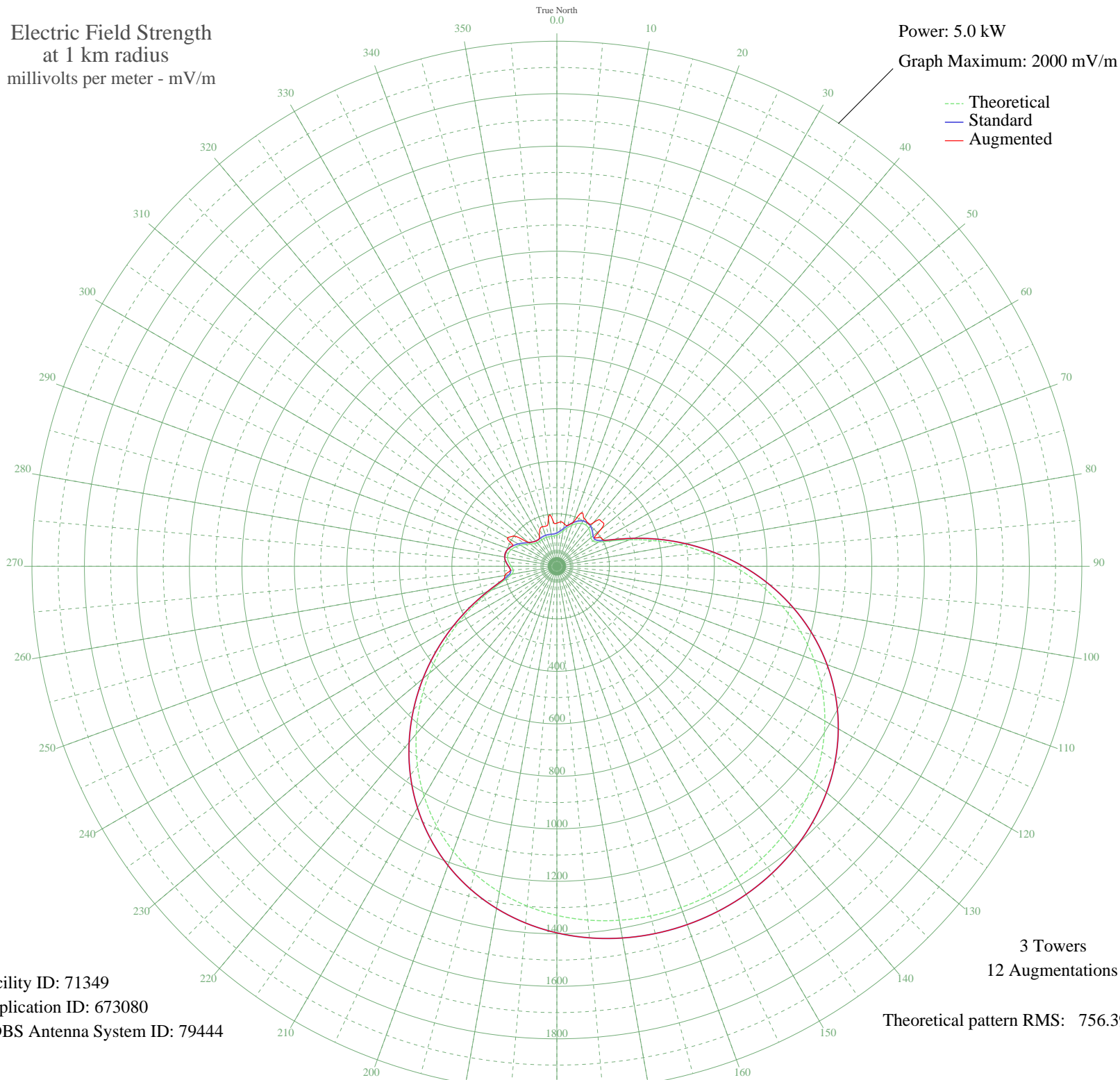


WDOD CHATTANOOGA, TN BML-20030716AEC 1310 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 71349  
Application ID: 673080  
CDBS Antenna System ID: 79444

3 Towers  
12 Augmentations  
Theoretical pattern RMS: 756.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	118.58	126.86	164.42
5	125.66	134.17	169.86
10	136.96	145.85	163.69
15	151.18	160.59	161.17
20	166.12	176.11	176.11
25	179.33	189.86	225.31
30	188.55	199.46	209.21
35	191.99	203.05	203.05
40	188.89	199.82	216.64
45	180.21	190.77	241.01
50	170.10	180.26	220.08
55	167.61	177.66	190.19
60	184.89	195.65	201.78
65	228.49	241.14	241.14
70	295.30	311.02	311.02
75	378.73	398.40	398.40
80	472.84	497.08	497.08
85	572.87	602.00	602.00
90	674.82	708.97	708.97
95	775.32	814.45	814.45
100	871.58	915.48	915.48
105	961.39	1009.75	1009.75
110	1043.14	1095.56	1095.56
115	1115.81	1171.85	1171.85
120	1178.92	1238.10	1238.10
125	1232.44	1294.29	1294.29
130	1276.69	1340.75	1340.75
135	1312.26	1378.09	1378.09
140	1339.83	1407.03	1407.03
145	1360.13	1428.35	1428.35
150	1373.81	1442.70	1442.70
155	1381.36	1450.63	1450.63
160	1383.08	1452.44	1452.44
165	1379.05	1448.20	1448.20
170	1369.10	1437.76	1437.76
175	1352.84	1420.69	1420.69

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1329.71	1396.41	1396.41
185	1299.03	1364.20	1364.20
190	1260.07	1323.30	1323.30
195	1212.17	1273.01	1273.01
200	1154.83	1212.82	1212.82
205	1087.87	1142.53	1142.53
210	1011.48	1062.33	1062.33
215	926.35	972.97	972.97
220	833.74	875.76	875.76
225	735.48	772.64	772.64
230	634.04	666.18	666.18
235	532.42	559.57	559.57
240	434.24	456.60	456.60
245	343.77	361.77	361.77
250	266.21	280.57	280.57
255	207.93	219.68	219.68
260	174.95	185.29	201.55
265	166.91	176.93	177.38
270	173.86	184.16	184.16
275	184.18	194.91	194.91
280	190.90	201.92	201.92
285	191.38	202.42	202.42
290	185.47	196.26	196.26
295	174.41	184.74	184.74
300	160.21	169.97	217.26
305	145.27	154.46	201.17
310	131.99	140.71	140.71
315	122.29	130.69	130.69
320	116.96	125.19	125.19
325	115.38	123.56	123.56
330	115.94	124.14	132.67
335	116.94	125.17	153.70
340	117.25	125.49	160.45
345	116.58	124.80	158.74
350	115.57	123.76	185.78
355	115.65	123.84	174.98