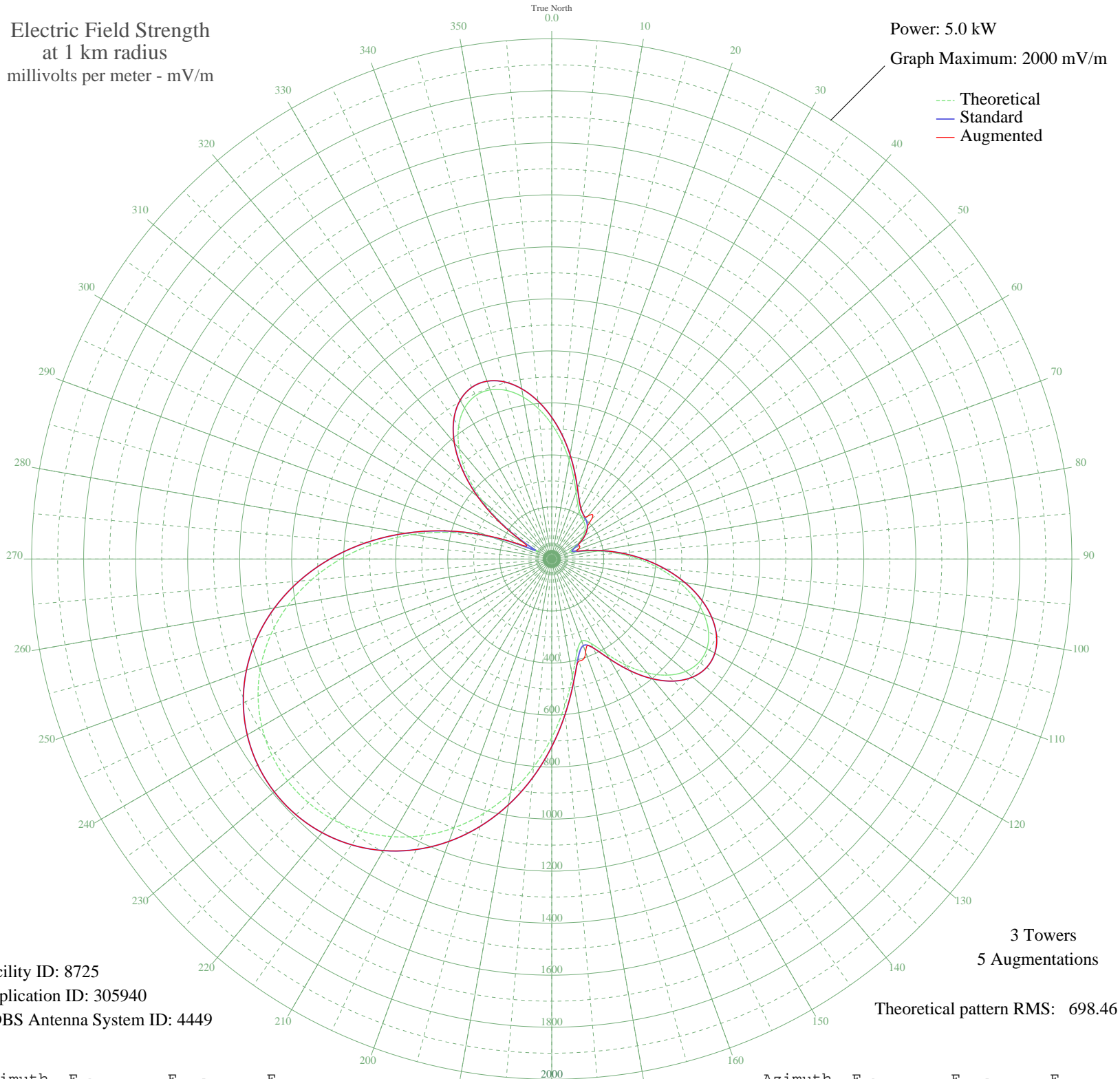


WYFN NASHVILLE, TN BL-- 980 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 8725
Application ID: 305940
CDBS Antenna System ID: 4449

3 Towers
5 Augmentations
Theoretical pattern RMS: 698.46

Azimuth	E _{theo}	E _{std}	E _{aug}
0	517.99	544.78	544.78
5	451.82	475.42	475.42
10	385.94	406.42	406.42
15	325.18	342.85	342.85
20	274.05	289.42	289.42
25	235.95	249.69	249.69
30	211.69	224.44	224.44
35	198.32	210.54	210.54
40	190.06	201.97	214.56
45	180.92	192.49	216.76
50	166.47	177.53	177.53
55	144.41	154.78	154.78
60	115.08	124.76	124.76
65	84.47	93.97	118.59
70	75.36	85.01	105.67
75	111.66	121.29	121.29
80	175.84	187.23	187.23
85	252.13	266.55	266.55
90	333.64	351.70	351.70
95	415.69	437.57	437.57
100	493.99	519.62	519.62
105	564.34	593.37	593.37
110	622.68	654.55	654.55
115	665.27	699.23	699.23
120	689.01	724.13	724.13
125	691.68	726.93	726.93
130	672.28	706.58	706.58
135	631.37	663.66	663.66
140	571.48	600.86	600.86
145	497.98	523.80	523.80
150	420.82	442.96	442.96
155	357.90	377.08	377.08
160	335.96	354.13	381.40
165	373.16	393.04	406.29
170	458.30	482.21	482.21
175	568.31	597.53	597.53

Azimuth	E _{theo}	E _{std}	E _{aug}
180	686.63	721.63	721.63
185	803.59	844.34	844.34
190	913.52	959.70	959.70
195	1012.99	1064.09	1064.09
200	1099.96	1155.38	1155.38
205	1173.30	1232.35	1232.35
210	1232.47	1294.46	1294.46
215	1277.30	1341.53	1341.53
220	1307.83	1373.58	1373.58
225	1324.14	1390.69	1390.69
230	1326.23	1392.89	1392.89
235	1314.05	1380.10	1380.10
240	1287.40	1352.12	1352.12
245	1245.98	1308.65	1308.65
250	1189.49	1249.35	1249.35
255	1117.68	1173.98	1173.98
260	1030.51	1082.48	1082.48
265	928.27	975.18	975.23
270	811.72	852.88	853.12
275	682.27	717.05	717.66
280	542.03	569.98	571.19
285	394.05	414.92	417.19
290	242.84	256.87	261.30
295	100.07	109.57	126.62
300	92.38	101.85	125.55
305	221.93	235.09	240.05
310	349.23	368.01	370.69
315	461.43	485.50	487.03
320	553.97	582.49	583.32
325	624.09	656.03	656.41
330	670.37	704.57	704.68
335	692.66	727.96	727.96
340	692.07	727.34	727.34
345	670.80	705.03	705.03
350	632.03	664.36	664.36
355	579.63	609.40	609.40

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission