

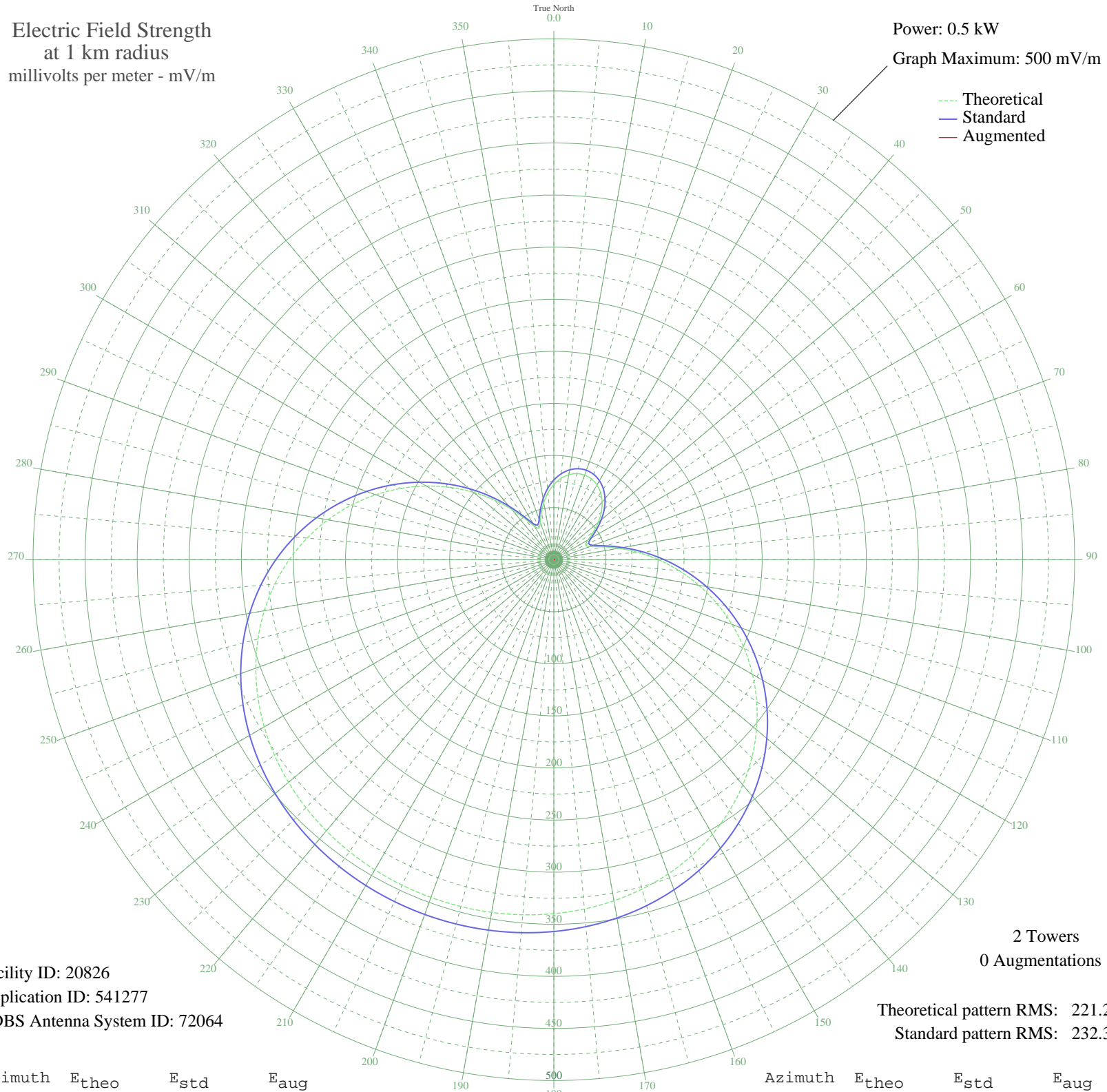
# WCTF VERNON, CT BML-20000519AEC 1170 kHz

## Critical Hours

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 20826  
Application ID: 541277  
CDBS Antenna System ID: 72064

Theoretical pattern RMS: 221.24  
Standard pattern RMS: 232.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	72.10	76.43	
5	78.26	82.84	
10	82.75	87.52	
15	85.48	90.37	
20	86.39	91.32	
25	85.48	90.37	
30	82.75	87.52	
35	78.26	82.84	
40	72.10	76.43	
45	64.44	68.47	
50	55.62	59.34	
55	46.31	49.75	
60	37.99	41.25	
65	33.69	36.90	
70	36.96	40.20	
75	47.66	51.13	
80	63.02	67.00	
85	80.98	85.68	
90	100.42	105.97	
95	120.69	127.15	
100	141.29	148.73	
105	161.86	170.27	
110	182.05	191.45	
115	201.60	211.94	
120	220.23	231.48	
125	237.75	249.86	
130	254.00	266.91	
135	268.85	282.49	
140	282.23	296.52	
145	294.10	308.99	
150	304.50	319.89	
155	313.45	329.29	
160	321.03	337.25	
165	327.35	343.88	
170	332.51	349.29	
175	336.63	353.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	339.81	356.96	
185	342.17	359.43	
190	343.79	361.13	
195	344.74	362.13	
200	345.05	362.45	
205	344.74	362.13	
210	343.79	361.13	
215	342.17	359.43	
220	339.81	356.96	
225	336.63	353.61	
230	332.51	349.29	
235	327.35	343.88	
240	321.03	337.25	
245	313.45	329.29	
250	304.50	319.89	
255	294.10	308.99	
260	282.23	296.52	
265	268.85	282.48	
270	254.00	266.91	
275	237.75	249.86	
280	220.23	231.48	
285	201.60	211.94	
290	182.05	191.45	
295	161.86	170.27	
300	141.29	148.73	
305	120.68	127.15	
310	100.42	105.97	
315	80.98	85.68	
320	63.02	67.00	
325	47.66	51.13	
330	36.96	40.20	
335	33.69	36.90	
340	37.99	41.25	
345	46.31	49.75	
350	55.62	59.34	
355	64.44	68.47	

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau  
Federal Communications Commission