

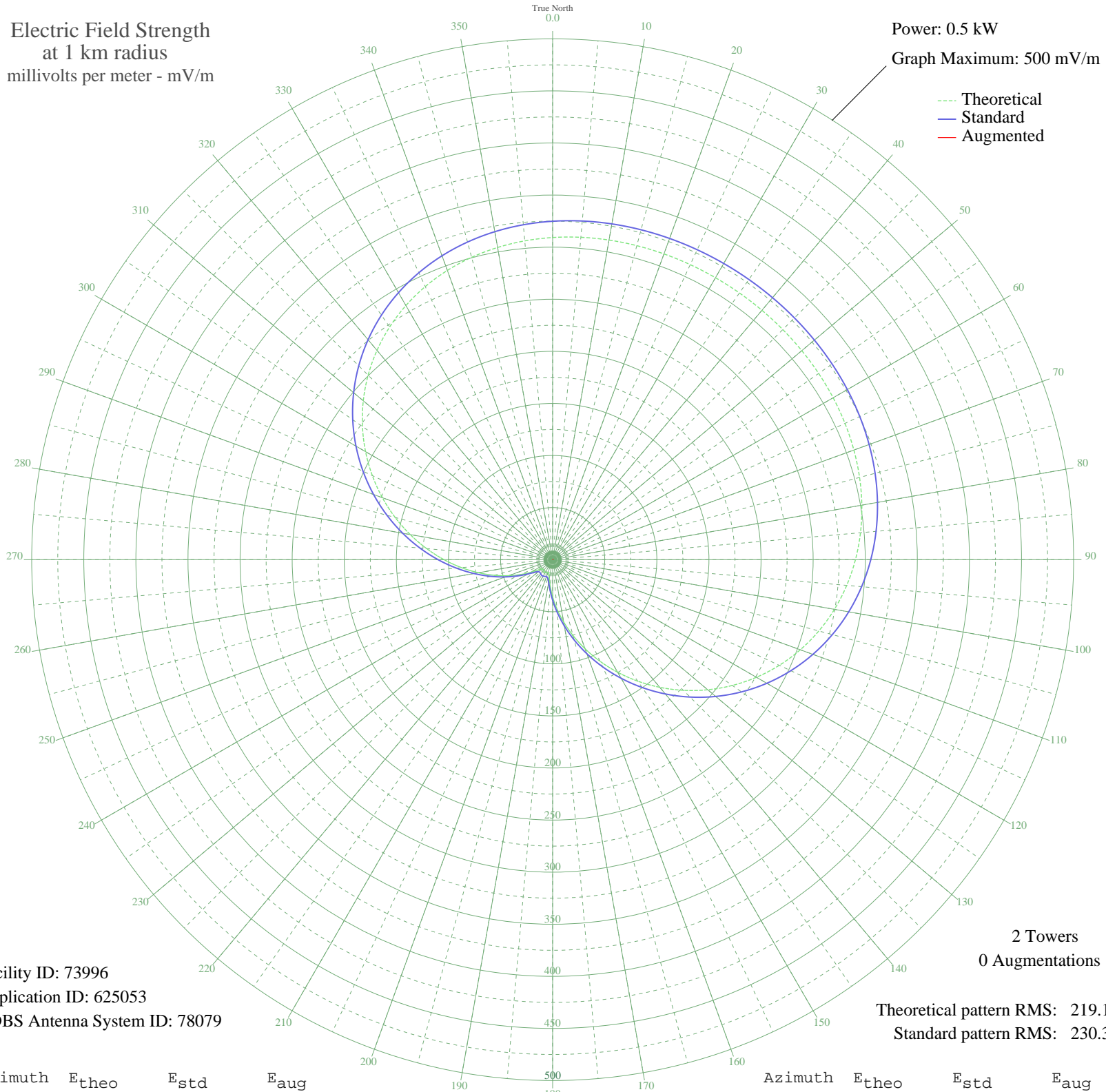
WINU SHELBYVILLE, IL BL-20030113ADU 870 kHz

Daytime

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: 73996
Application ID: 625053
CDBS Antenna System ID: 78079

2 Towers
0 Augmentations

Theoretical pattern RMS: 219.14
Standard pattern RMS: 230.34

Azimuth	E _{theo}	E _{std}	E _{aug}
0	309.25	324.88	
5	310.65	326.35	
10	311.55	327.29	
15	312.07	327.84	
20	312.35	328.14	
25	312.49	328.28	
30	312.54	328.33	
35	312.54	328.34	
40	312.50	328.29	
45	312.39	328.18	
50	312.15	327.92	
55	311.68	327.43	
60	310.87	326.58	
65	309.58	325.23	
70	307.66	323.22	
75	304.96	320.38	
80	301.32	316.56	
85	296.58	311.58	
90	290.61	305.32	
95	283.32	297.67	
100	274.62	288.54	
105	264.49	277.91	
110	252.93	265.79	
115	240.01	252.23	
120	225.83	237.35	
125	210.53	221.30	
130	194.30	204.28	
135	177.36	186.52	
140	159.96	168.29	
145	142.36	149.85	
150	124.83	131.49	
155	107.63	113.50	
160	91.05	96.17	
165	75.31	79.77	
170	60.68	64.58	
175	47.40	50.86	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	35.70	38.93	
185	25.93	29.18	
190	18.56	22.14	
195	14.23	18.26	
200	13.03	17.24	
205	13.59	17.72	
210	14.31	18.33	
215	14.39	18.40	
220	13.76	17.86	
225	13.06	17.27	
230	13.76	17.86	
235	17.44	21.10	
240	24.25	27.54	
245	33.58	36.79	
250	44.92	48.32	
255	57.91	61.71	
260	72.29	76.63	
265	87.82	92.81	
270	104.26	109.98	
275	121.35	127.85	
280	138.84	146.16	
285	156.45	164.61	
290	173.91	182.91	
295	190.96	200.78	
300	207.35	217.97	
305	222.85	234.23	
310	237.27	249.36	
315	250.46	263.19	
320	262.29	275.60	
325	272.71	286.54	
330	281.69	295.96	
335	289.26	303.91	
340	295.48	310.44	
345	300.46	315.66	
350	304.31	319.70	
355	307.19	322.72	

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.

01 Feb 2010

Prepared by Audio Division, Media Bureau
Federal Communications Commission