WDMN TOLEDO, OH BML-19990429W8 1520 kHz

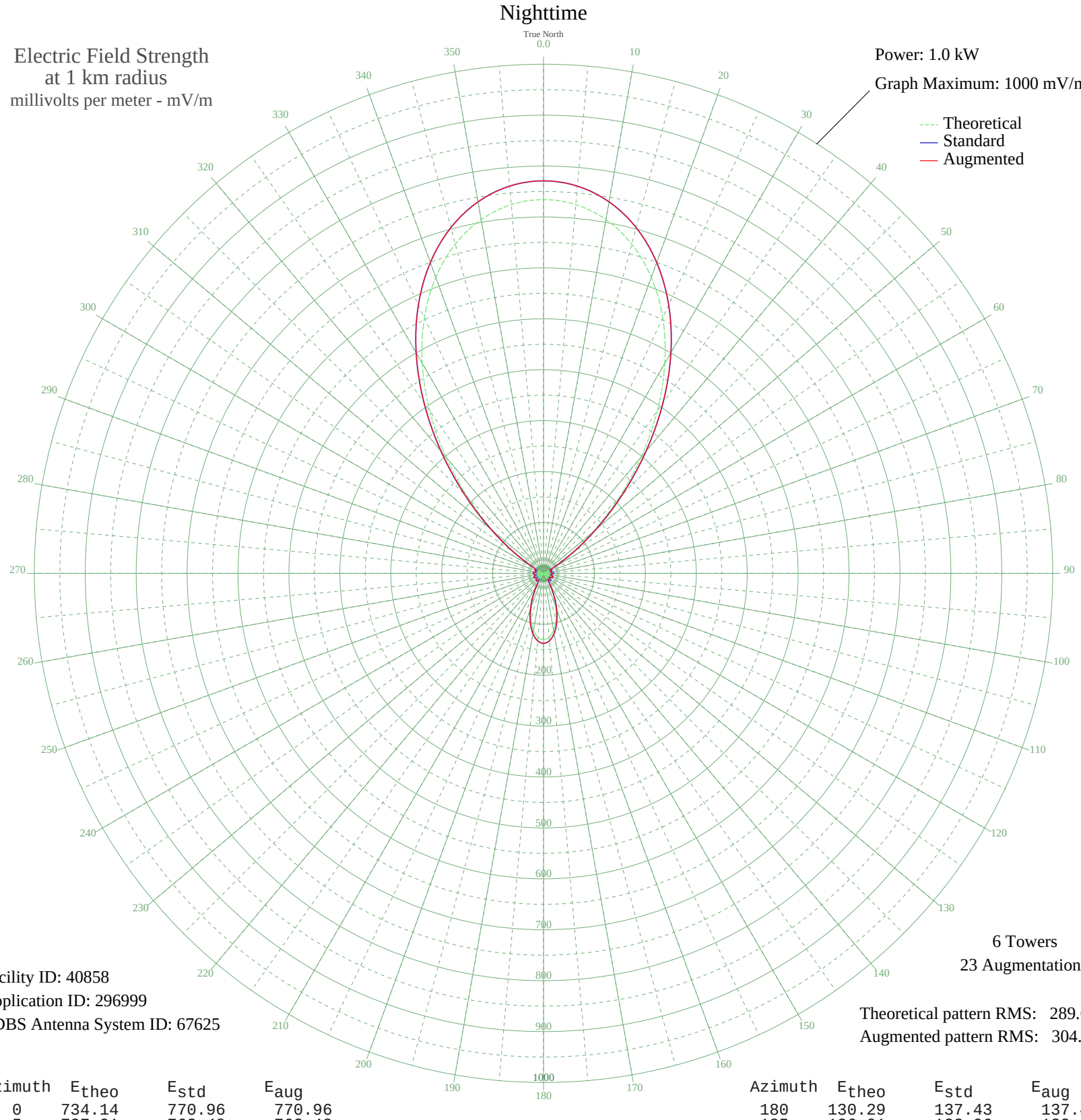
Nighttime

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

Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented



6 Towers
23 Augmentations

Facility ID: 40858
Application ID: 296999
CDBS Antenna System ID: 67625

Theoretical pattern RMS: 289.68
Augmented pattern RMS: 304.46

Azimuth	E_{theo}	E_{std}	E_{aug}
0	734.14	770.96	770.96
5	727.01	763.48	763.48
10	705.53	740.92	740.92
15	669.44	703.04	703.04
20	618.69	649.76	649.76
25	553.81	581.64	581.64
30	476.39	500.38	500.38
35	389.59	409.28	409.28
40	298.26	313.45	313.45
45	208.76	219.59	219.59
50	128.19	135.24	135.24
55	63.09	67.54	67.54
60	17.96	22.99	22.99
65	6.07	14.60	15.29
70	11.77	18.04	16.09
75	5.23	14.24	15.61
80	5.83	14.50	14.48
85	14.36	20.00	15.61
90	16.05	21.37	16.06
95	10.40	17.08	17.62
100	0.28	13.14	14.48
105	9.66	16.60	17.15
110	15.15	20.63	20.63
115	13.99	19.71	19.58
120	6.84	14.97	14.65
125	3.26	13.58	13.40
130	12.10	18.27	16.09
135	15.73	21.10	16.09
140	11.62	17.93	15.77
145	0.87	13.17	18.52
150	20.52	25.23	28.40
155	44.80	48.84	48.84
160	70.50	75.18	75.18
165	94.38	99.97	99.97
170	113.60	120.00	120.00
175	126.01	132.96	132.96

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.

25 Jul 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	130.29	137.43	137.43
185	126.01	132.96	132.96
190	113.60	120.00	120.00
195	94.38	99.97	99.97
200	70.50	75.18	75.18
205	44.80	48.84	48.84
210	20.52	25.23	26.58
215	0.87	13.17	17.70
220	11.62	17.93	19.26
225	15.73	21.10	20.12
230	12.10	18.27	19.00
235	3.26	13.58	17.55
240	6.84	14.97	18.65
245	13.99	19.71	20.86
250	15.15	20.63	20.60
255	9.66	16.60	18.58
260	0.28	13.14	17.70
265	10.40	17.08	19.03
270	16.05	21.37	20.12
275	14.36	20.00	19.31
280	5.83	14.50	16.90
285	5.23	14.24	14.43
290	11.77	18.04	18.52
295	6.07	14.60	16.57
300	17.96	22.99	22.70
305	63.09	67.54	65.85
310	128.19	135.24	135.24
315	208.76	219.59	219.59
320	298.26	313.45	313.45
325	389.59	409.28	409.28
330	476.39	500.38	500.38
335	553.80	581.64	581.64
340	618.69	649.76	649.76
345	669.44	703.04	703.04
350	705.53	740.92	740.92
355	727.01	763.48	763.48