

WMAX BAY CITY, MI BL-19790810AC 1440 kHz

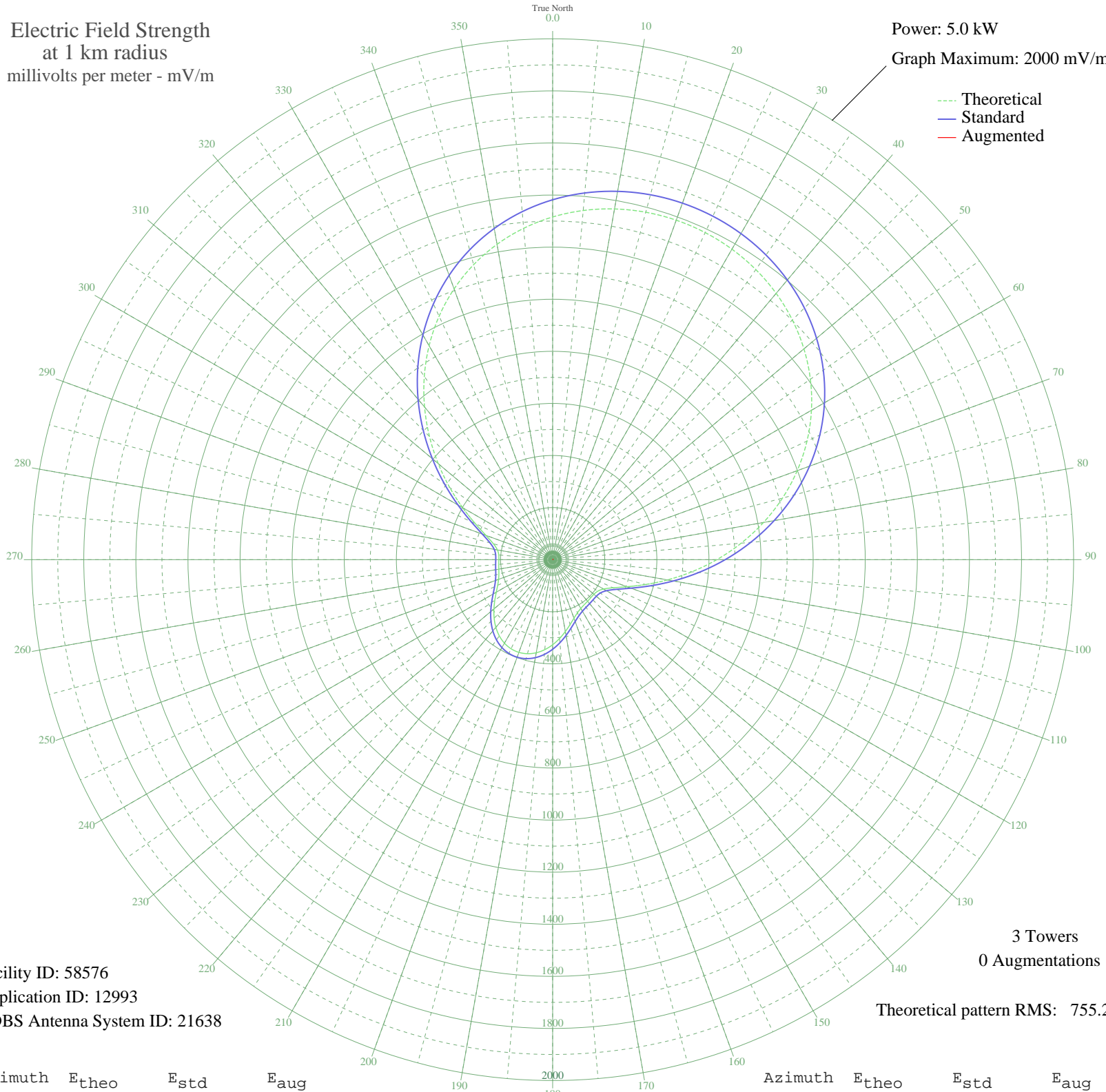
Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 58576
Application ID: 12993
CDBS Antenna System ID: 21638

3 Towers
0 Augmentations

Theoretical pattern RMS: 755.27

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1315.88	1381.95	
5	1345.83	1413.39	
10	1367.47	1436.11	
15	1381.18	1450.50	
20	1387.21	1456.83	
25	1385.71	1455.25	
30	1376.63	1445.72	
35	1359.79	1428.04	
40	1334.87	1401.88	
45	1301.49	1366.84	
50	1259.25	1322.50	
55	1207.85	1268.54	
60	1147.19	1204.86	
65	1077.44	1131.64	
70	999.18	1049.50	
75	913.48	959.55	
80	821.91	863.45	
85	726.62	763.44	
90	630.27	662.36	
95	536.06	563.53	
100	447.58	470.76	
105	368.77	388.18	
110	303.64	320.00	
115	255.52	269.70	
120	225.55	238.41	
125	211.10	223.35	
130	206.64	218.71	
135	206.77	218.84	
140	208.43	220.56	
145	211.15	223.40	
150	216.15	228.61	
155	225.14	237.98	
160	239.15	252.61	
165	257.97	272.26	
170	280.19	295.47	
175	303.78	320.14	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	326.63	344.05	
185	346.85	365.23	
190	362.96	382.09	
195	373.84	393.49	
200	378.80	398.69	
205	377.55	397.38	
210	370.16	389.64	
215	357.09	375.95	
220	339.18	357.20	
225	317.70	334.72	
230	294.31	310.25	
235	271.01	285.89	
240	249.94	263.87	
245	232.93	246.11	
250	220.97	233.64	
255	213.76	226.12	
260	209.88	222.07	
265	207.66	219.76	
270	206.43	218.48	
275	207.61	219.72	
280	215.34	227.77	
285	235.44	248.73	
290	272.58	287.53	
295	327.81	345.29	
300	398.88	419.72	
305	482.04	506.88	
310	573.27	602.56	
315	668.74	702.72	
320	765.02	803.74	
325	859.12	902.49	
330	948.57	996.38	
335	1031.45	1083.37	
340	1106.40	1162.04	
345	1172.56	1231.49	
350	1229.52	1291.29	
355	1277.23	1341.37	

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