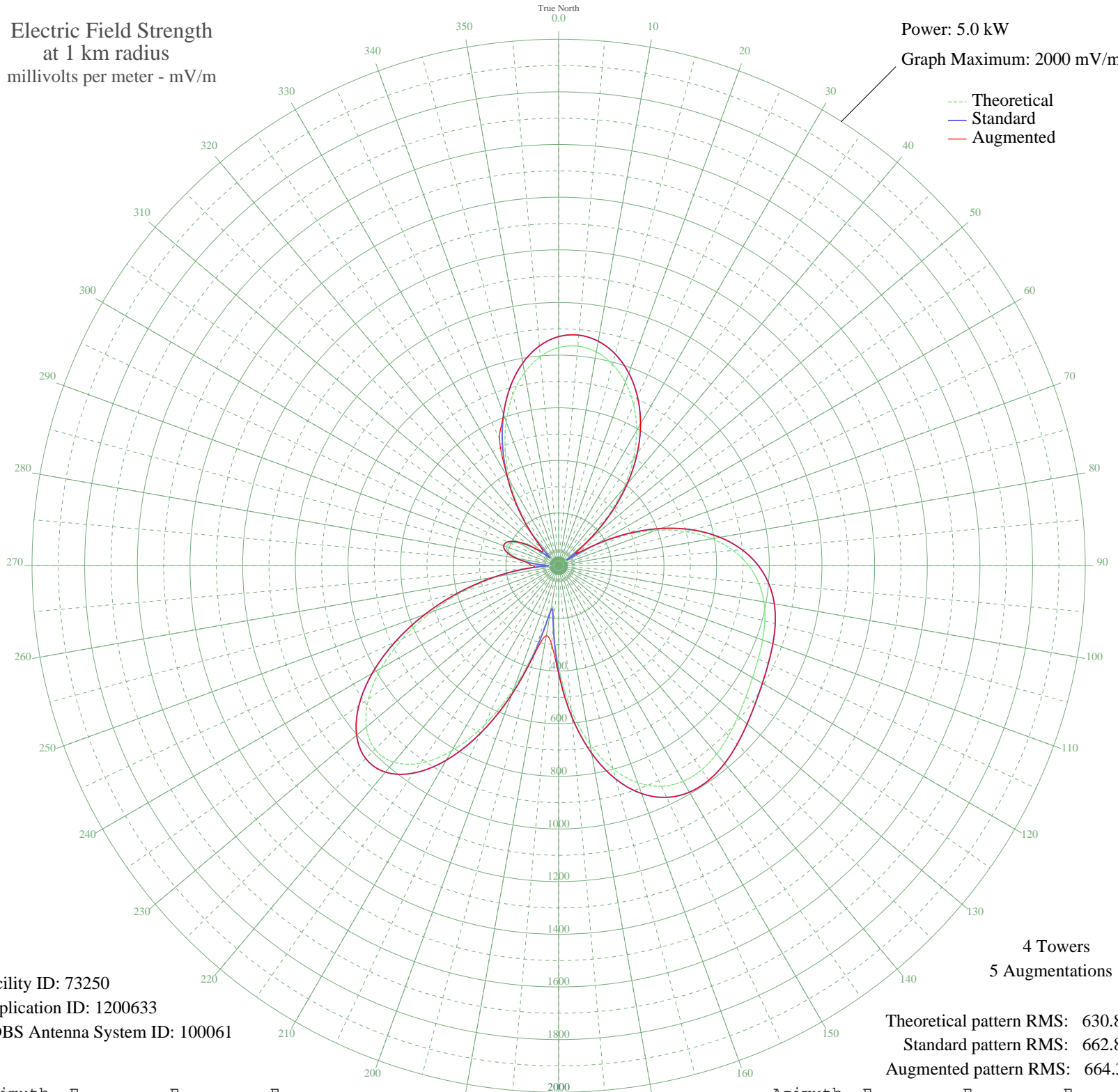


WMAL WASHINGTON, DC BL-20070808AEI 630 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 73250
Application ID: 1200633
CDBS Antenna System ID: 100061

Theoretical pattern RMS: 630.86
Standard pattern RMS: 662.84
Augmented pattern RMS: 664.36

Azimuth	E _{theo}	E _{std}	E _{aug}
0	828.52	870.27	870.27
5	837.14	879.33	879.33
10	824.42	865.98	865.98
15	791.93	831.87	831.87
20	741.39	778.83	778.83
25	674.30	708.42	708.42
30	591.74	621.79	621.79
35	494.63	519.92	519.92
40	384.18	404.10	404.10
45	262.40	276.56	276.56
50	132.99	141.68	141.68
55	28.27	38.15	81.60
60	143.69	152.76	153.03
65	272.90	287.55	287.55
70	393.33	413.69	413.69
75	500.50	526.07	526.07
80	591.64	621.68	621.68
85	665.47	699.16	699.16
90	722.20	758.69	758.69
95	763.36	801.89	801.89
100	791.66	831.58	831.58
105	810.62	851.49	851.49
110	824.25	865.79	865.79
115	836.45	878.60	878.60
120	850.46	893.30	893.30
125	868.16	911.88	911.88
130	889.60	934.39	934.39
135	912.73	958.67	958.67
140	933.57	980.55	980.55
145	946.66	994.28	994.28
150	945.69	993.27	993.27
155	924.29	970.80	970.80
160	876.79	920.94	920.94
165	799.03	839.32	839.32
170	689.21	724.07	724.07
175	548.86	576.81	576.81

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	384.80	404.75	410.25
185	219.15	231.36	301.36
190	163.93	173.79	269.61
195	308.88	325.21	339.77
200	494.60	519.88	519.88
205	668.02	701.83	701.83
210	811.76	852.68	852.68
215	915.79	961.88	961.88
220	974.54	1023.55	1023.55
225	986.45	1036.05	1036.05
230	953.73	1001.71	1001.71
235	881.77	926.17	926.17
240	778.34	817.61	817.61
245	652.62	685.67	685.67
250	514.27	540.52	540.52
255	372.60	391.97	391.97
260	236.03	248.99	248.99
265	112.29	120.32	121.22
270	27.14	37.24	97.69
275	91.60	99.12	117.78
280	154.66	164.16	164.16
285	194.61	205.74	205.74
290	210.26	222.07	222.07
295	201.96	213.41	213.41
300	170.91	181.05	181.05
305	119.38	127.62	127.62
310	54.19	61.74	84.95
315	57.33	64.79	88.31
320	150.99	160.35	160.35
325	258.48	272.46	272.46
330	370.14	389.38	389.38
335	479.97	504.54	531.09
340	582.37	611.95	611.95
345	672.16	706.17	706.17
350	744.99	782.61	782.61
355	797.69	837.92	837.92