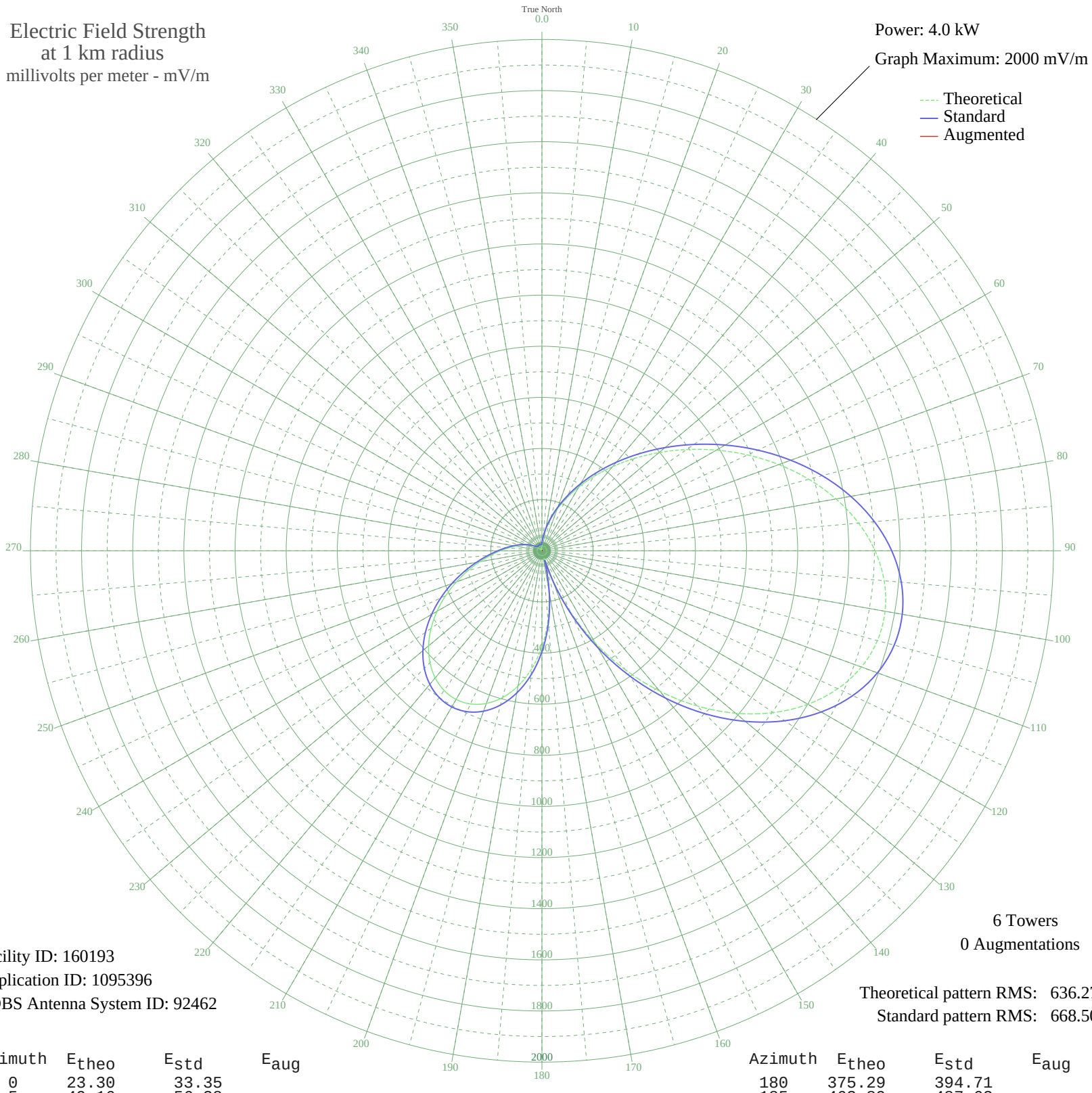
WJFA HILLIARD, FL BNP-20050118ABJ 830 kHz

Nighttime

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



Power: 4.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

6 Towers
0 Augmentations

Facility ID: 160193
Application ID: 1095396
CDBS Antenna System ID: 92462

Theoretical pattern RMS: 636.27
Standard pattern RMS: 668.50

Azimuth	E_{theo}	E_{std}	E_{aug}
0	23.30	33.35	
5	49.16	56.38	
10	82.72	89.76	
15	123.72	131.87	
20	171.78	181.79	
25	226.54	238.95	
30	287.78	303.02	
35	355.45	373.91	
40	429.63	451.68	
45	510.37	536.36	
50	597.47	627.76	
55	690.28	725.15	
60	787.44	827.13	
65	886.87	931.49	
70	985.73	1035.26	
75	1080.58	1134.83	
80	1167.59	1226.18	
85	1242.82	1305.15	
90	1302.46	1367.77	
95	1343.18	1410.52	
100	1362.30	1430.59	
105	1357.98	1426.06	
110	1329.35	1396.00	
115	1276.54	1340.56	
120	1200.66	1260.90	
125	1103.69	1159.09	
130	988.38	1038.04	
135	858.09	901.28	
140	716.61	752.78	
145	567.94	596.77	
150	416.17	437.57	
155	265.39	279.58	
160	120.29	128.32	
165	37.63	45.55	
170	155.73	165.07	
175	272.01	286.51	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	375.29	394.71	
185	463.89	487.62	
190	536.99	564.29	
195	594.19	624.32	
200	635.46	667.61	
205	660.98	694.40	
210	671.24	705.16	
215	666.93	700.64	
220	649.06	681.89	
225	618.95	650.29	
230	578.28	607.62	
235	529.12	556.04	
240	473.86	498.07	
245	415.20	436.55	
250	355.98	374.46	
255	298.99	314.75	
260	246.69	260.02	
265	200.94	212.20	
270	162.58	172.20	
275	131.31	139.72	
280	105.78	113.36	
285	84.19	91.25	
290	65.00	71.91	
295	47.50	54.78	
300	31.78	40.34	
305	18.51	29.86	
310	8.60	24.39	
315	3.71	22.99	
320	4.51	23.15	
325	5.91	23.49	
330	7.91	24.13	
335	10.74	25.31	
340	12.83	26.36	
345	12.18	26.02	
350	7.13	23.86	
355	5.47	23.38	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission