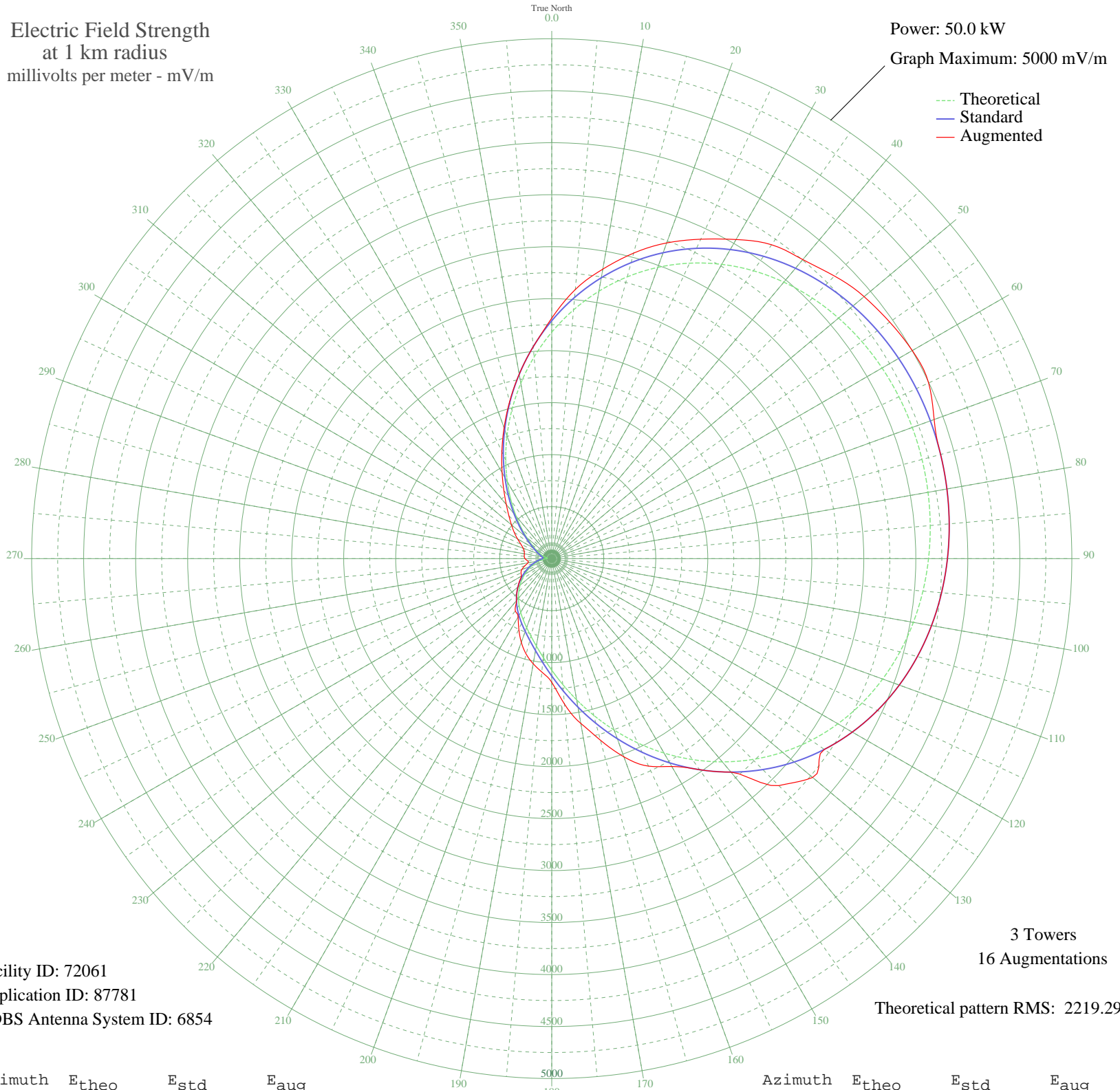


# WFLI LOOKOUT MOUNTAIN, TN BL-19860430AG 1070 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 72061  
Application ID: 87781  
CDBS Antenna System ID: 6854

3 Towers  
16 Augmentations

Theoretical pattern RMS: 2219.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2177.88	2287.98	2312.75
5	2400.98	2522.12	2598.12
10	2611.46	2743.04	2827.09
15	2805.65	2946.86	3042.13
20	2980.79	3130.71	3231.00
25	3135.20	3292.80	3389.53
30	3268.16	3432.37	3543.78
35	3379.86	3549.63	3685.00
40	3471.24	3645.56	3754.57
45	3543.77	3721.70	3843.77
50	3599.27	3779.97	3920.00
55	3639.71	3822.42	3966.44
60	3667.01	3851.08	4002.31
65	3682.86	3867.72	3997.47
70	3688.64	3873.78	3912.17
75	3685.28	3870.25	3870.25
80	3673.22	3857.60	3857.60
85	3652.42	3835.76	3835.76
90	3622.33	3804.17	3804.17
95	3581.99	3761.82	3761.82
100	3530.08	3707.32	3707.32
105	3465.08	3639.09	3639.09
110	3385.41	3555.46	3555.46
115	3289.63	3454.90	3454.90
120	3176.59	3336.24	3336.24
125	3045.68	3198.83	3198.83
130	2897.03	3042.78	3274.00
135	2731.58	2869.12	3087.00
140	2551.29	2679.89	2679.89
145	2359.11	2478.18	2478.18
150	2158.92	2268.09	2308.19
155	1955.45	2054.56	2201.79
160	1753.96	1843.16	2028.51
165	1559.98	1639.67	1807.56
170	1378.85	1449.69	1609.00
175	1215.17	1278.09	1403.91

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	1072.30	1128.36	1189.03
185	951.68	1002.02	1094.52
190	852.56	898.26	1026.42
195	772.04	814.03	950.28
200	705.72	744.71	856.02
205	648.78	685.25	748.32
210	596.97	631.20	646.83
215	547.20	579.34	611.60
220	497.69	527.82	526.30
225	447.77	475.99	475.99
230	397.55	423.98	423.98
235	347.57	372.42	378.20
240	298.47	322.07	337.82
245	250.86	273.66	325.70
250	205.18	227.88	305.80
255	161.80	185.40	267.59
260	121.11	147.25	232.22
265	84.03	115.31	233.85
270	53.52	93.11	256.65
275	39.74	85.17	265.50
280	52.10	92.22	267.12
285	76.70	109.54	274.08
290	105.23	133.12	292.19
295	138.32	163.11	326.88
300	180.14	203.20	379.33
305	236.24	258.92	440.13
310	311.72	335.62	505.38
315	410.19	437.05	582.60
320	533.43	565.00	679.70
325	681.62	719.54	802.75
330	853.50	899.24	954.59
335	1046.56	1101.39	1134.58
340	1257.19	1322.14	1339.35
345	1480.90	1556.71	1563.68
350	1712.55	1799.71	1801.28
355	1946.69	2045.38	2045.38