

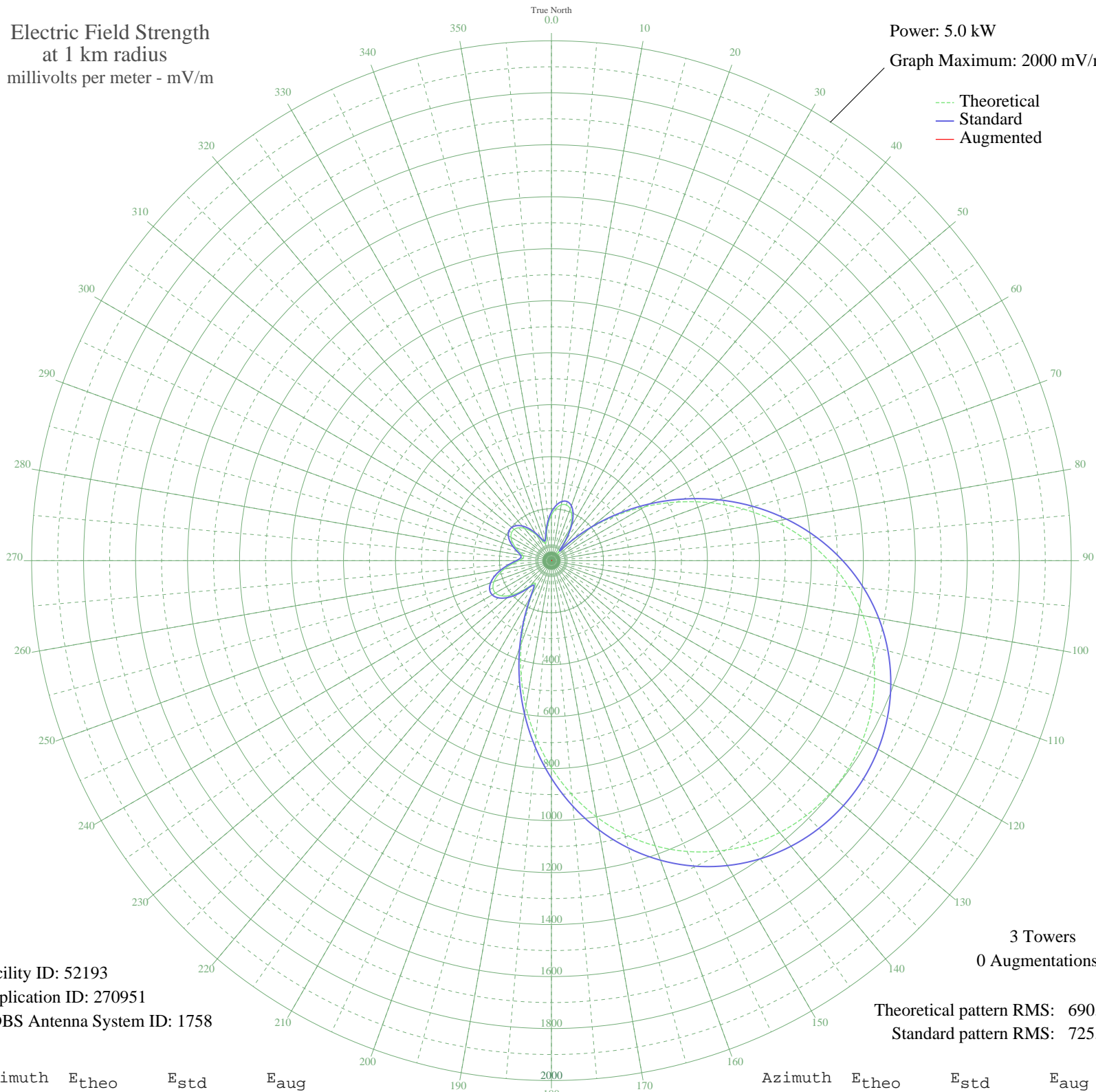
WFIL PHILADELPHIA, PA BL-19980715AC 560 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 52193  
Application ID: 270951  
CDBS Antenna System ID: 1758

3 Towers  
0 Augmentations

Theoretical pattern RMS: 690.09  
Standard pattern RMS: 725.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	175.15	186.65	
5	201.53	213.99	
10	218.05	231.16	
15	222.06	235.33	
20	211.53	224.38	
25	185.18	197.03	
30	142.64	153.13	
35	85.46	95.22	
40	33.64	47.58	
45	92.95	102.67	
50	190.93	202.99	
55	299.97	316.57	
60	415.34	437.27	
65	533.52	561.10	
70	651.32	684.62	
75	765.83	804.75	
80	874.55	918.83	
85	975.46	1024.72	
90	1066.97	1120.78	
95	1148.01	1205.83	
100	1217.88	1279.18	
105	1276.25	1340.44	
110	1323.02	1389.54	
115	1358.26	1426.52	
120	1382.10	1451.55	
125	1394.69	1464.77	
130	1396.12	1466.28	
135	1386.42	1456.09	
140	1365.50	1434.13	
145	1333.26	1400.28	
150	1289.54	1354.40	
155	1234.28	1296.39	
160	1167.52	1226.31	
165	1089.56	1144.48	
170	1000.99	1051.52	
175	902.83	948.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	796.59	837.03	
185	684.27	719.19	
190	568.42	597.70	
195	452.20	475.88	
200	339.47	357.86	
205	235.52	249.34	
210	150.06	160.75	
215	106.86	116.65	
220	125.36	135.43	
225	168.76	180.05	
230	208.28	221.00	
235	235.59	249.41	
240	248.74	263.11	
245	248.07	262.42	
250	235.18	248.99	
255	212.55	225.44	
260	183.49	195.29	
265	152.36	163.12	
270	125.11	135.17	
275	109.44	119.25	
280	110.75	120.58	
285	125.71	135.79	
290	146.03	156.61	
295	165.26	176.43	
300	179.70	191.36	
305	187.33	199.26	
310	187.15	199.08	
315	178.88	190.51	
320	162.85	173.93	
325	140.09	150.50	
330	112.79	122.64	
335	85.68	95.44	
340	69.74	79.86	
345	78.77	88.64	
350	107.52	117.31	
355	142.28	152.76	

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