

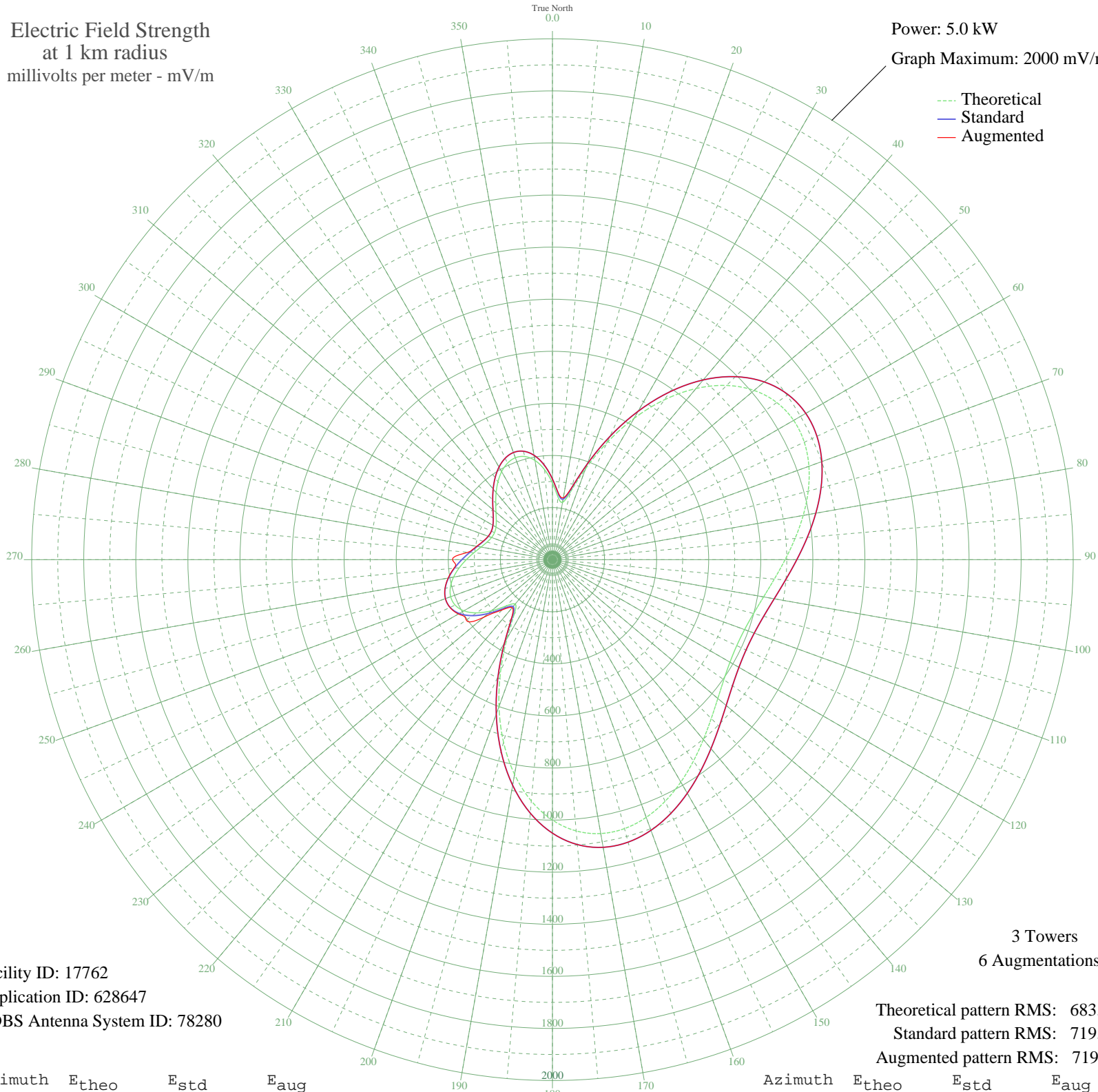
WDNC DURHAM, NC BL-20030131AKI 620 kHz

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



Facility ID: 17762
Application ID: 628647
CDBS Antenna System ID: 78280

3 Towers
6 Augmentations

Theoretical pattern RMS: 683.97
Standard pattern RMS: 719.34
Augmented pattern RMS: 719.34

Azimuth	E _{theo}	E _{std}	E _{aug}
0	294.12	309.72	309.72
5	242.13	255.32	257.22
10	223.43	235.78	241.40
15	270.75	285.26	286.96
20	371.41	390.69	390.69
25	496.17	521.51	521.51
30	626.07	657.79	657.79
35	749.31	787.13	787.13
40	857.79	900.99	900.99
45	946.06	993.64	993.64
50	1011.05	1061.86	1061.86
55	1051.91	1104.75	1104.75
60	1069.75	1123.48	1123.48
65	1067.25	1120.86	1120.86
70	1048.16	1100.82	1100.82
75	1016.87	1067.97	1067.97
80	977.88	1027.04	1027.04
85	935.50	982.56	982.56
90	893.59	938.56	938.56
95	855.36	898.44	898.44
100	823.40	864.89	864.89
105	799.60	839.90	839.90
110	785.25	824.85	824.85
115	781.09	820.48	820.48
120	787.32	827.02	827.02
125	803.63	844.14	844.14
130	829.19	870.97	870.97
135	862.58	906.01	906.01
140	901.77	947.15	947.15
145	944.05	991.53	991.53
150	986.08	1035.65	1035.65
155	1023.88	1075.33	1075.33
160	1053.10	1106.01	1106.01
165	1069.21	1122.91	1122.91
170	1067.91	1121.56	1121.56
175	1045.64	1098.17	1098.17

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	999.98	1050.24	1050.24
185	930.20	977.00	977.00
190	837.58	879.77	879.77
195	725.63	762.27	762.27
200	600.31	630.76	630.76
205	470.34	494.41	494.41
210	348.56	366.74	367.77
215	256.01	269.83	273.84
220	222.43	234.73	240.48
225	251.21	264.82	272.49
230	305.28	321.40	343.78
235	356.22	374.77	404.21
240	392.92	413.24	417.08
245	412.52	433.78	434.15
250	415.88	437.30	437.36
255	405.70	426.63	427.08
260	385.56	405.52	406.66
265	359.31	378.01	379.88
270	330.64	347.96	384.00
275	302.82	318.83	325.30
280	278.61	293.48	295.41
285	260.09	274.10	275.18
290	248.75	262.24	262.52
295	245.44	258.78	258.78
300	250.40	263.96	263.96
305	263.26	277.42	277.42
310	283.05	298.13	298.13
315	308.18	324.44	324.44
320	336.40	354.00	354.00
325	364.87	383.83	383.83
330	390.20	410.38	410.38
335	408.65	429.73	429.73
340	416.39	437.84	437.84
345	409.96	431.10	431.10
350	386.93	406.96	406.96
355	346.98	365.08	365.08