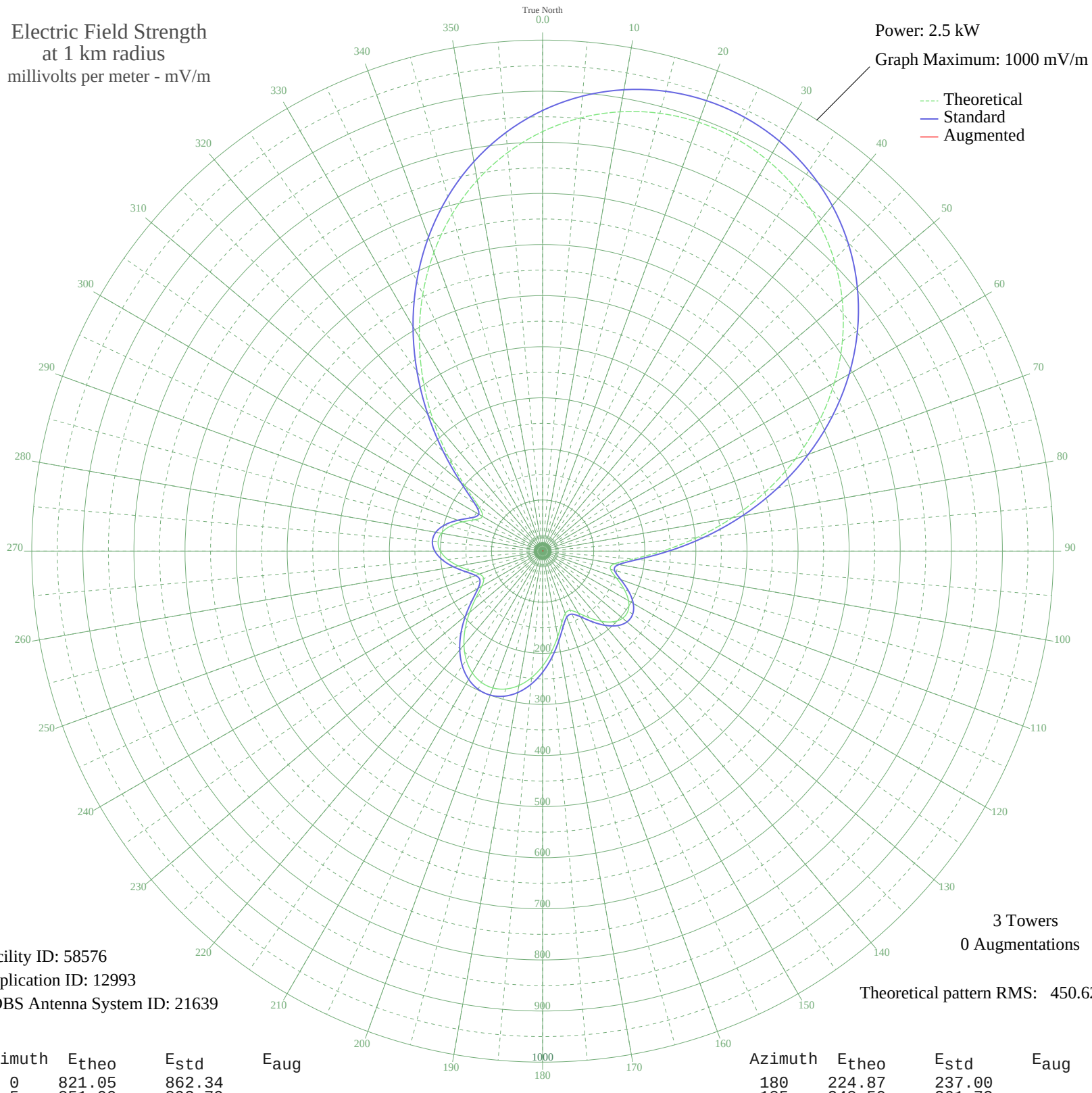
WMAX BAY CITY, MI BL-19790810AC 1440 kHz

Nighttime

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



Power: 2.5 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 58576
Application ID: 12993
CDBS Antenna System ID: 21639

Theoretical pattern RMS: 450.62

Azimuth	E_{theo}	E_{std}	E_{aug}
0	821.05	862.34	
5	851.00	893.79	
10	872.94	916.81	
15	886.96	931.54	
20	893.17	938.06	
25	891.62	936.43	
30	882.30	926.64	
35	865.12	908.61	
40	839.99	882.23	
45	806.81	847.39	
50	765.55	804.09	
55	716.36	752.46	
60	659.60	692.89	
65	595.97	626.10	
70	526.57	553.28	
75	453.01	476.10	
80	377.51	396.91	
85	303.13	318.94	
90	234.19	246.75	
95	177.41	187.40	
100	142.72	151.24	
105	137.44	145.75	
110	153.66	162.64	
115	175.89	185.81	
120	194.15	204.88	
125	204.08	215.26	
130	204.38	215.57	
135	195.53	206.32	
140	179.41	189.49	
145	159.24	168.45	
150	139.94	148.35	
155	128.13	136.08	
160	129.76	137.78	
165	145.35	153.98	
170	169.92	179.59	
175	197.80	208.69	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	224.87	237.00	
185	248.50	261.72	
190	267.01	281.10	
195	279.36	294.04	
200	284.96	299.90	
205	283.55	298.43	
210	275.20	289.69	
215	260.29	274.07	
220	239.58	252.39	
225	214.33	225.98	
230	186.56	196.95	
235	159.41	168.62	
240	137.69	146.01	
245	127.30	135.22	
250	131.50	139.58	
255	147.16	155.87	
260	167.52	177.08	
265	186.56	196.95	
270	200.08	211.07	
275	205.42	216.65	
280	201.24	212.29	
285	187.69	198.13	
290	167.08	176.62	
295	145.65	154.29	
300	136.14	144.40	
305	153.25	162.20	
310	198.09	209.00	
315	260.75	274.55	
320	332.51	349.73	
325	407.77	428.65	
330	482.81	507.36	
335	554.93	583.04	
340	622.19	653.62	
345	683.18	717.63	
350	736.98	774.09	
355	783.02	822.43	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission