

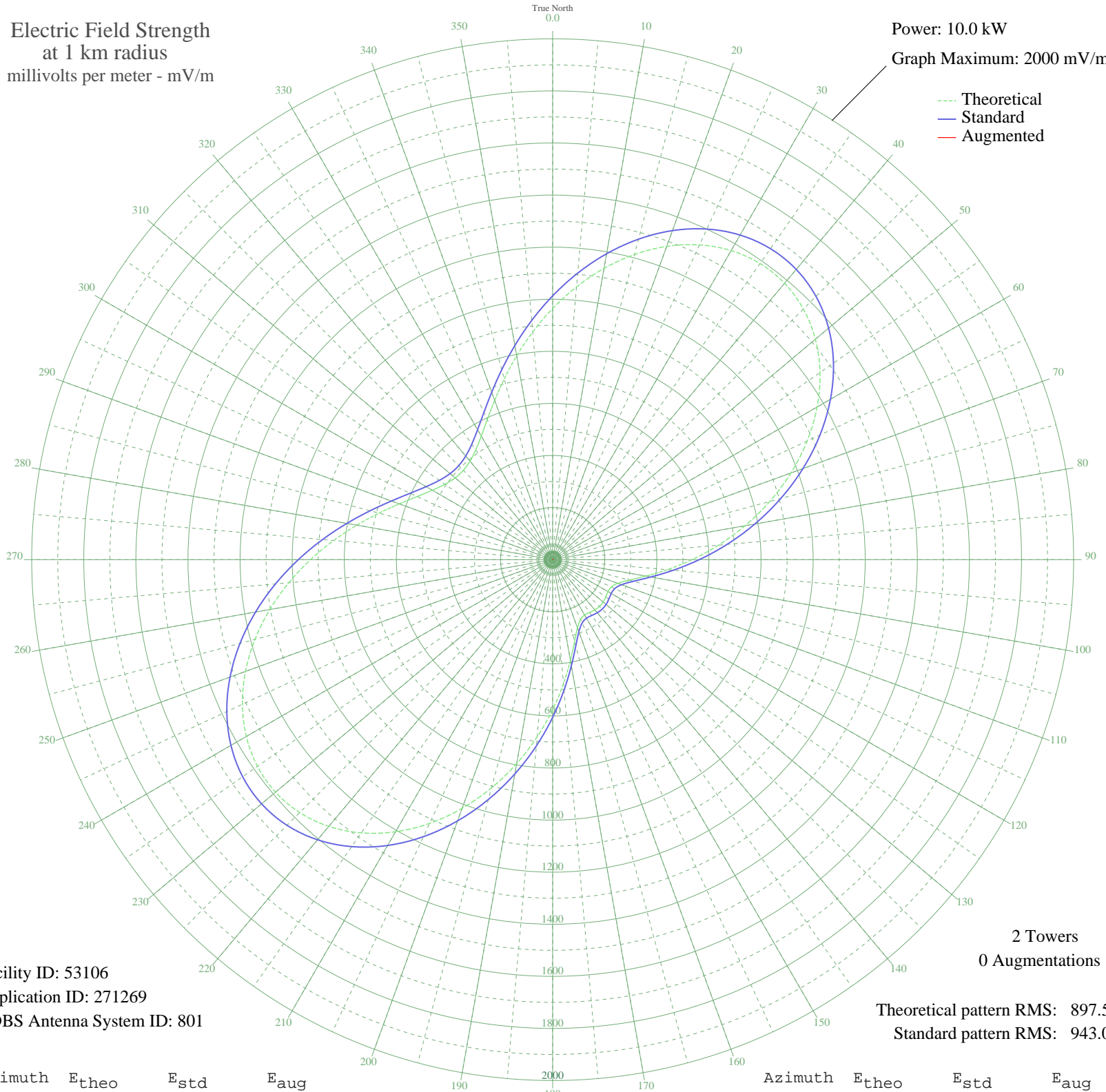
WKNV FAIRLAWN, VA BL-19980723AA 890 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 53106  
Application ID: 271269  
CDBS Antenna System ID: 801

2 Towers  
0 Augmentations

Theoretical pattern RMS: 897.59  
Standard pattern RMS: 943.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	964.25	1013.01	
5	1051.40	1104.47	
10	1135.56	1192.80	
15	1213.04	1274.13	
20	1280.21	1344.63	
25	1333.64	1400.72	
30	1370.36	1439.26	
35	1388.05	1457.83	
40	1385.20	1454.84	
45	1361.29	1429.74	
50	1316.74	1382.98	
55	1253.01	1316.08	
60	1172.40	1231.47	
65	1077.99	1132.37	
70	973.40	1022.61	
75	862.63	906.37	
80	749.85	788.04	
85	639.29	672.08	
90	535.17	562.91	
95	441.75	465.02	
100	363.30	382.91	
105	303.91	320.82	
110	266.07	281.34	
115	248.51	263.04	
120	245.34	259.73	
125	248.87	263.41	
130	252.92	267.63	
135	254.06	268.82	
140	251.52	266.17	
145	247.10	261.57	
150	245.38	259.78	
155	253.39	268.13	
160	278.59	294.40	
165	325.16	343.03	
170	392.61	413.57	
175	477.56	502.54	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	575.78	605.48	
185	682.98	717.89	
190	794.93	835.34	
195	907.41	953.36	
200	1016.20	1067.53	
205	1117.18	1173.51	
210	1206.48	1267.24	
215	1280.67	1345.12	
220	1336.97	1404.21	
225	1373.38	1442.43	
230	1388.86	1458.68	
235	1383.37	1452.92	
240	1357.84	1426.12	
245	1314.12	1380.23	
250	1254.81	1317.97	
255	1183.09	1242.68	
260	1102.49	1158.09	
265	1016.70	1068.05	
270	929.36	976.39	
275	843.86	886.67	
280	763.25	802.10	
285	690.12	725.39	
290	626.50	658.66	
295	573.86	603.47	
300	533.11	560.75	
305	504.66	530.94	
310	488.62	514.12	
315	484.92	510.25	
320	493.55	519.29	
325	514.55	541.30	
330	547.95	576.30	
335	593.53	624.09	
340	650.70	684.04	
345	718.33	754.98	
350	794.73	835.13	
355	877.63	922.11	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission