

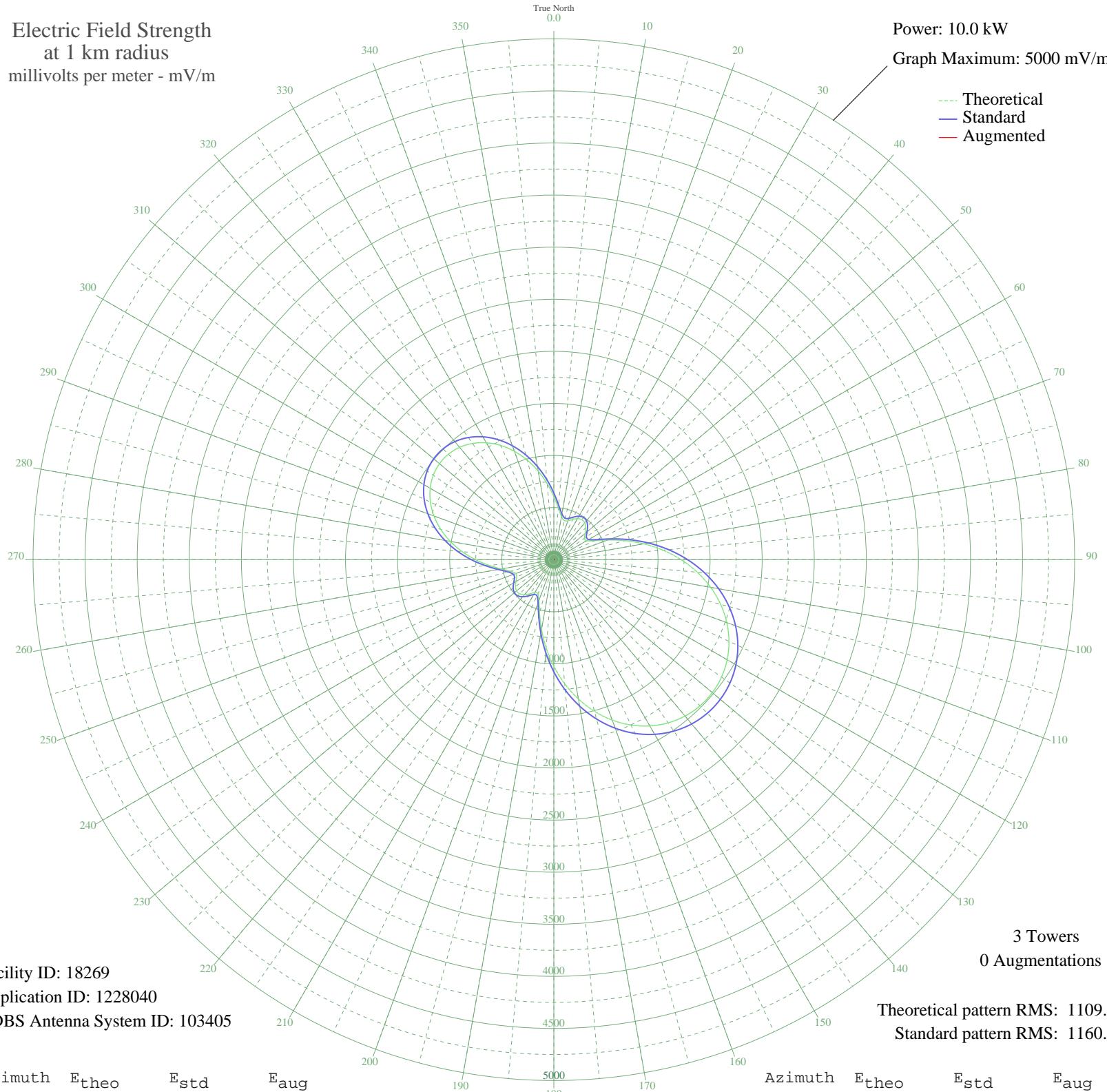
WETC WENDELL-ZEBULON, NC BP-20080602BEY 540 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 18269
Application ID: 1228040
CDBS Antenna System ID: 103405

3 Towers
0 Augmentations

Theoretical pattern RMS: 1109.42
Standard pattern RMS: 1160.72

Azimuth	E _{theo}	E _{std}	E _{aug}
0	606.98	639.93	
5	498.21	526.30	
10	421.50	446.31	
15	389.10	412.61	
20	397.43	421.27	
25	426.41	451.43	
30	454.74	480.94	
35	468.46	495.26	
40	461.19	487.67	
45	433.17	458.48	
50	392.53	416.17	
55	358.92	381.25	
60	364.06	386.59	
65	430.95	456.16	
70	552.00	582.47	
75	706.17	743.72	
80	876.40	922.02	
85	1051.00	1105.05	
90	1221.73	1284.11	
95	1382.55	1452.83	
100	1529.04	1606.53	
105	1658.01	1741.86	
110	1767.25	1856.51	
115	1855.36	1948.98	
120	1921.47	2018.37	
125	1965.12	2064.18	
130	1986.09	2086.19	
135	1984.29	2084.30	
140	1959.73	2058.53	
145	1912.52	2008.97	
150	1842.91	1935.91	
155	1751.41	1839.89	
160	1638.97	1721.88	
165	1507.11	1583.51	
170	1358.17	1427.25	
175	1195.54	1256.64	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1023.87	1076.62	
185	849.52	893.86	
190	681.18	717.56	
195	531.24	560.78	
200	417.69	442.36	
205	360.94	383.35	
210	363.86	386.39	
215	400.07	424.01	
220	439.26	464.81	
225	463.91	490.51	
230	467.35	494.10	
235	450.36	476.38	
240	420.44	445.21	
245	392.85	416.51	
250	389.74	413.27	
255	429.53	454.68	
260	512.60	541.31	
265	625.24	659.03	
270	752.53	792.26	
275	883.10	929.05	
280	1008.87	1060.88	
285	1124.06	1181.68	
290	1224.55	1287.07	
295	1307.40	1373.98	
300	1370.58	1440.26	
305	1412.76	1484.52	
310	1433.16	1505.92	
315	1431.41	1504.09	
320	1407.57	1479.07	
325	1362.03	1431.29	
330	1295.68	1361.68	
335	1209.94	1271.75	
340	1106.98	1163.76	
345	989.90	1040.99	
350	863.06	908.05	
355	732.58	771.37	

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