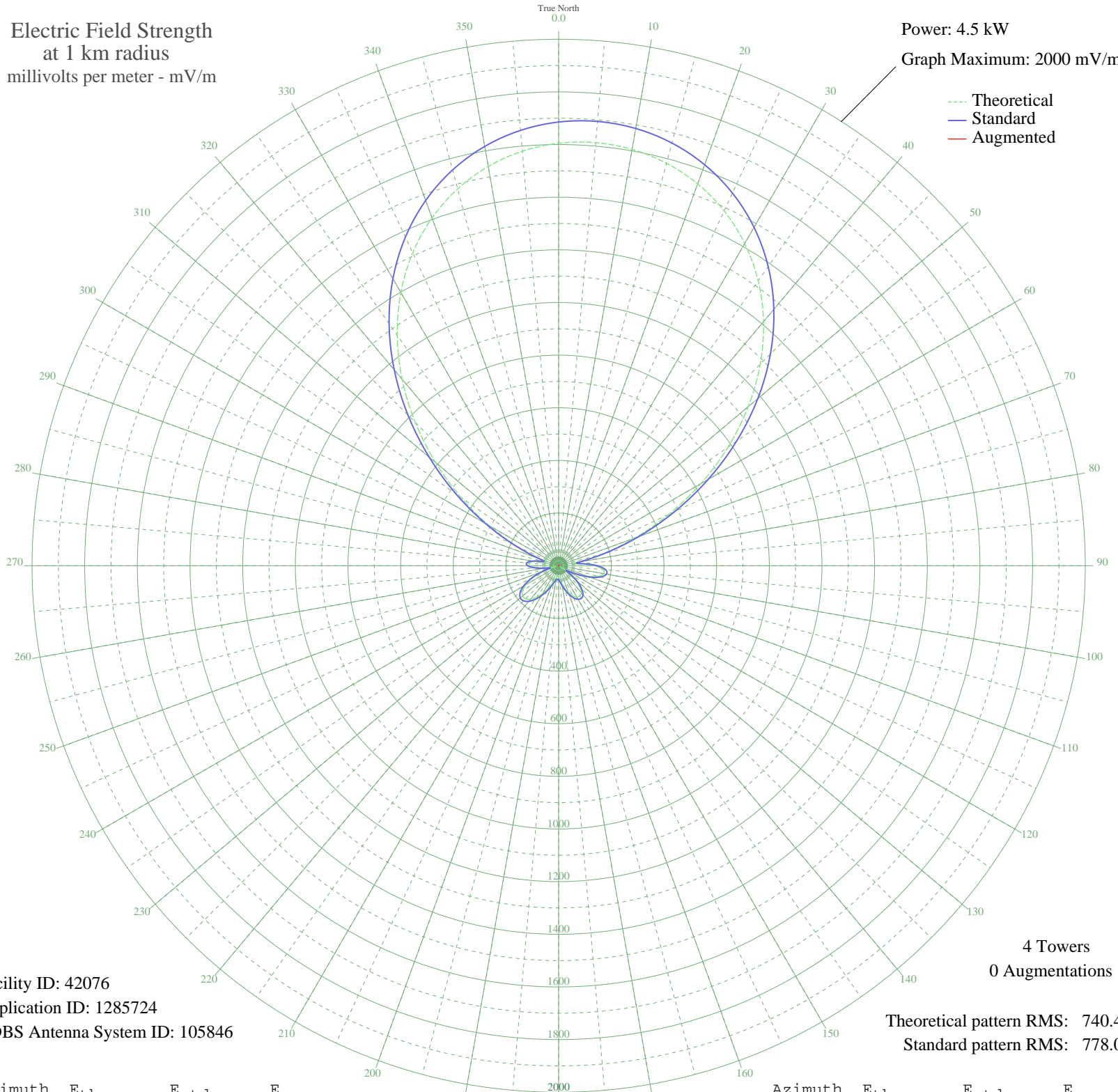


WLCM HOLT, MI BL-20081212ACX 1390 kHz

Nighttime

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

Power: 4.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 42076  
Application ID: 1285724  
CDBS Antenna System ID: 105846

4 Towers  
0 Augmentations

Theoretical pattern RMS: 740.41  
Standard pattern RMS: 778.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1605.03	1685.55	
5	1613.32	1694.25	
10	1605.97	1686.54	
15	1582.86	1662.28	
20	1543.53	1620.99	
25	1487.24	1561.90	
30	1413.25	1484.21	
35	1321.00	1387.38	
40	1210.53	1271.42	
45	1082.75	1137.28	
50	939.75	987.20	
55	785.07	824.87	
60	623.69	655.57	
65	462.02	486.06	
70	307.65	324.44	
75	169.85	180.88	
80	69.10	78.58	
85	81.60	90.84	
90	136.24	146.20	
95	168.42	179.40	
100	173.46	184.62	
105	154.32	164.83	
110	116.70	126.19	
115	67.64	77.17	
120	15.56	34.32	
125	38.24	50.24	
130	81.51	90.76	
135	113.97	123.42	
140	133.76	143.66	
145	140.97	151.06	
150	137.12	147.11	
155	124.79	134.46	
160	107.07	116.40	
165	87.20	96.40	
170	68.19	77.70	
175	52.57	62.91	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	42.29	53.69	
185	38.87	50.77	
190	43.33	54.60	
195	55.52	65.65	
200	74.14	83.49	
205	97.18	106.41	
210	122.11	131.72	
215	145.96	156.20	
220	165.46	176.33	
225	177.35	188.65	
230	178.79	190.14	
235	167.76	178.72	
240	143.54	153.71	
245	107.07	116.40	
250	61.30	71.09	
255	13.85	33.50	
260	41.71	53.19	
265	82.63	91.87	
270	108.58	117.94	
275	113.01	122.44	
280	92.25	101.46	
285	52.82	63.15	
290	72.80	82.18	
295	173.84	185.01	
300	304.68	321.34	
305	453.08	476.69	
310	610.78	642.03	
315	770.23	809.31	
320	924.75	971.46	
325	1068.88	1122.73	
330	1198.62	1258.91	
335	1311.41	1377.31	
340	1405.98	1476.59	
345	1482.07	1556.47	
350	1540.11	1617.39	
355	1580.83	1660.14	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission