

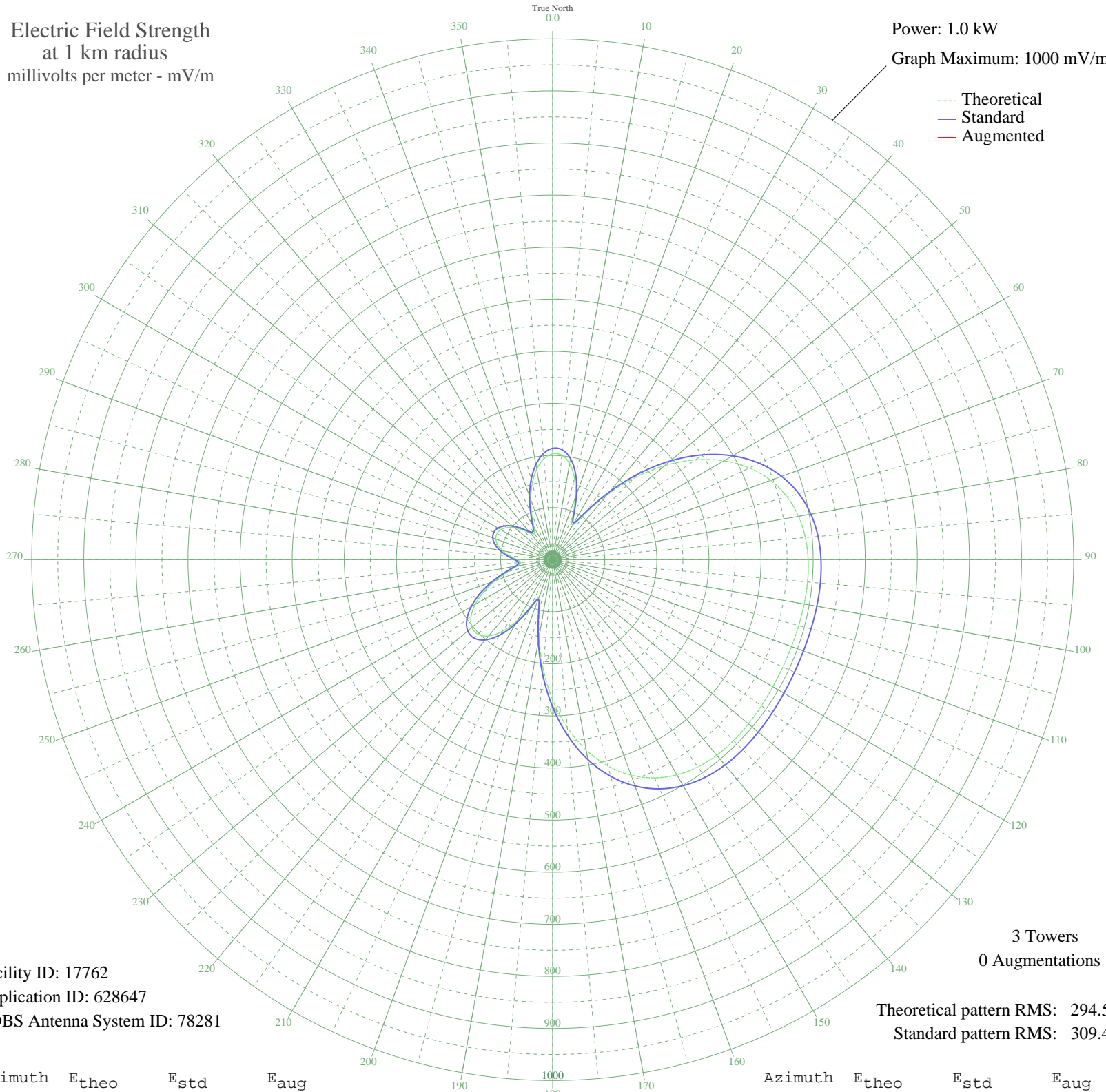
WDNC DURHAM, NC BL-20030131AKI 620 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 17762
Application ID: 628647
CDBS Antenna System ID: 78281

3 Towers
0 Augmentations

Theoretical pattern RMS: 294.51
Standard pattern RMS: 309.41

Azimuth	E _{theo}	E _{std}	E _{aug}
0	203.29	213.72	
5	201.31	211.64	
10	187.40	197.05	
15	161.91	170.33	
20	127.32	134.10	
25	91.34	96.48	
30	76.97	81.50	
35	107.21	113.06	
40	161.71	170.12	
45	221.99	233.32	
50	280.62	294.83	
55	333.84	350.69	
60	379.56	398.68	
65	416.76	437.72	
70	445.31	467.69	
75	465.78	489.18	
80	479.20	503.27	
85	486.94	511.39	
90	490.44	515.07	
95	491.12	515.79	
100	490.27	514.89	
105	488.93	513.48	
110	487.85	512.35	
115	487.51	511.99	
120	488.02	512.53	
125	489.19	513.76	
130	490.51	515.14	
135	491.15	515.81	
140	490.01	514.61	
145	485.78	510.17	
150	477.02	500.98	
155	462.28	485.51	
160	440.27	462.41	
165	410.02	430.65	
170	371.08	389.78	
175	323.75	340.10	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	269.23	282.89	
185	209.90	220.65	
190	149.99	157.84	
195	98.30	103.75	
200	76.37	80.87	
205	97.88	103.31	
210	134.72	141.85	
215	167.86	176.56	
220	191.14	200.97	
225	202.65	213.04	
230	202.32	212.70	
235	191.34	201.18	
240	171.68	180.57	
245	145.98	153.64	
250	117.36	123.68	
255	89.75	94.82	
260	68.74	72.94	
265	61.37	65.29	
270	68.72	72.92	
275	83.03	87.81	
280	97.54	102.95	
285	109.02	114.96	
290	116.09	122.35	
295	118.15	124.50	
300	115.07	121.27	
305	107.05	112.89	
310	94.81	100.11	
315	80.00	84.65	
320	66.41	70.52	
325	61.53	65.45	
330	72.07	76.40	
335	94.96	100.26	
340	123.15	129.73	
345	151.46	159.38	
350	176.19	185.30	
355	194.30	204.29	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission