

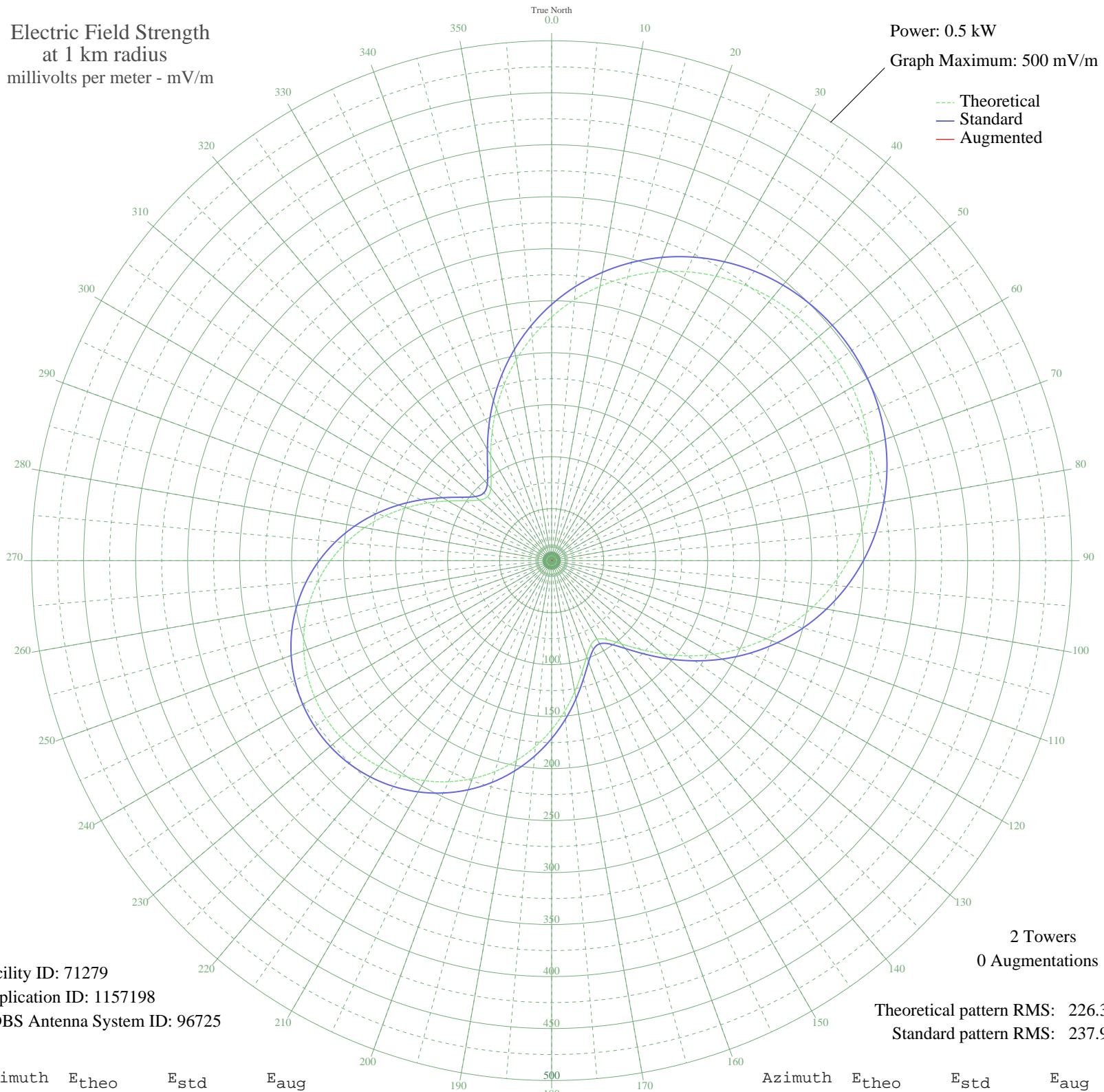
WCHE WEST CHESTER, PA BL-20061020ADR 1520 kHz

Critical Hours

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 71279  
Application ID: 1157198  
CDBS Antenna System ID: 96725

2 Towers  
0 Augmentations

Theoretical pattern RMS: 226.39  
Standard pattern RMS: 237.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	234.45	246.43	
5	251.92	264.76	
10	267.99	281.62	
15	282.53	296.88	
20	295.42	310.41	
25	306.60	322.13	
30	316.00	331.99	
35	323.58	339.95	
40	329.34	345.99	
45	333.24	350.09	
50	335.29	352.24	
55	335.47	352.43	
60	333.80	350.67	
65	330.26	346.97	
70	324.88	341.32	
75	317.66	333.74	
80	308.62	324.25	
85	297.80	312.90	
90	285.24	299.72	
95	271.03	284.81	
100	255.25	268.26	
105	238.04	250.21	
110	219.59	230.85	
115	200.13	210.45	
120	179.98	189.32	
125	159.57	167.94	
130	139.52	146.94	
135	120.71	127.26	
140	104.47	110.29	
145	92.64	97.94	
150	87.25	92.32	
155	89.40	94.56	
160	98.28	103.82	
165	111.81	117.95	
170	127.94	134.82	
175	145.18	152.86	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	162.55	171.06	
185	179.40	188.71	
190	195.29	205.37	
195	209.91	220.70	
200	223.05	234.49	
205	234.56	246.55	
210	244.31	256.78	
215	252.23	265.09	
220	258.27	271.42	
225	262.38	275.73	
230	264.53	277.99	
235	264.73	278.20	
240	262.96	276.35	
245	259.24	272.45	
250	253.59	266.52	
255	246.05	258.60	
260	236.65	248.75	
265	225.49	237.04	
270	212.66	223.59	
275	198.32	208.55	
280	182.66	192.13	
285	165.98	174.65	
290	148.67	156.52	
295	131.33	138.37	
300	114.88	121.16	
305	100.68	106.33	
310	90.70	95.91	
315	87.07	92.14	
320	90.99	96.22	
325	101.69	107.38	
330	117.21	123.60	
335	135.62	142.86	
340	155.51	163.68	
345	175.90	185.05	
350	196.14	206.27	
355	215.77	226.85	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission