

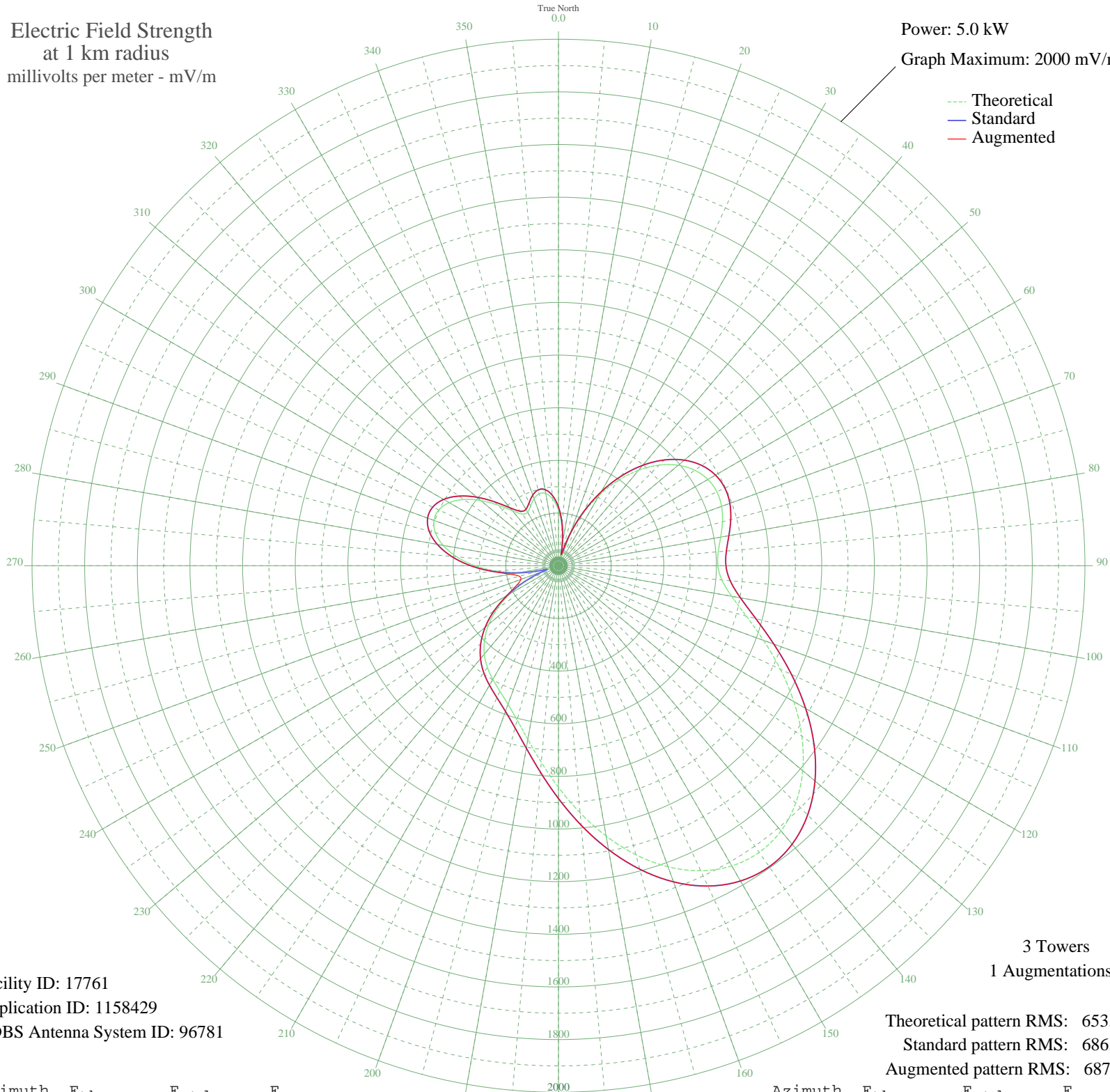
WRJD DURHAM, NC BL-20060313AFE 1410 kHz

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: 17761  
Application ID: 1158429  
CDBS Antenna System ID: 96781

Theoretical pattern RMS: 653.35  
Standard pattern RMS: 686.42  
Augmented pattern RMS: 687.04

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	211.06	222.85	222.85
5	149.78	159.01	159.01
10	76.60	83.78	83.78
15	40.36	48.45	48.45
20	120.09	128.26	128.26
25	214.29	226.23	226.23
30	307.58	323.81	323.81
35	395.18	415.60	415.60
40	473.71	497.95	497.95
45	540.55	568.06	568.06
50	593.80	623.93	623.93
55	632.27	664.30	664.30
60	655.51	688.69	688.69
65	664.01	697.61	697.61
70	659.40	692.77	692.77
75	644.87	677.52	677.52
80	625.66	657.36	657.36
85	609.37	640.27	640.27
90	605.53	636.24	636.24
95	623.34	654.93	654.93
100	668.08	701.88	701.88
105	738.69	775.98	775.98
110	828.84	870.60	870.60
115	929.76	976.53	976.53
120	1032.42	1084.29	1084.29
125	1128.60	1185.26	1185.26
130	1211.29	1272.07	1272.07
135	1274.81	1338.75	1338.75
140	1314.99	1380.94	1380.94
145	1329.26	1395.93	1395.93
150	1316.78	1382.82	1382.82
155	1278.45	1342.58	1342.58
160	1216.92	1277.98	1277.98
165	1136.42	1193.47	1193.47
170	1042.58	1094.97	1094.97
175	942.05	989.43	989.43

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	841.97	884.38	884.38
185	749.32	787.14	787.14
190	669.88	703.77	703.77
195	606.98	637.76	637.76
200	560.38	588.87	588.87
205	526.28	553.10	553.10
210	498.62	524.07	524.07
215	471.01	495.12	495.12
220	438.28	460.80	460.80
225	396.99	417.50	417.50
230	345.40	363.43	363.43
235	283.21	298.30	298.30
240	211.31	223.11	226.94
245	131.90	140.48	175.14
250	52.85	60.26	152.14
255	62.60	69.80	154.09
260	147.97	157.13	185.31
265	235.30	248.17	250.33
270	316.74	333.41	333.41
275	387.83	407.90	407.90
280	444.67	467.50	467.50
285	483.97	508.71	508.71
290	503.30	528.99	528.99
295	501.52	527.12	527.12
300	479.13	503.63	503.63
305	438.62	461.15	461.15
310	384.93	404.86	404.86
315	325.92	343.02	343.02
320	272.96	287.57	287.57
325	239.77	252.85	252.85
330	234.55	247.39	247.39
335	250.32	263.88	263.88
340	270.95	285.47	285.47
345	282.99	298.07	298.07
350	278.71	293.58	293.58
355	254.78	268.55	268.55