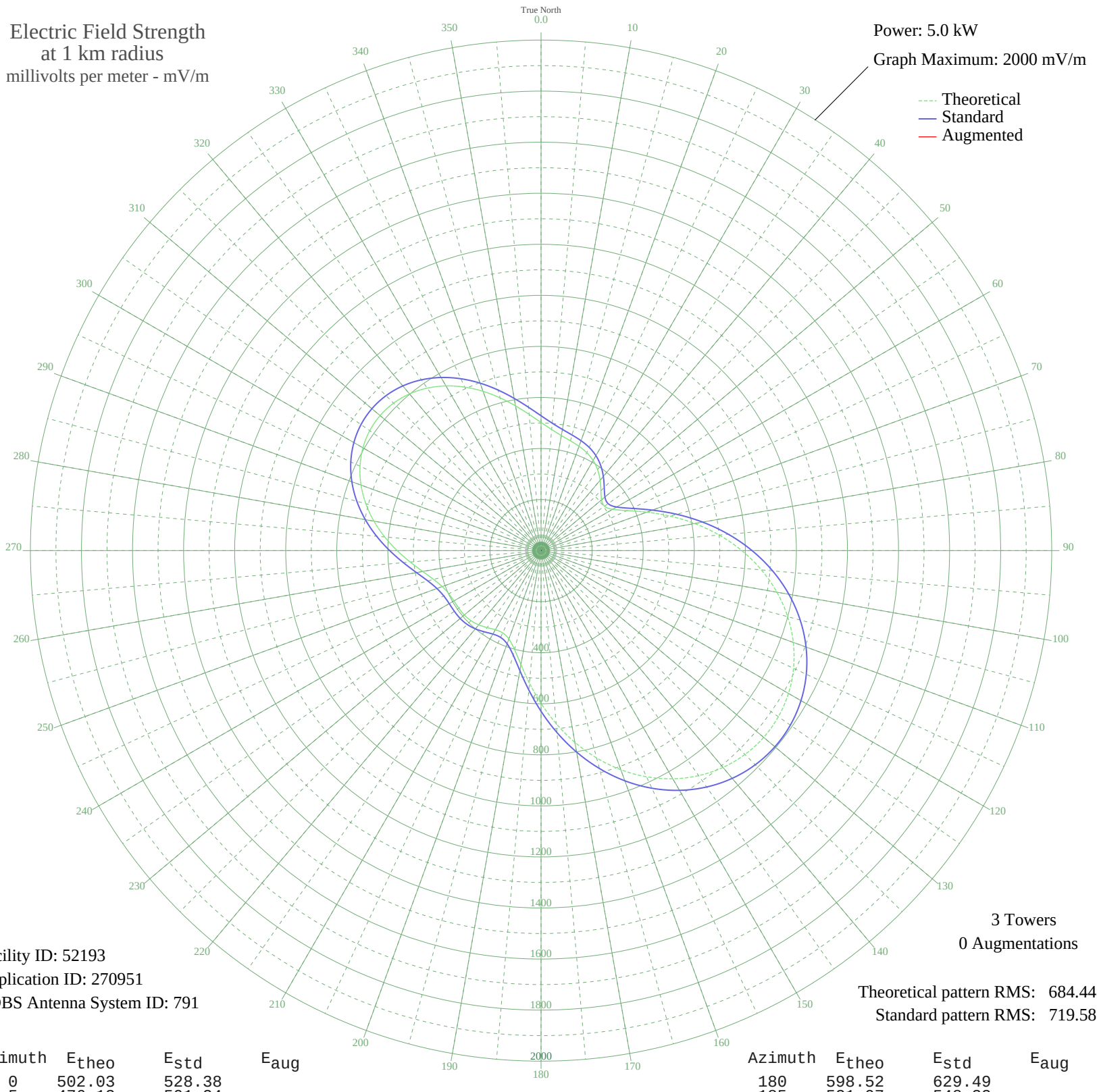
WFIL PHILADELPHIA, PA BL-19980715AC 560 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 52193
Application ID: 270951
CDBS Antenna System ID: 791

Theoretical pattern RMS: 684.44
Standard pattern RMS: 719.58

Azimuth	E_{theo}	E_{std}	E_{aug}
0	502.03	528.38	
5	476.13	501.24	
10	457.83	482.09	
15	445.19	468.86	
20	434.94	458.12	
25	423.45	446.10	
30	407.74	429.65	
35	386.26	407.19	
40	359.65	379.36	
45	331.48	349.94	
50	309.15	326.63	
55	303.34	320.56	
60	323.49	341.59	
65	371.21	391.45	
70	440.38	463.82	
75	522.72	550.05	
80	611.15	642.73	
85	700.34	736.25	
90	786.37	826.48	
95	866.31	910.35	
100	938.05	985.62	
105	1000.07	1050.70	
110	1051.30	1104.46	
115	1091.06	1146.19	
120	1118.92	1175.42	
125	1134.64	1191.92	
130	1138.14	1195.59	
135	1129.43	1186.46	
140	1108.66	1164.65	
145	1076.08	1130.47	
150	1032.15	1084.36	
155	977.56	1027.08	
160	913.34	959.69	
165	840.96	883.75	
170	762.43	801.37	
175	680.45	715.39	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	598.52	629.49	
185	521.07	548.32	
190	453.39	477.44	
195	401.11	422.72	
200	368.41	388.52	
205	355.55	375.08	
210	357.87	377.51	
215	368.07	388.17	
220	379.51	400.13	
225	388.04	409.05	
230	392.25	413.46	
235	393.24	414.49	
240	394.04	415.33	
245	398.89	420.40	
250	411.94	434.05	
255	435.79	459.01	
260	470.59	495.45	
265	514.27	541.20	
270	563.52	592.80	
275	614.73	646.48	
280	664.64	698.81	
285	710.53	746.93	
290	750.27	788.61	
295	782.28	822.19	
300	805.46	846.51	
305	819.12	860.85	
310	822.94	864.85	
315	816.93	858.54	
320	801.41	842.26	
325	777.07	816.73	
330	744.99	783.08	
335	706.63	742.85	
340	663.96	698.10	
345	619.38	651.36	
350	575.67	605.53	
355	535.71	563.66	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission