

WETC WENDELL-ZEBULON, NC BL-20010613AIE 540 kHz

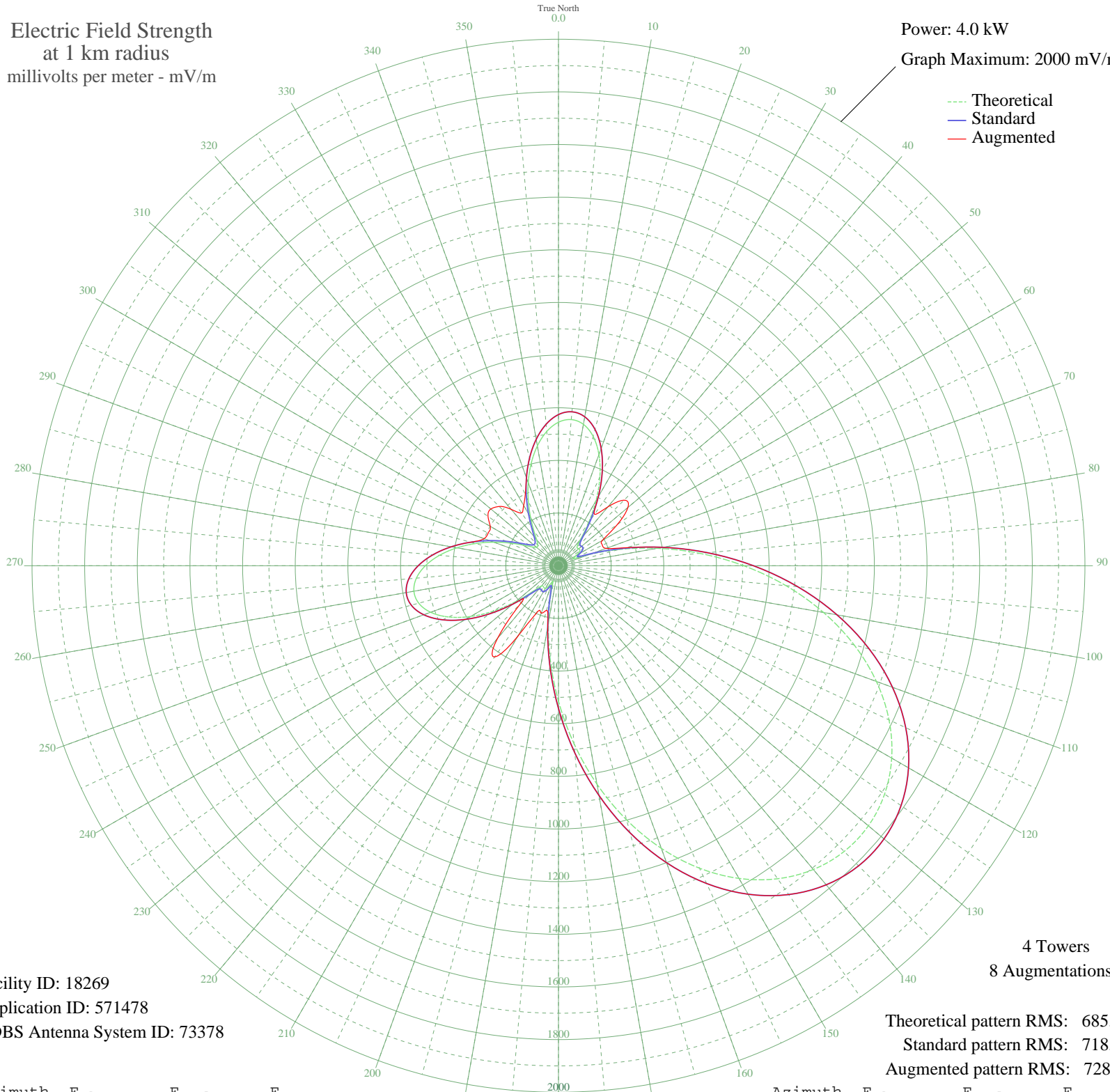
Daytime

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

Power: 4.0 kW

Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 18269  
Application ID: 571478  
CDBS Antenna System ID: 73378

Theoretical pattern RMS: 685.98  
Standard pattern RMS: 718.13  
Augmented pattern RMS: 728.52

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	545.16	574.23	574.23
5	557.31	586.96	586.96
10	545.43	574.52	574.52
15	508.79	536.18	536.18
20	449.37	474.05	474.05
25	372.10	393.37	393.37
30	284.91	302.62	302.62
35	199.04	213.92	238.44
40	130.53	144.47	291.57
45	99.25	113.78	352.23
50	100.32	114.81	344.29
55	99.18	113.72	273.01
60	78.68	94.40	192.67
65	62.35	79.83	184.00
70	123.50	137.48	192.58
75	238.70	254.77	263.63
80	381.09	402.75	402.75
85	539.23	568.03	568.03
90	704.05	740.66	740.66
95	867.45	911.96	911.96
100	1022.41	1074.50	1074.50
105	1163.19	1222.20	1222.20
110	1285.32	1350.36	1350.36
115	1385.57	1455.56	1455.56
120	1461.75	1535.51	1535.51
125	1512.47	1588.75	1588.75
130	1536.97	1614.46	1614.46
135	1534.90	1612.29	1612.29
140	1506.30	1582.28	1582.28
145	1451.57	1524.83	1524.83
150	1371.56	1440.86	1440.86
155	1267.77	1331.94	1331.94
160	1142.54	1200.53	1200.53
165	999.29	1050.24	1050.24
170	842.68	885.99	885.99
175	678.67	714.06	714.06

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.

06 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	514.47	542.12	542.12
185	358.33	379.01	379.01
190	219.53	234.98	234.98
195	110.41	124.60	175.15
200	61.89	79.43	191.35
205	82.63	98.05	198.40
210	99.65	114.17	309.83
215	98.39	112.95	423.26
220	100.43	114.92	360.74
225	139.08	153.01	205.70
230	212.11	227.35	227.35
235	299.35	317.61	317.61
240	385.77	407.62	407.62
245	460.75	485.94	485.94
250	516.86	544.62	544.62
255	549.66	578.95	578.95
260	557.64	587.30	587.30
265	541.88	570.81	570.81
270	505.65	532.90	532.90
275	453.74	478.61	478.61
280	391.83	413.95	413.95
285	325.87	345.19	345.19
290	261.58	278.43	300.71
295	204.10	219.11	294.48
300	157.65	171.72	299.17
305	125.45	139.41	326.78
310	109.54	123.75	335.40
315	110.86	125.04	318.40
320	129.33	143.27	279.58
325	163.86	178.01	244.46
330	212.21	227.45	264.45
335	271.00	288.19	298.53
340	335.84	355.57	355.57
345	401.49	424.03	424.03
350	462.16	487.41	487.41
355	511.91	539.44	539.44