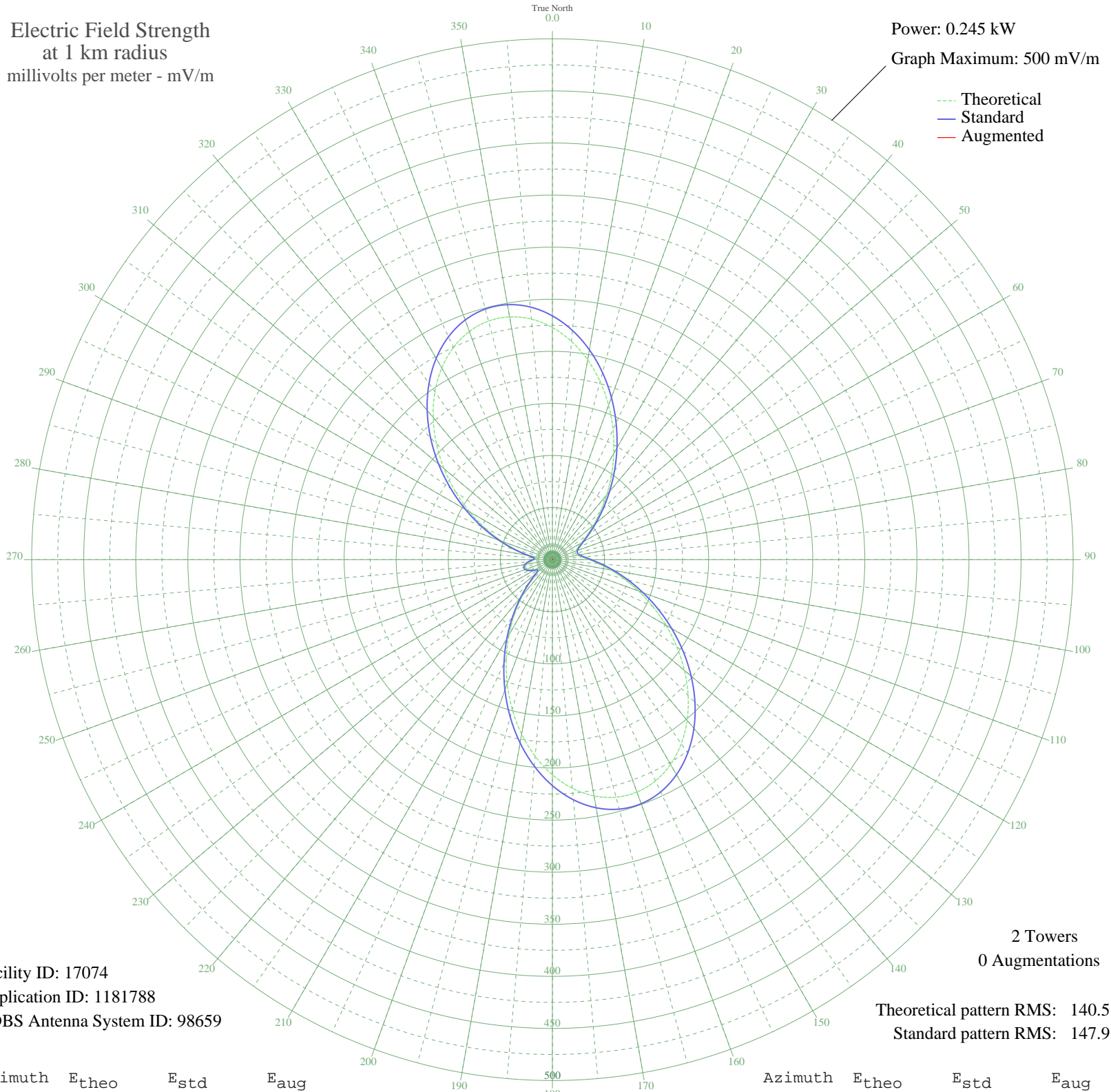


WZNA MOCA, PR BP-20061227AAE 1040 kHz

Nighttime

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

Power: 0.245 kW
Graph Maximum: 500 mV/m



Facility ID: 17074
Application ID: 1181788
CDBS Antenna System ID: 98659

Theoretical pattern RMS: 140.51
Standard pattern RMS: 147.91

Azimuth	E _{theo}	E _{std}	E _{aug}
0	222.86	234.06	
5	210.29	220.87	
10	194.75	204.56	
15	176.97	185.89	
20	157.72	165.69	
25	137.80	144.78	
30	117.95	123.96	
35	98.86	103.93	
40	81.12	85.33	
45	65.22	68.68	
50	51.59	54.41	
55	40.52	42.86	
60	32.23	34.24	
65	26.74	28.55	
70	23.84	25.57	
75	23.20	24.91	
80	24.71	26.46	
85	28.61	30.48	
90	35.20	37.33	
95	44.62	47.14	
100	56.75	59.81	
105	71.33	75.08	
110	88.02	92.57	
115	106.37	111.81	
120	125.84	132.23	
125	145.80	153.18	
130	165.54	173.90	
135	184.30	193.58	
140	201.28	211.41	
145	215.71	226.56	
150	226.90	238.30	
155	234.26	246.03	
160	237.39	249.31	
165	236.06	247.92	
170	230.29	241.86	
175	220.30	231.38	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	206.51	216.90	
185	189.52	199.06	
190	170.04	178.62	
195	148.86	156.39	
200	126.80	133.24	
205	104.65	110.01	
210	83.15	87.47	
215	63.00	66.36	
220	44.87	47.40	
225	29.61	31.53	
230	18.86	20.48	
235	15.62	17.20	
240	18.82	20.43	
245	23.11	24.82	
250	25.96	27.75	
255	26.64	28.45	
260	25.06	26.82	
265	21.49	23.16	
270	17.15	18.74	
275	15.88	17.47	
280	22.45	24.14	
285	35.30	37.43	
290	51.84	54.68	
295	70.86	74.58	
300	91.63	96.35	
305	113.47	119.26	
310	135.68	142.56	
315	157.49	165.44	
320	178.08	187.06	
325	196.66	206.56	
330	212.45	223.13	
335	224.78	236.08	
340	233.13	244.84	
345	237.13	249.04	
350	236.67	248.55	
355	231.81	243.45	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission