

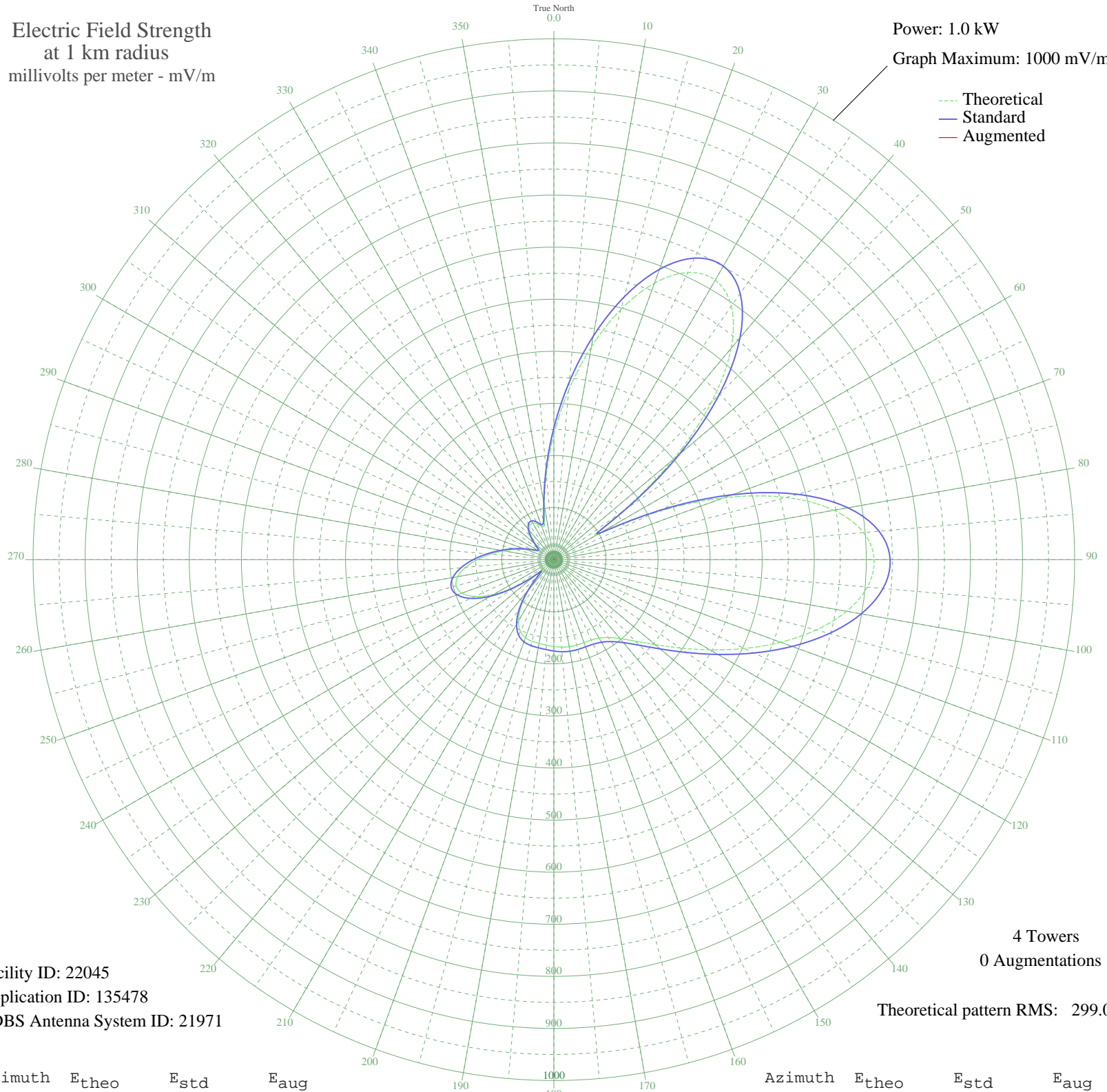
WPON WALLED LAKE, MI BL-19891117AB 1460 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
--- Standard  
--- Augmented



Facility ID: 22045  
Application ID: 135478  
CDBS Antenna System ID: 21971

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 299.07

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	240.49	252.73	
5	326.42	342.90	
10	414.85	435.72	
15	497.40	522.37	
20	564.91	593.25	
25	608.32	638.82	
30	619.81	650.88	
35	594.08	623.88	
40	529.45	556.02	
45	428.62	450.17	
50	299.45	314.59	
55	159.27	167.57	
60	96.50	101.87	
65	212.19	223.05	
70	347.10	364.60	
75	461.66	484.86	
80	546.04	573.44	
85	596.86	626.80	
90	614.93	645.77	
95	604.20	634.50	
100	570.70	599.33	
105	521.49	547.67	
110	463.67	486.97	
115	403.59	423.90	
120	346.38	363.85	
125	295.69	310.65	
130	253.68	266.57	
135	221.14	232.43	
140	197.79	207.95	
145	182.59	192.01	
150	174.00	183.00	
155	170.24	179.06	
160	169.39	178.17	
165	169.68	178.47	
170	169.67	178.46	
175	168.64	177.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	166.71	175.36	
185	164.66	173.21	
190	163.27	171.75	
195	162.23	170.66	
200	159.55	167.86	
205	151.94	159.88	
210	135.99	143.18	
215	109.64	115.60	
220	73.44	77.83	
225	35.31	38.53	
230	43.29	46.65	
235	88.86	93.89	
240	132.97	140.01	
245	167.21	175.88	
250	187.93	197.61	
255	194.16	204.14	
260	187.23	196.87	
265	170.21	179.03	
270	147.12	154.83	
275	121.94	128.46	
280	97.74	103.17	
285	76.17	80.66	
290	57.55	61.33	
295	42.12	45.45	
300	32.44	35.65	
305	33.89	37.10	
310	45.16	48.57	
315	59.38	63.22	
320	71.89	76.21	
325	79.79	84.44	
330	81.19	85.90	
335	75.76	80.24	
340	67.66	71.82	
345	71.94	76.26	
350	105.27	111.03	
355	164.39	172.93	

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