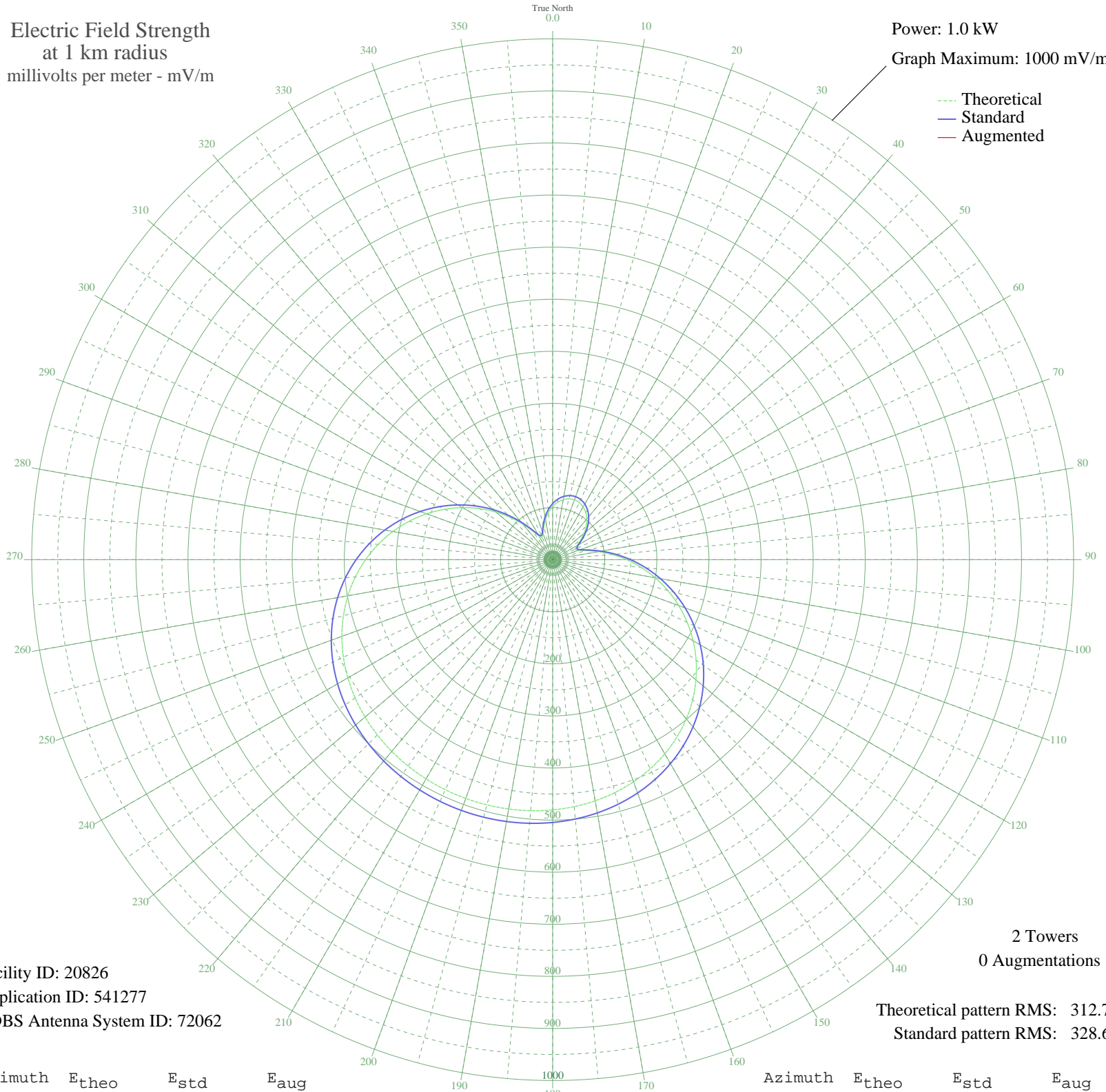


# WCTF VERNON, CT BML-20000519AEC 1170 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 20826  
Application ID: 541277  
CDBS Antenna System ID: 72062

2 Towers  
0 Augmentations

Theoretical pattern RMS: 312.79  
Standard pattern RMS: 328.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	101.93	107.55	
5	110.65	116.65	
10	117.00	123.30	
15	120.85	127.33	
20	122.15	128.68	
25	120.85	127.33	
30	117.00	123.30	
35	110.65	116.65	
40	101.93	107.55	
45	91.11	96.24	
50	78.63	83.23	
55	65.47	69.54	
60	53.71	57.37	
65	47.64	51.11	
70	52.25	55.86	
75	67.38	71.53	
80	89.10	94.15	
85	114.49	120.68	
90	141.98	149.45	
95	170.62	179.46	
100	199.76	210.01	
105	228.83	240.50	
110	257.39	270.46	
115	285.02	299.45	
120	311.37	327.10	
125	336.14	353.10	
130	359.11	377.21	
135	380.10	399.24	
140	399.01	419.09	
145	415.81	436.72	
150	430.50	452.14	
155	443.15	465.43	
160	453.88	476.68	
165	462.81	486.06	
170	470.10	493.72	
175	475.92	499.83	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	480.43	504.56	
185	483.76	508.06	
190	486.05	510.47	
195	487.39	511.87	
200	487.83	512.33	
205	487.39	511.87	
210	486.05	510.46	
215	483.76	508.06	
220	480.43	504.56	
225	475.92	499.83	
230	470.10	493.72	
235	462.81	486.06	
240	453.88	476.68	
245	443.15	465.43	
250	430.50	452.14	
255	415.81	436.72	
260	399.01	419.09	
265	380.10	399.24	
270	359.11	377.21	
275	336.14	353.10	
280	311.36	327.10	
285	285.02	299.45	
290	257.39	270.46	
295	228.83	240.50	
300	199.76	210.01	
305	170.62	179.46	
310	141.98	149.45	
315	114.49	120.68	
320	89.10	94.15	
325	67.38	71.53	
330	52.25	55.86	
335	47.64	51.11	
340	53.71	57.37	
345	65.47	69.54	
350	78.64	83.23	
355	91.11	96.24	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission