

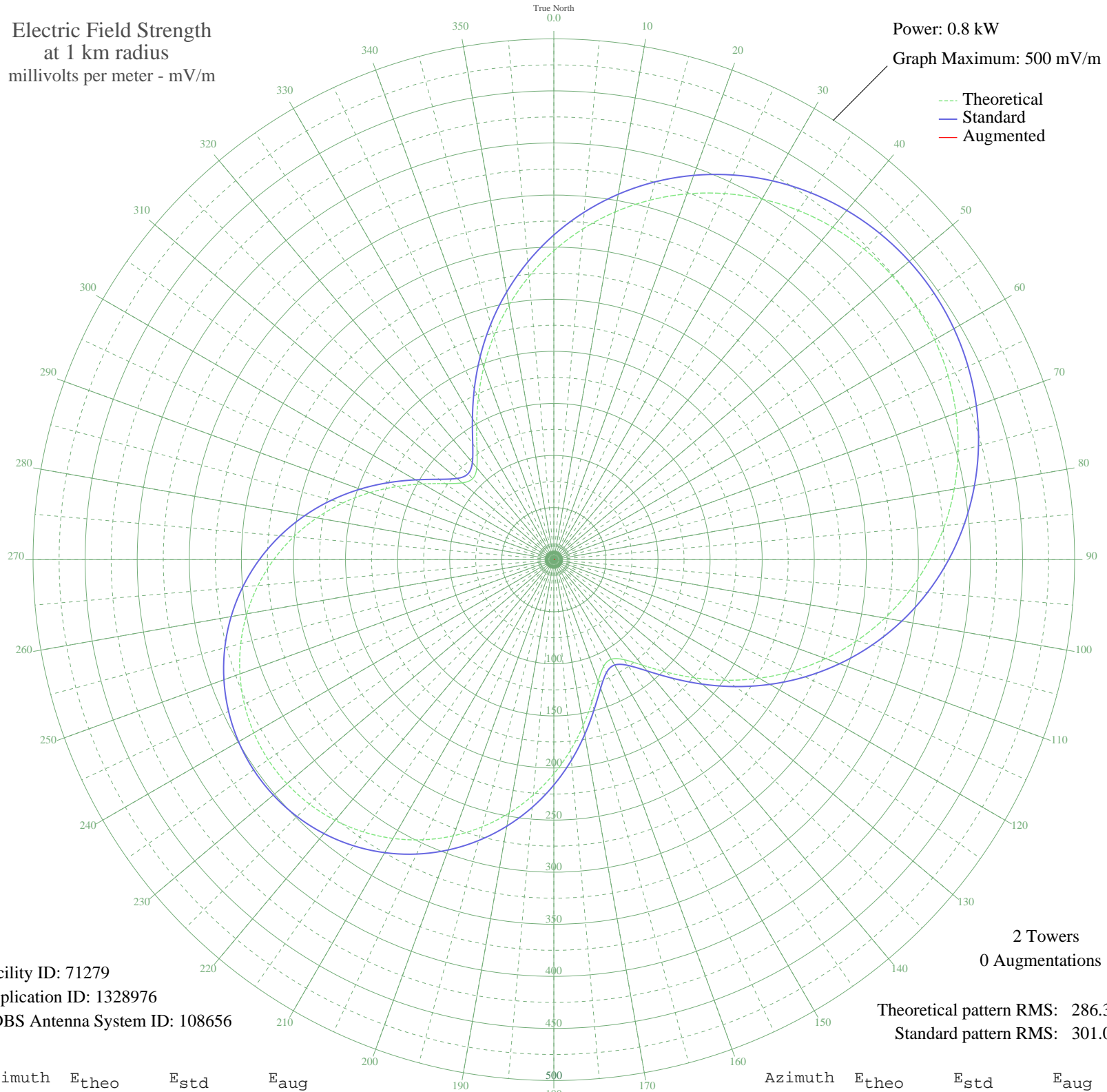
WCHE WEST CHESTER, PA BL-20090625ACZ 1520 kHz

Critical Hours

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

Power: 0.8 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 71279
Application ID: 1328976
CDBS Antenna System ID: 108656

2 Towers
0 Augmentations

Theoretical pattern RMS: 286.33
Standard pattern RMS: 301.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	296.52	311.68	
5	318.62	334.86	
10	338.95	356.19	
15	357.33	375.48	
20	373.64	392.59	
25	387.77	407.42	
30	399.66	419.89	
35	409.26	429.96	
40	416.53	437.60	
45	421.47	442.78	
50	424.06	445.50	
55	424.29	445.74	
60	422.17	443.52	
65	417.71	438.83	
70	410.90	431.68	
75	401.76	422.10	
80	390.33	410.10	
85	376.65	395.74	
90	360.77	379.08	
95	342.79	360.22	
100	322.83	339.28	
105	301.07	316.45	
110	277.73	291.98	
115	253.12	266.17	
120	227.63	239.45	
125	201.82	212.40	
130	176.46	185.85	
135	152.67	160.96	
140	132.13	139.49	
145	117.17	123.87	
150	110.35	116.76	
155	113.07	119.60	
160	124.30	131.31	
165	141.41	149.18	
170	161.81	170.51	
175	183.62	193.34	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	205.58	216.35	
185	226.89	238.68	
190	246.99	259.74	
195	265.49	279.14	
200	282.11	296.57	
205	296.66	311.83	
210	309.00	324.77	
215	319.02	335.28	
220	326.65	343.28	
225	331.84	348.73	
230	334.57	351.60	
235	334.82	351.86	
240	332.59	349.51	
245	327.88	344.58	
250	320.74	337.08	
255	311.19	327.07	
260	299.31	314.61	
265	285.19	299.80	
270	268.97	282.79	
275	250.83	263.76	
280	231.02	243.01	
285	209.92	220.89	
290	188.03	197.96	
295	166.10	175.01	
300	145.30	153.24	
305	127.34	134.49	
310	114.71	121.31	
315	110.13	116.53	
320	115.08	121.69	
325	128.61	135.81	
330	148.24	156.32	
335	171.53	180.69	
340	196.68	207.02	
345	222.47	234.05	
350	248.08	260.88	
355	272.90	286.91	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission