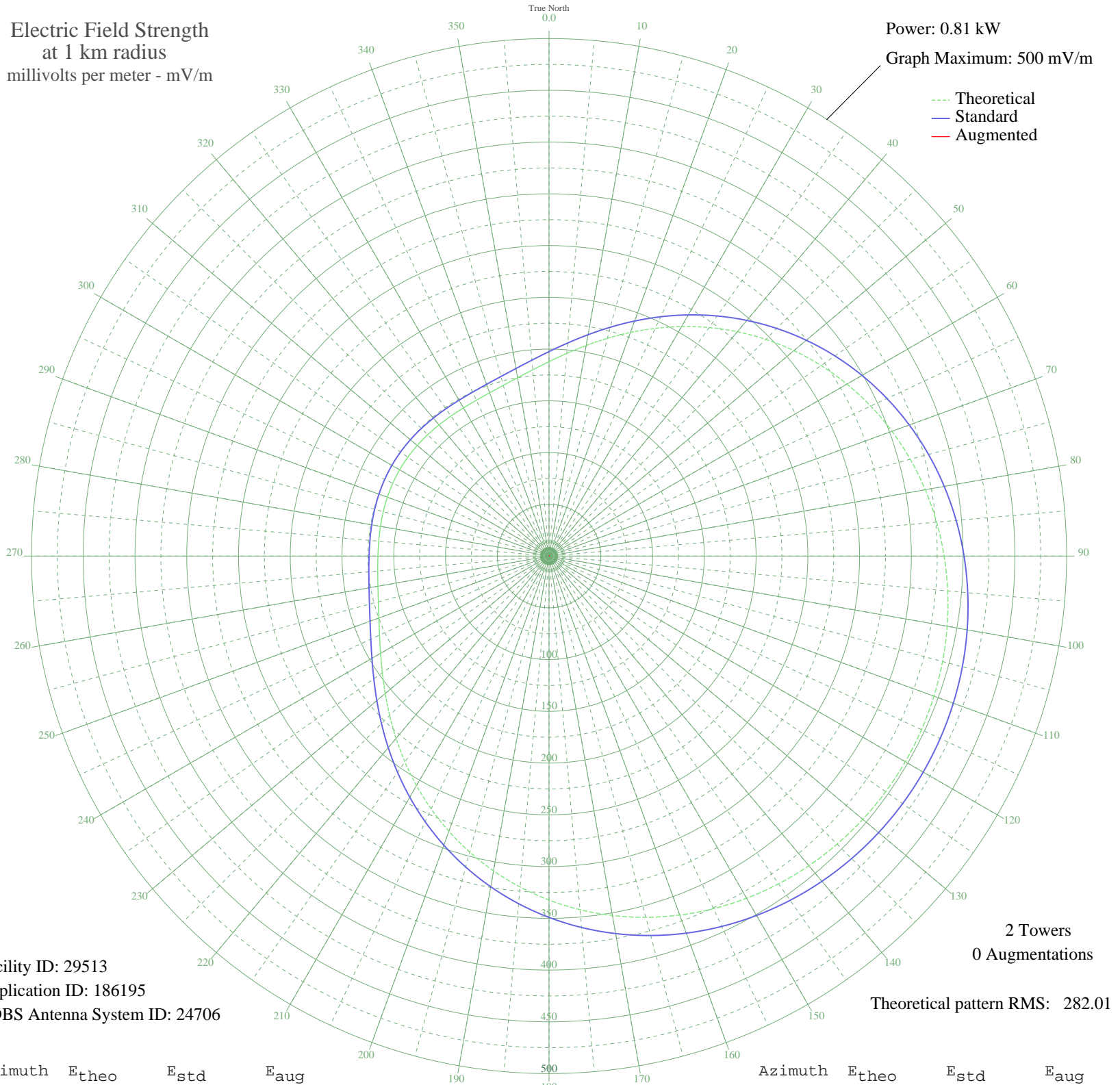


# WXSM BLOUNTVILLE, TN BL-19930512AC 640 kHz

Nighttime

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

Power: 0.81 kW  
Graph Maximum: 500 mV/m



Facility ID: 29513  
Application ID: 186195  
CDBS Antenna System ID: 24706

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 282.01

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	187.88	197.55	
5	196.56	206.65	
10	206.59	217.17	
15	217.79	228.92	
20	229.93	241.65	
25	242.77	255.12	
30	256.04	269.05	
35	269.51	283.18	
40	282.93	297.26	
45	296.09	311.07	
50	308.81	324.42	
55	320.93	337.14	
60	332.33	349.11	
65	342.90	360.20	
70	352.58	370.36	
75	361.32	379.53	
80	369.08	387.68	
85	375.88	394.81	
90	381.70	400.92	
95	386.57	406.04	
100	390.51	410.17	
105	393.55	413.36	
110	395.70	415.62	
115	396.98	416.96	
120	397.41	417.41	
125	396.98	416.96	
130	395.70	415.62	
135	393.55	413.36	
140	390.51	410.17	
145	386.57	406.04	
150	381.70	400.92	
155	375.88	394.81	
160	369.08	387.68	
165	361.32	379.53	
170	352.58	370.36	
175	342.90	360.20	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	332.33	349.11	
185	320.93	337.14	
190	308.81	324.42	
195	296.09	311.07	
200	282.93	297.26	
205	269.51	283.18	
210	256.04	269.05	
215	242.77	255.12	
220	229.93	241.65	
225	217.79	228.92	
230	206.59	217.17	
235	196.56	206.65	
240	187.88	197.55	
245	180.67	190.00	
250	174.98	184.03	
255	170.76	179.60	
260	167.87	176.58	
265	166.14	174.76	
270	165.31	173.89	
275	165.14	173.71	
280	165.38	173.96	
285	165.80	174.41	
290	166.24	174.87	
295	166.55	175.20	
300	166.67	175.31	
305	166.55	175.20	
310	166.24	174.87	
315	165.80	174.41	
320	165.38	173.96	
325	165.14	173.71	
330	165.31	173.89	
335	166.14	174.76	
340	167.87	176.58	
345	170.76	179.60	
350	174.98	184.03	
355	180.67	190.00	