

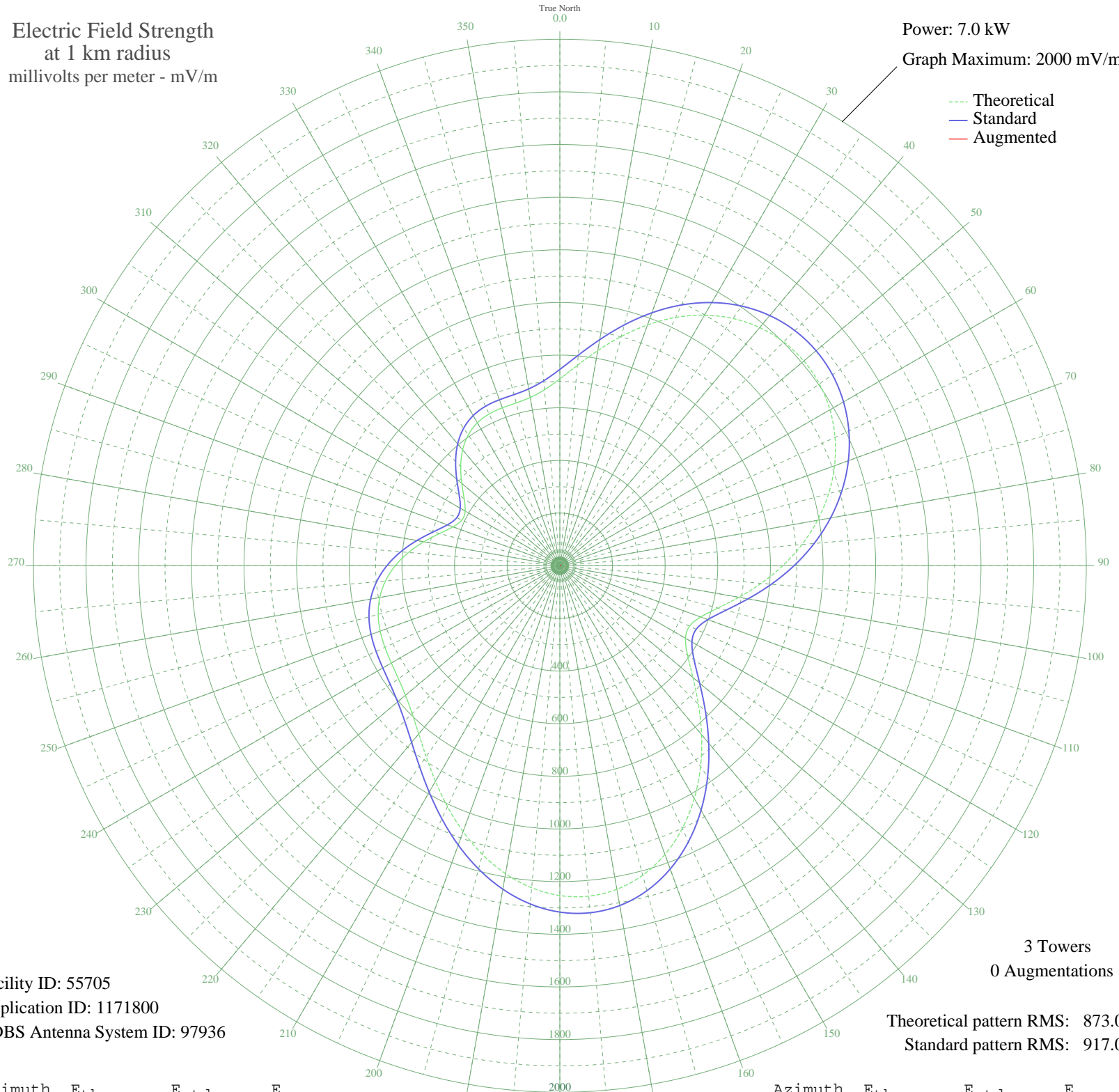
WJAS PITTSBURGH, PA BP-20070208ABM 1320 kHz

Daytime

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

Power: 7.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 55705
Application ID: 1171800
CDBS Antenna System ID: 97936

3 Towers
0 Augmentations

Theoretical pattern RMS: 873.00
Standard pattern RMS: 917.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	709.67	745.67	
5	764.07	802.75	
10	829.98	871.93	
15	901.69	947.18	
20	973.47	1022.52	
25	1040.48	1092.86	
30	1099.01	1154.29	
35	1146.46	1204.11	
40	1181.23	1240.61	
45	1202.49	1262.92	
50	1210.01	1270.82	
55	1204.01	1264.52	
60	1184.97	1244.53	
65	1153.58	1211.58	
70	1110.64	1166.50	
75	1057.11	1110.31	
80	994.16	1044.24	
85	923.36	969.92	
90	846.85	889.63	
95	767.73	806.59	
100	690.47	725.52	
105	621.48	653.15	
110	569.34	598.46	
115	543.63	571.49	
120	551.23	579.46	
125	592.15	622.38	
130	659.67	693.21	
135	744.42	782.14	
140	837.59	879.90	
145	931.87	978.85	
150	1021.32	1072.75	
155	1101.10	1156.49	
160	1167.29	1225.97	
165	1216.93	1278.08	
170	1248.10	1310.80	
175	1259.98	1323.27	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1252.84	1315.78	
185	1228.05	1289.76	
190	1187.93	1247.64	
195	1135.60	1192.70	
200	1074.83	1128.91	
205	1009.88	1060.74	
210	945.24	992.89	
215	885.30	929.98	
220	833.93	876.07	
225	793.79	833.95	
230	765.75	804.52	
235	748.57	786.49	
240	739.15	776.60	
245	733.25	770.41	
250	726.38	763.20	
255	714.53	750.77	
260	694.67	729.93	
265	665.05	698.85	
270	625.43	657.29	
275	577.35	606.85	
280	524.48	551.40	
285	473.04	497.47	
290	431.87	454.32	
295	410.69	432.12	
300	415.41	437.07	
305	443.68	466.69	
310	486.29	511.36	
315	532.70	560.02	
320	574.50	603.87	
325	606.49	637.42	
330	626.62	658.54	
335	635.96	668.33	
340	638.41	670.91	
345	640.28	672.86	
350	648.98	682.00	
355	671.01	705.11	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission