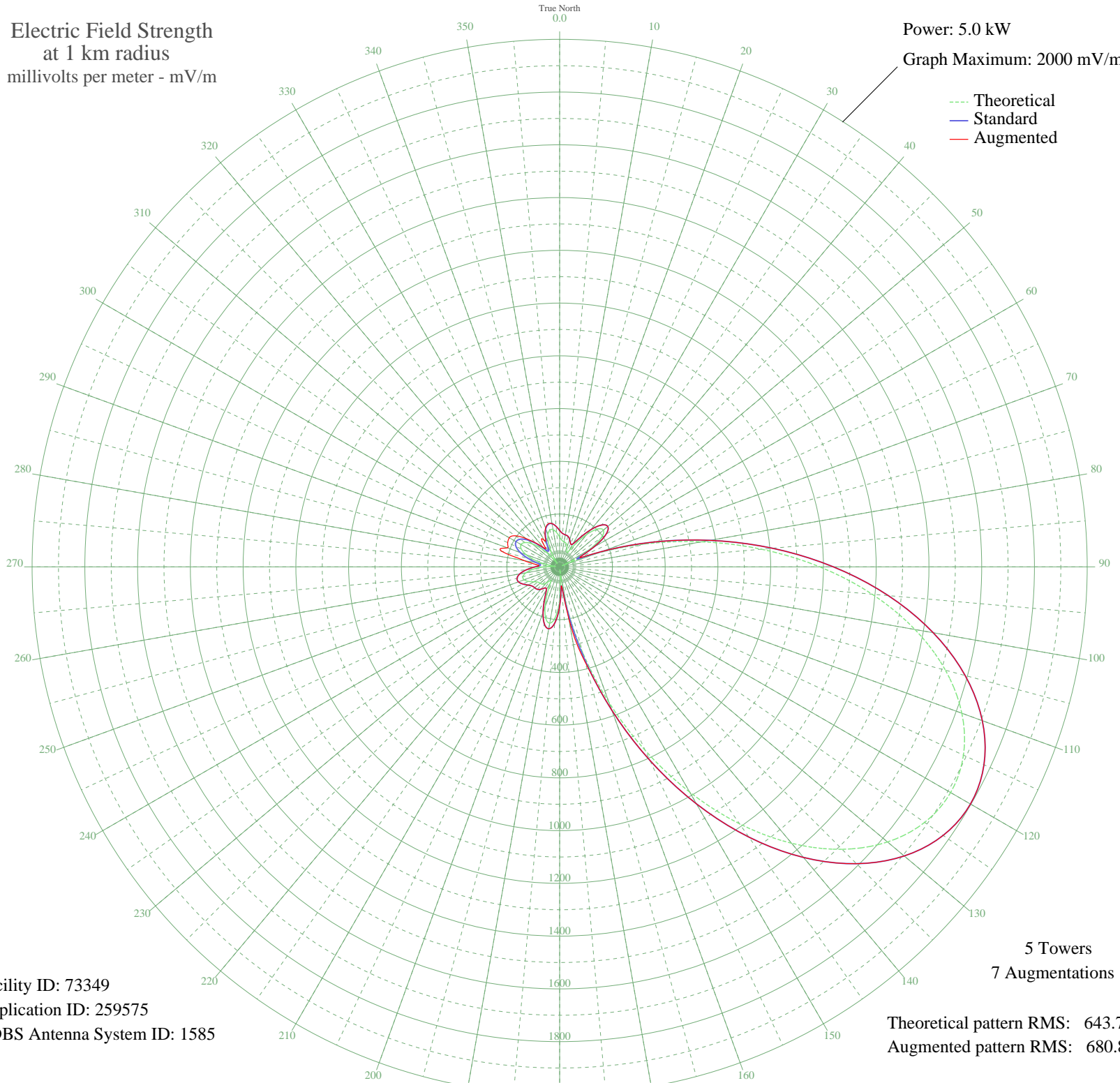


WNQM NASHVILLE, TN BL-19971222KE 1300 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 73349
Application ID: 259575
CDBS Antenna System ID: 1585

5 Towers
7 Augmentations

Theoretical pattern RMS: 643.74
Augmented pattern RMS: 680.87

Azimuth	E _{theo}	E _{std}	E _{aug}
0	113.13	138.11	138.11
5	100.73	127.09	127.09
10	96.41	123.34	123.34
15	92.90	120.34	120.34
20	81.42	110.79	110.79
25	64.15	97.48	97.48
30	68.18	100.45	100.45
35	109.52	134.87	134.87
40	161.64	183.77	183.77
45	202.54	224.04	224.04
50	216.69	238.19	238.19
55	192.78	214.33	214.33
60	124.29	148.31	148.31
65	10.70	71.35	84.19
70	146.09	168.80	169.43
75	335.46	359.22	359.22
80	547.02	578.68	578.68
85	768.09	809.57	809.57
90	986.02	1037.72	1037.72
95	1189.24	1250.69	1250.69
100	1367.92	1438.04	1438.04
105	1514.28	1591.56	1591.56
110	1622.61	1705.20	1705.20
115	1689.07	1774.92	1774.92
120	1711.45	1798.41	1798.41
125	1689.07	1774.92	1774.92
130	1622.61	1705.20	1705.20
135	1514.28	1591.56	1591.56
140	1367.92	1438.04	1438.04
145	1189.24	1250.69	1250.69
150	986.02	1037.72	1037.72
155	768.09	809.57	809.57
160	547.02	578.68	578.68
165	335.46	359.22	373.54
170	146.09	168.80	197.47
175	10.70	71.35	71.35

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	124.29	148.31	148.31
185	192.78	214.33	214.33
190	216.69	238.19	238.19
195	202.54	224.04	224.04
200	161.64	183.77	183.77
205	109.52	134.87	134.87
210	68.18	100.45	100.45
215	64.15	97.48	97.48
220	81.42	110.79	110.79
225	92.90	120.34	120.34
230	96.41	123.34	123.34
235	100.73	127.09	127.09
240	113.13	138.11	138.11
245	130.41	153.99	153.99
250	143.38	166.22	166.22
255	144.42	167.22	167.22
260	129.86	153.49	153.49
265	99.79	126.27	126.27
270	57.56	92.83	92.83
275	15.20	72.25	84.87
280	49.73	87.70	137.13
285	97.07	123.91	226.75
290	135.57	158.84	210.19
295	160.51	182.67	217.25
300	169.12	191.05	220.48
305	160.51	182.67	205.37
310	135.57	158.84	167.25
315	97.07	123.91	127.50
320	49.73	87.70	94.82
325	15.20	72.25	111.33
330	57.56	92.83	114.44
335	99.79	126.27	131.05
340	129.86	153.49	156.12
345	144.42	167.22	168.36
350	143.38	166.22	166.46
355	130.41	153.99	153.99