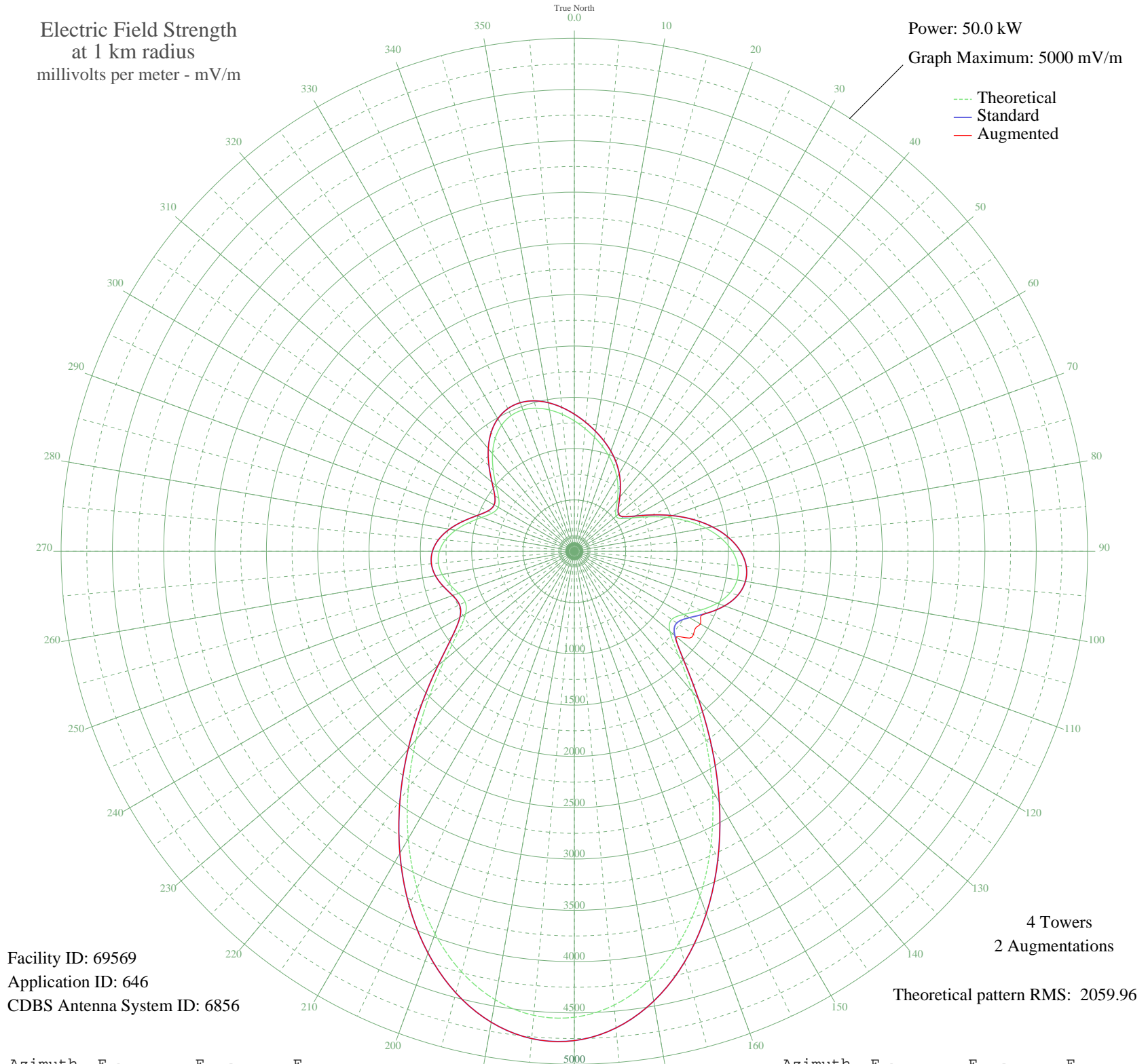


WDIA MEMPHIS, TN BL-14443 1070 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 69569  
Application ID: 646  
CDBS Antenna System ID: 6856

4 Towers  
2 Augmentations

Theoretical pattern RMS: 2059.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1270.57	1336.16	1336.16
5	1199.56	1261.73	1261.73
10	1128.61	1187.36	1187.36
15	1058.19	1113.58	1113.58
20	986.72	1038.71	1038.71
25	911.46	959.91	959.91
30	829.96	874.61	874.61
35	741.87	782.50	782.50
40	651.77	688.38	688.38
45	573.04	606.26	606.26
50	531.09	562.56	562.56
55	554.46	586.90	586.90
60	649.15	685.64	685.64
65	794.33	837.35	837.35
70	963.98	1014.89	1014.89
75	1137.49	1196.67	1196.67
80	1299.23	1366.21	1366.21
85	1436.69	1510.35	1510.35
90	1539.51	1618.19	1618.19
95	1599.36	1680.97	1680.97
100	1610.28	1692.42	1692.42
105	1569.83	1650.00	1650.00
110	1481.29	1557.13	1557.13
115	1357.92	1427.75	1427.75
120	1230.87	1294.54	1418.88
125	1158.45	1218.63	1416.10
130	1215.04	1277.95	1297.81
135	1435.87	1509.49	1509.49
140	1790.11	1881.09	1881.09
145	2223.60	2335.96	2335.96
150	2689.52	2824.97	2824.97
155	3151.12	3309.51	3309.51
160	3578.75	3758.42	3758.42
165	3948.16	4146.23	4146.23
170	4240.22	4452.85	4452.85
175	4441.03	4663.68	4663.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	4542.19	4769.87	4769.87
185	4540.76	4768.38	4768.38
190	4439.14	4661.69	4661.69
195	4244.61	4457.45	4457.45
200	3968.71	4167.81	4167.81
205	3626.68	3808.74	3808.74
210	3236.72	3399.37	3399.37
215	2819.59	2961.50	2961.50
220	2398.39	2519.40	2519.40
225	1998.84	2100.10	2100.10
230	1649.97	1734.06	1734.06
235	1383.15	1454.20	1454.20
240	1223.99	1287.34	1287.34
245	1173.68	1234.60	1234.60
250	1199.86	1262.04	1262.04
255	1256.49	1321.40	1321.40
260	1306.84	1374.19	1374.19
265	1329.34	1397.78	1397.78
270	1314.41	1382.13	1382.13
275	1261.02	1326.15	1326.15
280	1174.92	1235.89	1235.89
285	1068.48	1124.35	1124.35
290	961.57	1012.37	1012.37
295	881.51	928.56	928.56
300	856.51	902.39	902.39
305	898.97	946.83	946.83
310	995.31	1047.71	1047.71
315	1117.69	1175.92	1175.92
320	1240.00	1304.11	1304.11
325	1343.75	1412.89	1412.89
330	1418.09	1490.85	1490.85
335	1458.50	1533.23	1533.23
340	1465.49	1540.56	1540.56
345	1443.32	1517.30	1517.30
350	1398.56	1470.36	1470.36
355	1338.66	1407.56	1407.56

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission