

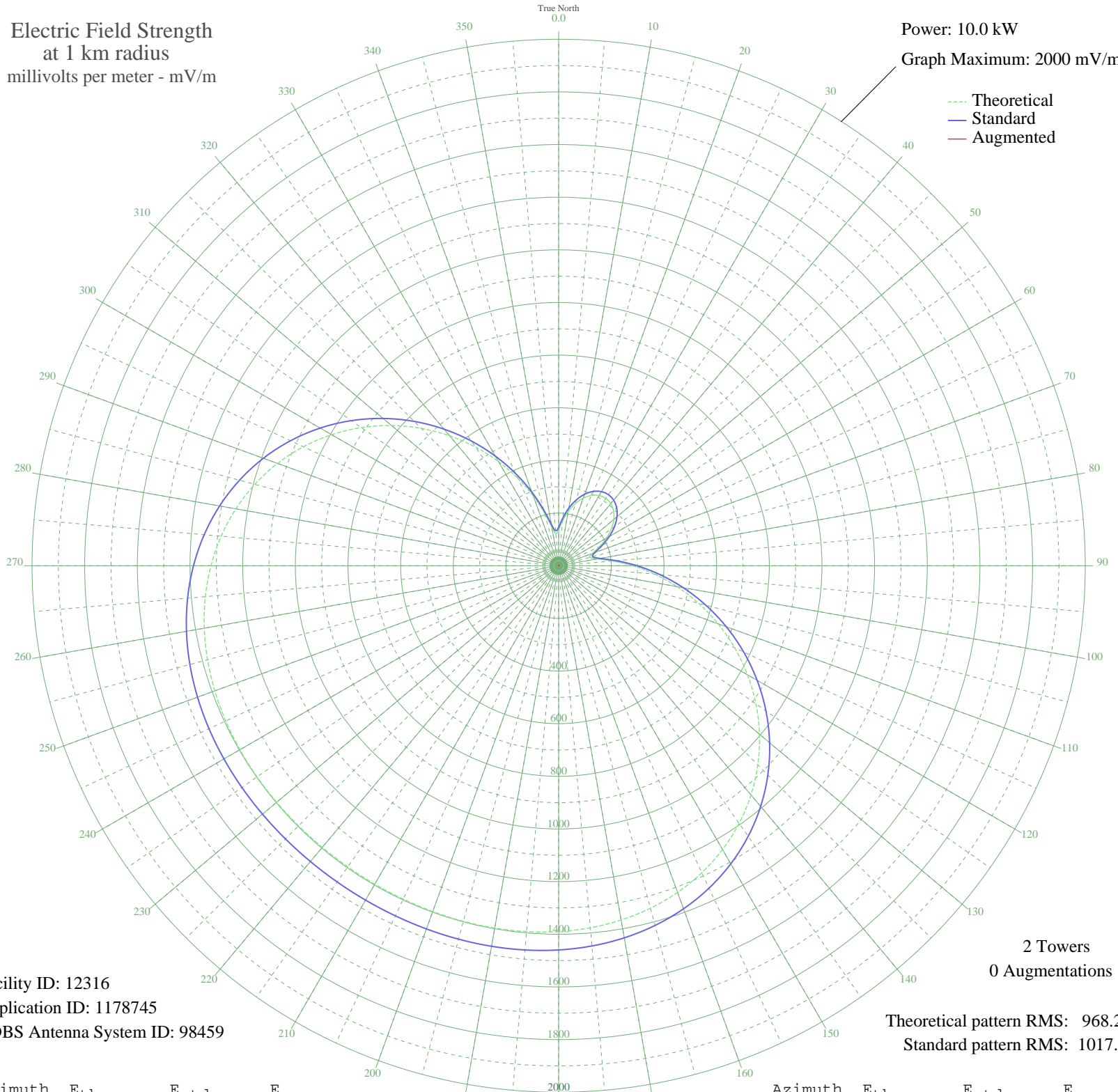
# WMSP MONTGOMERY, AL BL-20070319ACV 740 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 12316  
Application ID: 1178745  
CDBS Antenna System ID: 98459

2 Towers  
0 Augmentations

Theoretical pattern RMS: 968.24  
Standard pattern RMS: 1017.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	135.66	146.26	
5	170.15	181.71	
10	208.93	221.87	
15	244.38	258.74	
20	273.47	289.06	
25	294.85	311.36	
30	307.86	324.96	
35	312.23	329.52	
40	307.86	324.96	
45	294.85	311.36	
50	273.47	289.06	
55	244.38	258.74	
60	208.93	221.87	
65	170.15	181.71	
70	135.66	146.26	
75	122.77	133.12	
80	148.74	159.66	
85	206.44	219.29	
90	281.55	297.48	
95	366.30	386.04	
100	456.68	480.67	
105	550.08	578.54	
110	644.38	677.41	
115	737.70	775.29	
120	828.33	870.38	
125	914.72	961.03	
130	995.53	1045.84	
135	1069.64	1123.62	
140	1136.21	1193.48	
145	1194.68	1254.86	
150	1244.80	1307.47	
155	1286.62	1351.36	
160	1320.45	1386.87	
165	1346.86	1414.59	
170	1366.59	1435.30	
175	1380.53	1449.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1389.68	1459.54	
185	1395.05	1465.17	
190	1397.62	1467.87	
195	1398.31	1468.60	
200	1397.95	1468.22	
205	1397.19	1467.43	
210	1396.54	1466.74	
215	1396.28	1466.47	
220	1396.54	1466.74	
225	1397.19	1467.43	
230	1397.95	1468.22	
235	1398.31	1468.60	
240	1397.62	1467.87	
245	1395.05	1465.17	
250	1389.68	1459.54	
255	1380.53	1449.94	
260	1366.58	1435.30	
265	1346.86	1414.59	
270	1320.45	1386.87	
275	1286.62	1351.36	
280	1244.80	1307.46	
285	1194.68	1254.85	
290	1136.21	1193.48	
295	1069.64	1123.62	
300	995.53	1045.84	
305	914.72	961.03	
310	828.33	870.38	
315	737.70	775.29	
320	644.38	677.41	
325	550.08	578.54	
330	456.68	480.67	
335	366.30	386.04	
340	281.55	297.48	
345	206.44	219.29	
350	148.74	159.66	
355	122.77	133.12	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission