WJAS PITTSBURGH, PA BMML-20100628BYV 1320 kHz

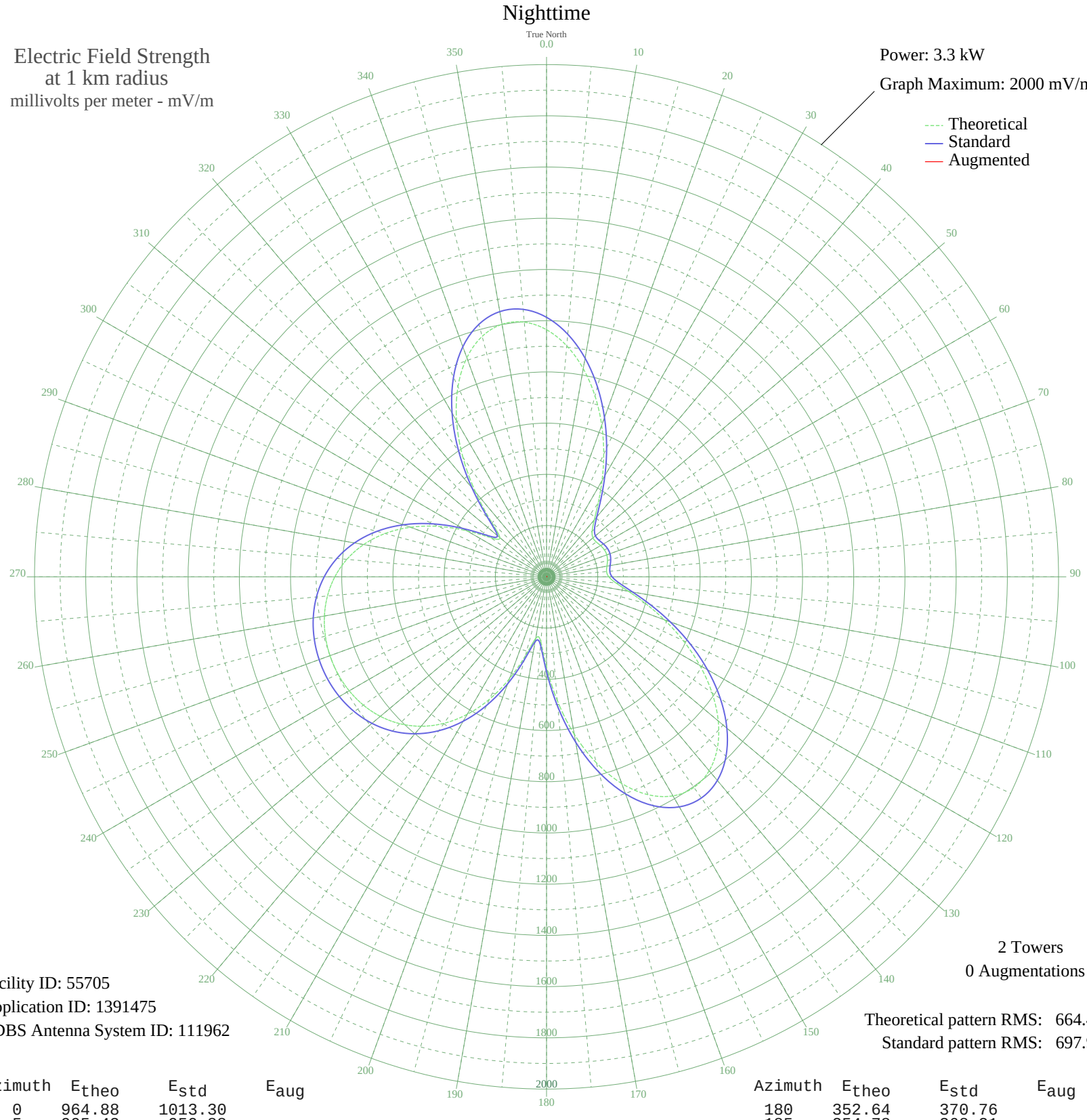
Nighttime

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

Power: 3.3 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



2 Towers
0 Augmentations

Facility ID: 55705
Application ID: 1391475
CDBS Antenna System ID: 111962

Theoretical pattern RMS: 664.48
Standard pattern RMS: 697.96

Azimuth	E_{theo}	E_{std}	E_{aug}
0	964.88	1013.30	
5	905.42	950.88	
10	825.40	866.88	
15	731.30	768.11	
20	630.03	661.81	
25	528.52	555.28	
30	433.60	455.69	
35	351.96	370.05	
40	289.89	304.98	
45	251.75	265.03	
50	236.61	249.18	
55	237.10	249.69	
60	243.70	256.60	
65	249.34	262.50	
70	250.41	263.63	
75	246.35	259.37	
80	239.48	252.18	
85	235.48	247.99	
90	243.23	256.10	
95	271.65	285.88	
100	324.46	341.22	
105	398.98	419.37	
110	489.39	514.21	
115	589.07	618.82	
120	691.26	726.08	
125	789.07	828.74	
130	875.53	919.51	
135	943.95	991.33	
140	988.31	1037.91	
145	1003.88	1054.25	
150	987.63	1037.19	
155	938.73	985.85	
160	858.73	901.87	
165	751.69	789.51	
170	624.24	655.73	
175	486.07	510.73	

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.

25 Apr 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	352.64	370.76	
185	254.78	268.21	
190	243.93	256.84	
195	318.65	335.13	
200	423.13	444.69	
205	527.09	553.78	
210	619.97	651.25	
215	698.33	733.49	
220	761.65	799.97	
225	810.87	851.63	
230	847.53	890.11	
235	873.39	917.26	
240	890.04	934.74	
245	898.72	943.85	
250	900.14	945.34	
255	894.42	939.33	
260	881.08	925.33	
265	859.07	902.23	
270	826.94	868.50	
275	782.95	822.32	
280	725.43	761.94	
285	653.13	686.05	
290	565.86	594.46	
295	465.61	489.27	
300	359.25	377.69	
305	266.84	280.84	
310	237.65	250.27	
315	306.58	322.47	
320	430.92	452.87	
325	569.57	598.36	
330	702.70	738.08	
335	818.85	860.00	
340	910.29	956.00	
345	971.96	1020.74	
350	1001.30	1051.54	
355	998.21	1048.30	