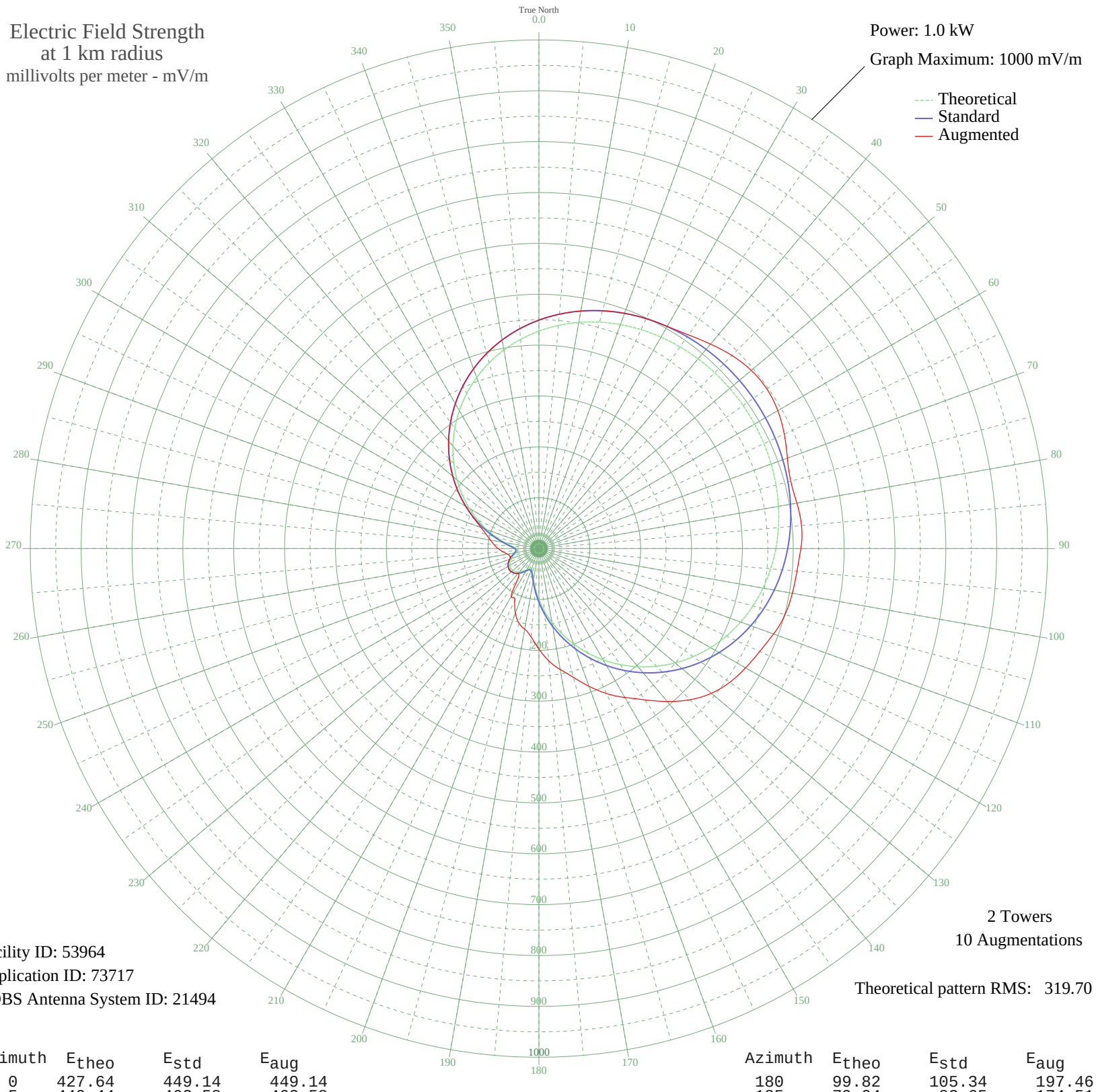
WXKS EVERETT, MA BL-19841101AE 1430 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
10 Augmentations

Facility ID: 53964
Application ID: 73717
CDBS Antenna System ID: 21494

Theoretical pattern RMS: 319.70

Azimuth	E_{theo}	E_{std}	E_{aug}
0	427.64	449.14	449.14
5	440.44	462.58	462.58
10	451.47	474.16	474.16
15	460.83	483.98	483.98
20	468.62	492.16	492.16
25	474.99	498.85	498.85
30	480.07	504.18	504.32
35	484.00	508.30	512.87
40	486.88	511.33	524.83
45	488.82	513.37	536.74
50	489.90	514.50	544.97
55	490.14	514.75	547.04
60	489.57	514.15	542.31
65	488.15	512.67	532.22
70	485.84	510.24	519.84
75	482.56	506.79	512.62
80	478.19	502.20	514.99
85	472.61	496.35	518.23
90	465.68	489.08	514.99
95	457.28	480.26	509.28
100	447.27	469.75	505.88
105	435.54	457.44	501.03
110	422.00	443.23	490.85
115	406.61	427.07	478.86
120	389.36	408.96	469.09
125	370.28	388.93	458.20
130	349.46	367.08	442.57
135	327.05	343.56	420.27
140	303.25	318.58	392.39
145	278.29	292.40	363.12
150	252.47	265.30	337.96
155	226.11	237.65	314.47
160	199.57	209.82	288.14
165	173.24	182.21	262.27
170	147.52	155.25	241.40
175	122.88	129.45	221.56

Azimuth	E_{theo}	E_{std}	E_{aug}
180	99.82	105.34	197.46
185	79.04	83.65	174.51
190	61.49	65.41	160.93
195	48.66	52.16	151.58
200	42.31	45.65	135.26
205	42.72	46.07	111.76
210	47.49	50.96	108.98
215	53.71	57.37	71.35
220	59.52	63.37	63.37
225	63.98	67.99	67.99
230	66.61	70.73	70.73
235	67.24	71.37	71.37
240	65.79	69.88	69.88
245	62.39	66.35	66.35
250	57.32	61.10	61.10
255	51.20	54.77	58.66
260	45.27	48.67	62.96
265	41.85	45.18	71.15
270	43.99	47.37	80.11
275	53.10	56.74	88.51
280	68.04	72.21	96.89
285	87.03	91.98	107.15
290	108.82	114.74	121.49
295	132.58	139.60	141.17
300	157.71	165.93	165.93
305	183.72	193.20	193.20
310	210.19	220.95	220.95
315	236.70	248.76	248.76
320	262.88	276.23	276.23
325	288.40	303.00	303.00
330	312.92	328.74	328.74
335	336.19	353.16	353.16
340	357.99	376.03	376.03
345	378.12	397.17	397.17
350	396.48	416.44	416.44
355	412.99	433.77	433.77

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission