

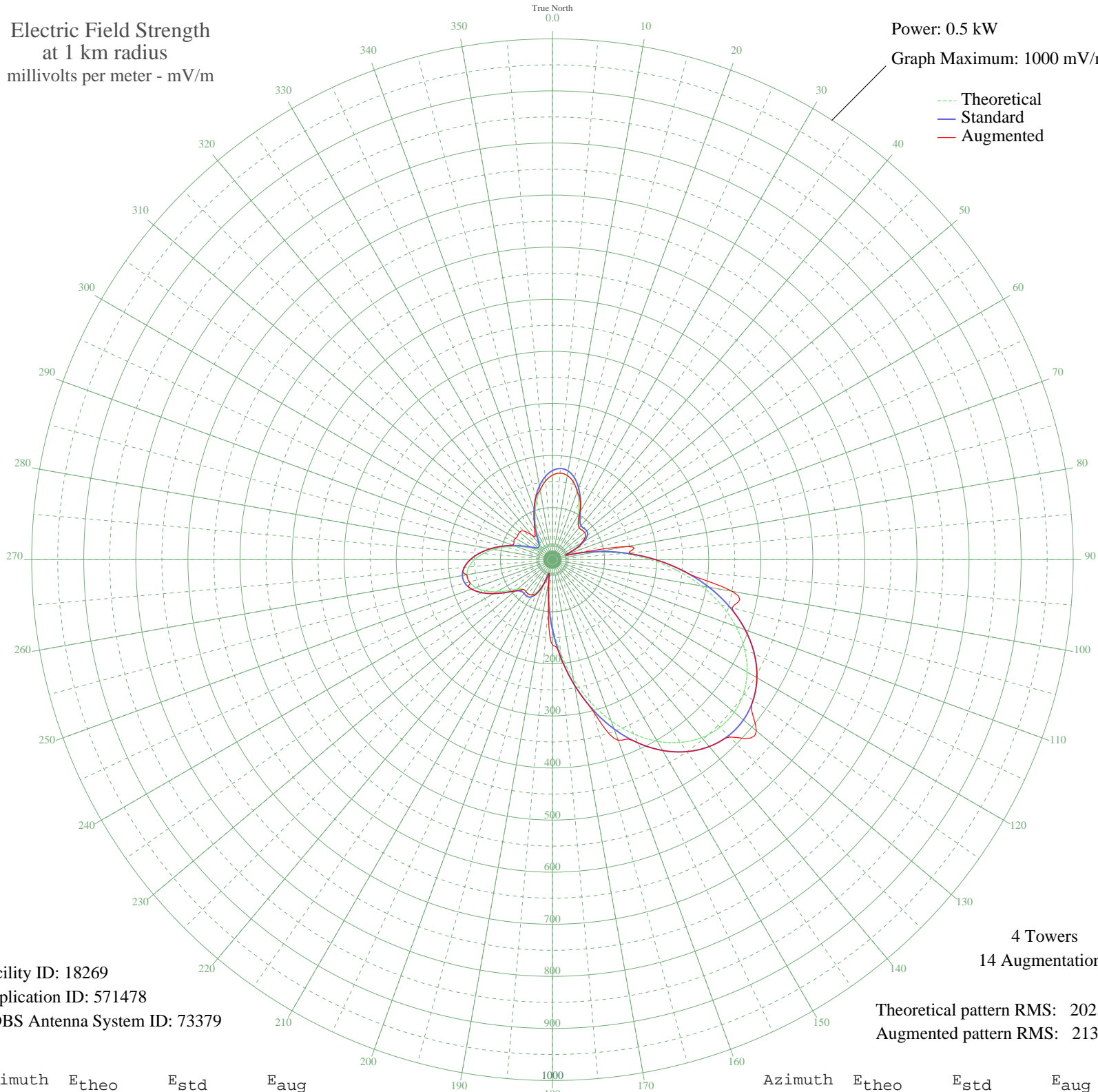
WETC WENDELL-ZEBULON, NC BL-20010613AIE 540 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 18269  
Application ID: 571478  
CDBS Antenna System ID: 73379

Theoretical pattern RMS: 202.04  
Augmented pattern RMS: 213.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	162.29	170.99	162.29
5	166.72	175.63	166.72
10	164.13	172.92	164.13
15	154.57	162.92	154.57
20	139.10	146.75	139.10
25	120.02	126.81	126.23
30	100.94	106.93	105.41
35	86.48	91.90	86.48
40	79.99	85.18	79.99
45	80.00	85.19	80.00
50	80.82	86.04	80.82
55	76.90	81.98	76.90
60	64.94	69.65	64.94
65	44.33	48.66	48.66
70	22.19	27.27	27.27
75	40.20	44.52	44.52
80	84.41	89.75	145.03
85	135.16	142.63	147.35
90	188.21	198.12	198.12
95	240.76	253.19	253.19
100	290.56	305.41	350.59
105	335.77	352.84	357.25
110	374.97	393.97	393.97
115	407.14	427.73	427.73
120	431.59	453.39	453.39
125	447.86	470.47	470.47
130	455.72	478.72	511.16
135	455.06	478.03	481.56
140	445.89	468.40	468.40
145	428.33	449.97	449.97
150	402.66	423.03	423.03
155	369.35	388.08	388.08
160	329.15	345.90	368.92
165	283.15	297.64	300.55
170	232.82	244.87	244.87
175	180.06	189.60	189.60

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	127.22	134.33	163.60
185	77.19	82.28	87.69
190	34.90	39.29	39.29
195	24.57	29.44	29.44
200	47.85	52.21	52.21
205	67.13	71.90	71.90
210	77.67	82.78	77.67
215	80.57	85.78	80.57
220	79.50	84.67	79.50
225	80.29	85.49	80.77
230	88.22	93.71	93.55
235	103.83	109.94	109.94
240	123.28	130.22	130.22
245	142.05	149.83	149.83
250	156.73	165.17	165.17
255	165.24	174.08	165.24
260	166.70	175.60	166.70
265	161.20	169.86	169.86
270	149.63	157.75	157.75
275	133.39	140.77	140.77
280	114.21	120.76	120.76
285	93.95	99.66	99.66
290	74.43	79.43	81.99
295	57.30	61.82	81.61
300	43.95	48.27	81.79
305	35.22	39.61	81.25
310	31.21	35.71	82.18
315	31.55	36.03	77.75
320	36.26	40.63	61.31
325	45.72	50.06	57.95
330	59.72	64.29	68.49
335	77.29	82.38	82.88
340	97.02	102.85	102.85
345	117.20	123.88	123.28
350	136.01	143.52	136.01
355	151.61	159.82	151.61