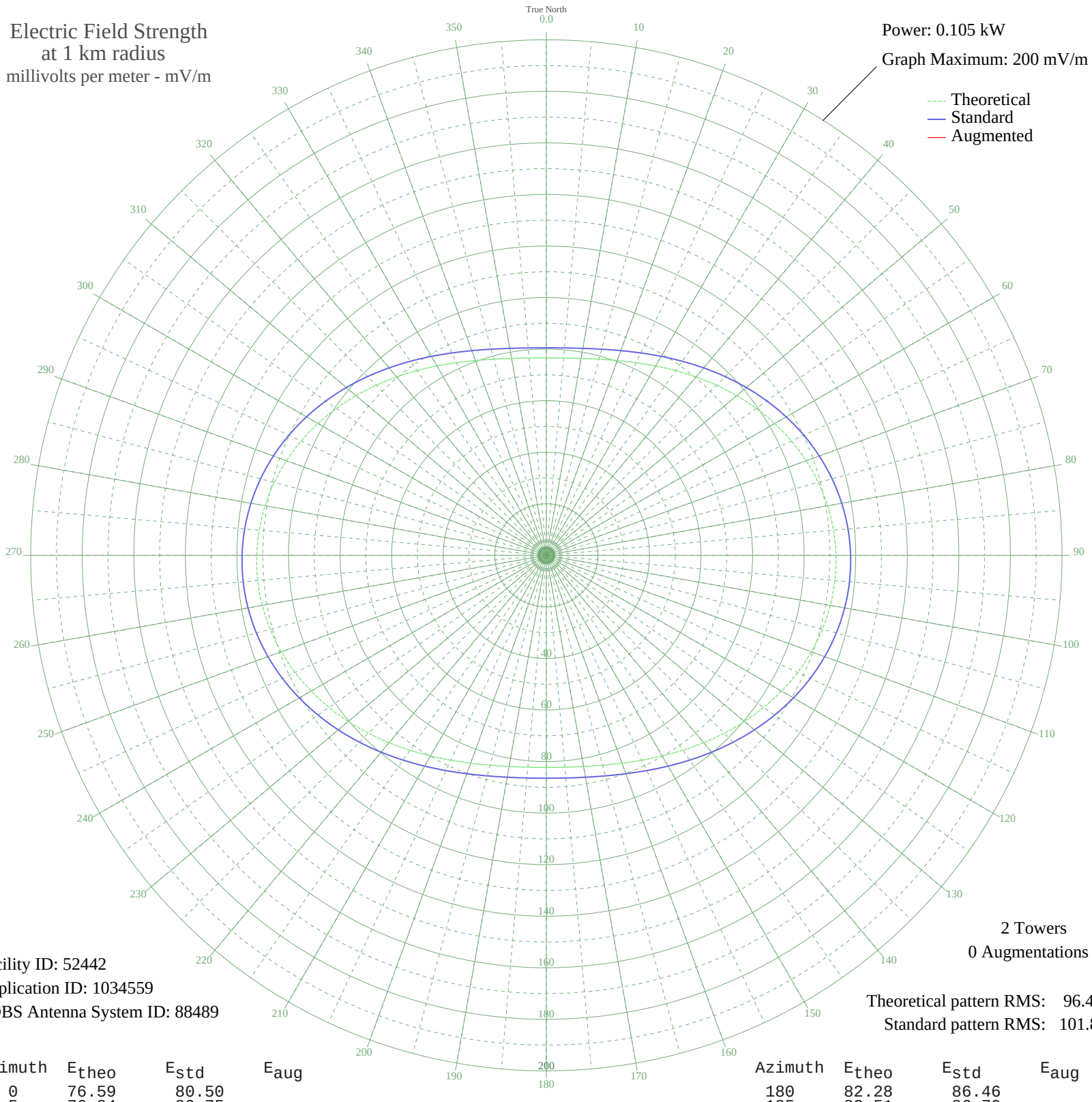
WURD PHILADELPHIA, PA BL-20041122AJS 900 kHz

Nighttime

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



Power: 0.105 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 52442
Application ID: 1034559
CDBS Antenna System ID: 88489

Theoretical pattern RMS: 96.40
Standard pattern RMS: 101.80

Azimuth	E_{theo}	E_{std}	E_{aug}
0	76.59	80.50	
5	76.84	80.75	
10	77.57	81.52	
15	78.77	82.78	
20	80.40	84.49	
25	82.44	86.62	
30	84.81	89.12	
35	87.47	91.91	
40	90.34	94.92	
45	93.34	98.06	
50	96.38	101.26	
55	99.38	104.41	
60	102.25	107.42	
65	104.90	110.20	
70	107.24	112.66	
75	109.22	114.73	
80	110.75	116.34	
85	111.80	117.44	
90	112.34	118.01	
95	112.35	118.02	
100	111.84	117.49	
105	110.84	116.43	
110	109.38	114.90	
115	107.52	112.95	
120	105.33	110.65	
125	102.88	108.08	
130	100.27	105.34	
135	97.58	102.51	
140	94.89	99.69	
145	92.29	96.97	
150	89.87	94.42	
155	87.69	92.14	
160	85.81	90.17	
165	84.30	88.58	
170	83.19	87.41	
175	82.51	86.70	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	82.28	86.46	
185	82.51	86.70	
190	83.19	87.41	
195	84.30	88.58	
200	85.81	90.17	
205	87.69	92.14	
210	89.87	94.42	
215	92.29	96.97	
220	94.89	99.69	
225	97.58	102.51	
230	100.27	105.34	
235	102.88	108.08	
240	105.33	110.65	
245	107.52	112.95	
250	109.38	114.90	
255	110.84	116.43	
260	111.84	117.49	
265	112.35	118.02	
270	112.34	118.01	
275	111.80	117.44	
280	110.75	116.34	
285	109.22	114.73	
290	107.24	112.66	
295	104.90	110.20	
300	102.25	107.42	
305	99.38	104.41	
310	96.38	101.26	
315	93.34	98.06	
320	90.34	94.92	
325	87.47	91.91	
330	84.81	89.12	
335	82.44	86.62	
340	80.40	84.49	
345	78.77	82.78	
350	77.57	81.52	
355	76.84	80.75	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission