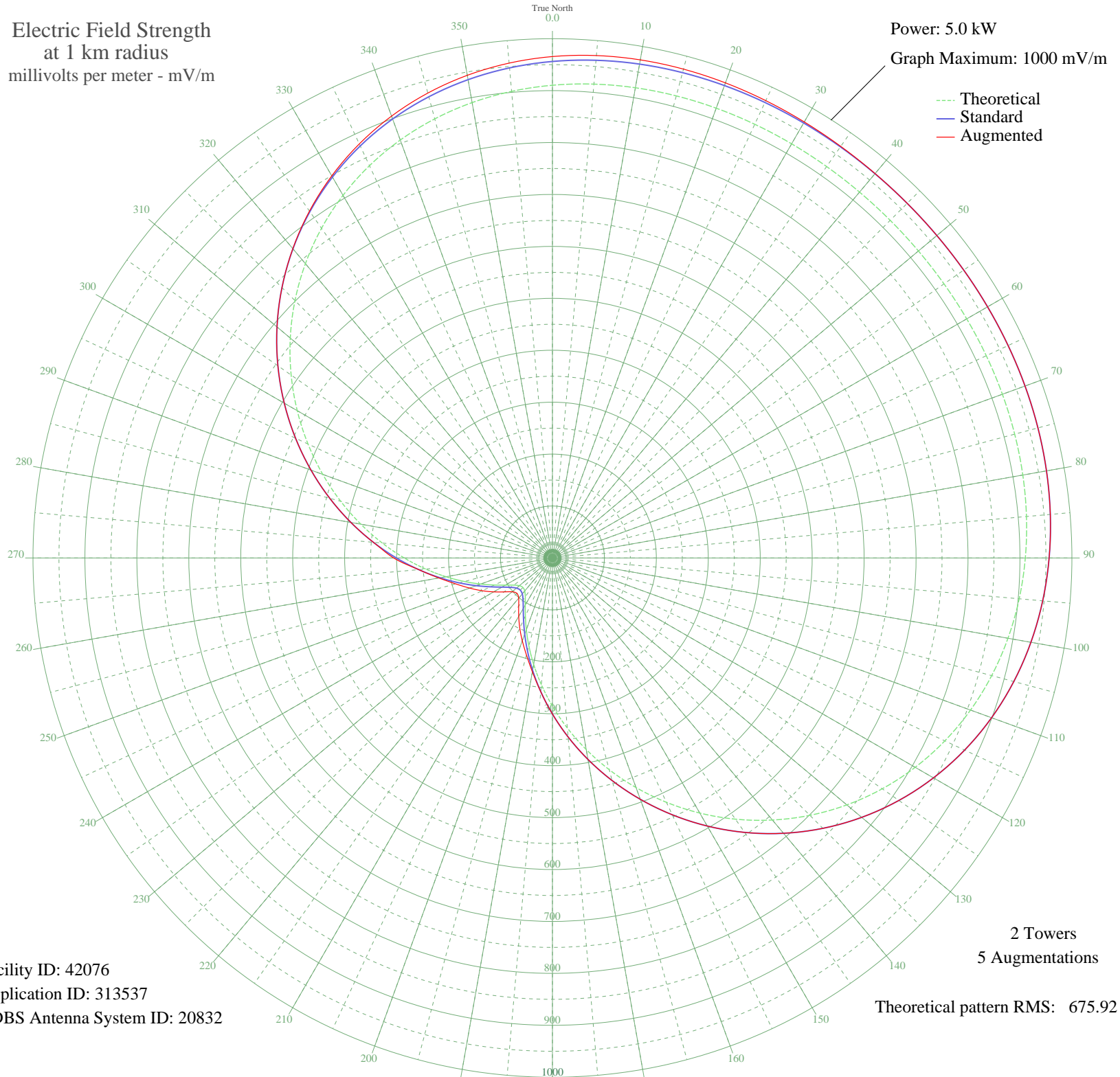


WLCM CHARLOTTE, MI BL-- 1390 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 42076
Application ID: 313537
CDBS Antenna System ID: 20832

2 Towers
5 Augmentations

Theoretical pattern RMS: 675.92

Azimuth	E _{theo}	E _{std}	E _{aug}
0	910.35	956.16	965.61
5	916.02	962.11	971.22
10	919.48	965.74	974.01
15	921.24	967.59	974.61
20	921.78	968.15	973.64
25	921.54	967.90	971.77
30	920.92	967.25	969.59
35	920.23	966.53	967.63
40	919.72	966.00	966.28
45	919.54	965.80	965.80
50	919.72	966.00	966.00
55	920.23	966.53	966.53
60	920.92	967.25	967.25
65	921.54	967.90	967.90
70	921.78	968.15	968.15
75	921.24	967.59	967.59
80	919.48	965.74	965.74
85	916.02	962.11	962.11
90	910.35	956.16	956.16
95	901.99	947.38	947.38
100	890.47	935.29	935.29
105	875.42	919.49	919.49
110	856.50	899.63	899.63
115	833.50	875.50	875.50
120	806.35	846.99	846.99
125	775.06	814.15	814.15
130	739.82	777.16	777.16
135	700.93	736.35	736.35
140	658.83	692.17	692.17
145	614.07	645.20	645.20
150	567.28	596.11	596.11
155	519.18	545.65	545.65
160	470.52	494.60	494.60
165	422.06	443.78	443.78
170	374.57	394.00	394.00
175	328.77	346.01	346.01

Azimuth	E _{theo}	E _{std}	E _{aug}
180	285.36	300.55	300.55
185	244.96	258.27	258.48
190	208.10	219.77	222.52
195	175.28	185.54	193.41
200	146.89	156.01	169.69
205	123.25	131.52	148.83
210	104.61	112.32	129.82
215	91.17	98.56	113.28
220	83.05	90.31	101.16
225	80.34	87.56	96.56
230	83.05	90.31	101.39
235	91.17	98.56	113.93
240	104.61	112.32	130.60
245	123.25	131.52	149.31
250	146.89	156.01	169.61
255	175.28	185.54	192.90
260	208.10	219.77	222.00
265	244.96	258.27	258.33
270	285.36	300.55	305.78
275	328.77	346.01	346.01
280	374.57	394.00	394.00
285	422.06	443.79	443.79
290	470.52	494.60	494.60
295	519.18	545.65	545.65
300	567.29	596.11	596.11
305	614.07	645.20	645.20
310	658.83	692.17	692.17
315	700.93	736.35	736.35
320	739.82	777.16	777.52
325	775.06	814.15	815.45
330	806.35	846.99	849.67
335	833.51	875.50	879.77
340	856.50	899.63	905.54
345	875.42	919.49	926.87
350	890.48	935.29	943.83
355	901.99	947.38	956.63

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission