WZNA MOCA, PR BL-19970321AC 1040 kHz

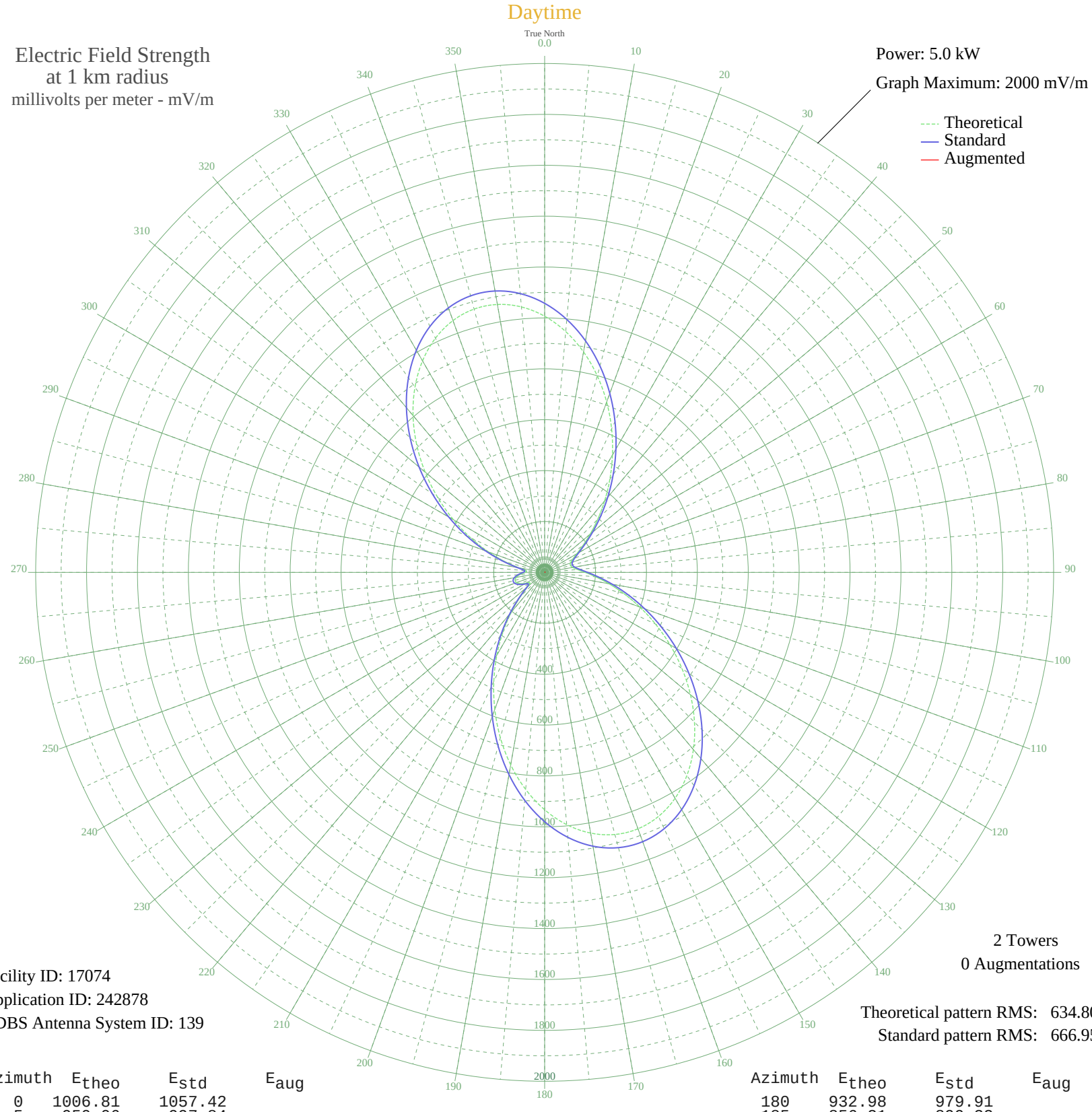
Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



2 Towers
0 Augmentations

Facility ID: 17074
Application ID: 242878
CDBS Antenna System ID: 139

Theoretical pattern RMS: 634.80
Standard pattern RMS: 666.95

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1006.81	1057.42	
5	950.06	997.84	
10	879.84	924.14	
15	799.49	839.79	
20	712.53	748.53	
25	622.54	654.08	
30	532.88	560.01	
35	446.63	469.55	
40	366.48	385.52	
45	294.67	310.29	
50	233.05	245.83	
55	183.05	193.63	
60	145.60	154.67	
65	120.80	129.00	
70	107.70	115.50	
75	104.81	112.53	
80	111.64	119.55	
85	129.24	137.72	
90	159.04	168.64	
95	201.58	212.96	
100	256.37	270.21	
105	322.26	339.19	
110	397.65	418.19	
115	480.54	505.11	
120	568.49	597.38	
125	658.68	692.01	
130	747.88	785.62	
135	832.62	874.57	
140	909.34	955.10	
145	974.55	1023.54	
150	1025.09	1076.60	
155	1058.35	1111.51	
160	1072.47	1126.33	
165	1066.48	1120.05	
170	1040.41	1092.68	
175	995.27	1045.30	

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.

30 Jan 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	932.98	979.91	
185	856.21	899.32	
190	768.20	806.95	
195	672.53	706.54	
200	572.86	601.96	
205	472.79	496.98	
210	375.67	395.16	
215	284.63	299.79	
220	202.73	214.16	
225	133.79	142.42	
230	85.22	92.51	
235	70.56	77.71	
240	85.03	92.32	
245	104.42	112.12	
250	117.27	125.35	
255	120.37	128.55	
260	113.21	121.16	
265	97.10	104.62	
270	77.48	84.67	
275	71.74	78.90	
280	101.41	109.04	
285	159.47	169.08	
290	234.19	247.01	
295	320.13	336.95	
300	413.96	435.29	
305	512.64	538.79	
310	612.97	644.05	
315	711.48	747.42	
320	804.53	845.08	
325	888.45	933.17	
330	959.80	1008.06	
335	1015.51	1066.55	
340	1053.21	1106.12	
345	1071.31	1125.12	
350	1069.20	1122.90	
355	1047.26	1099.87	