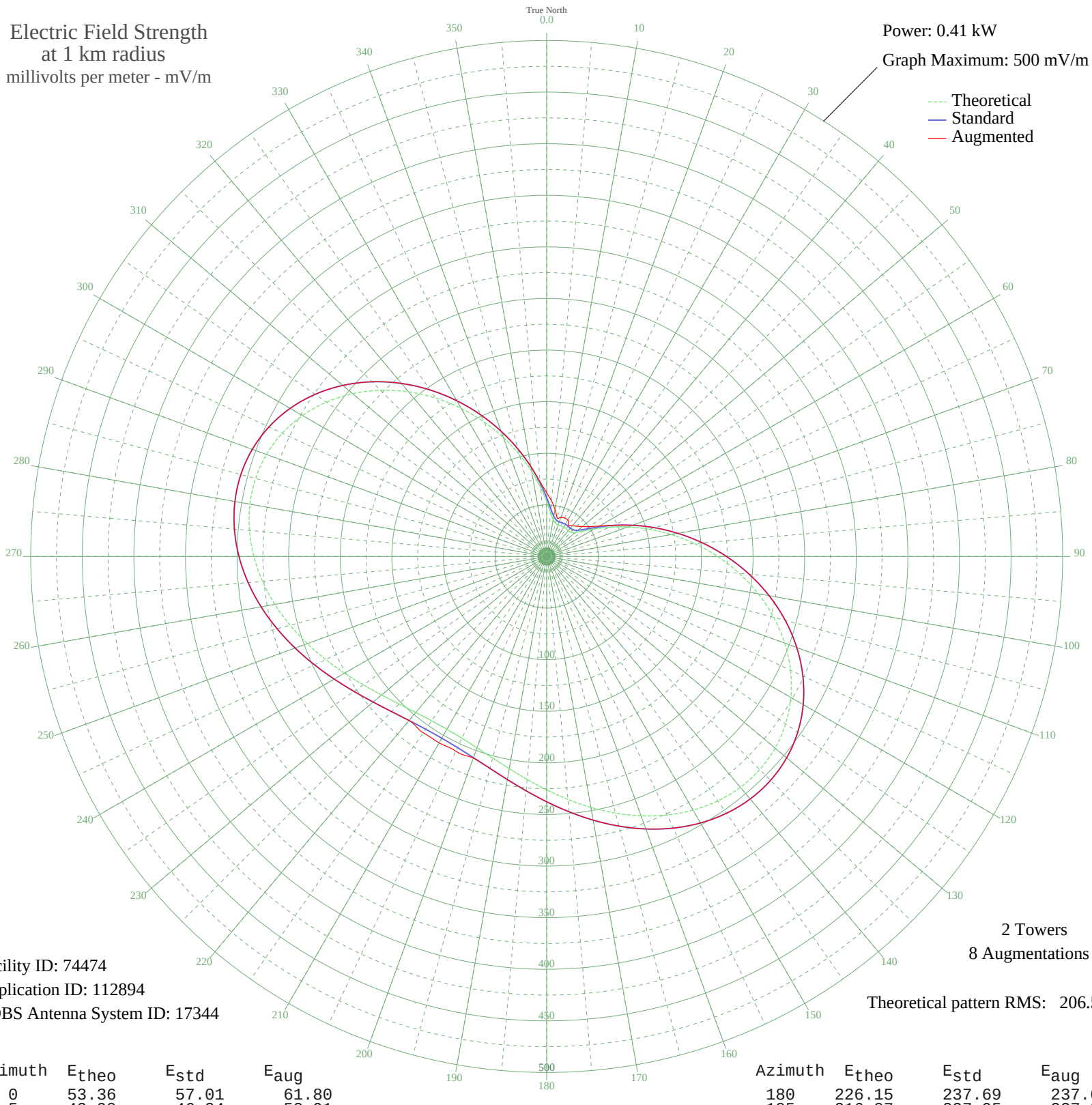
WMVO MOUNT VERNON, OH BL-19880526AC 1300 kHz

Daytime

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



Power: 0.41 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
8 Augmentations

Facility ID: 74474
Application ID: 112894
CDBS Antenna System ID: 17344

Theoretical pattern RMS: 206.50

Azimuth	E_{theo}	E_{std}	E_{aug}
0	53.36	57.01	61.80
5	42.98	46.34	53.91
10	36.36	39.59	46.23
15	33.24	36.44	38.96
20	32.49	35.69	40.23
25	32.70	35.90	41.20
30	32.88	36.08	41.04
35	32.70	35.90	36.83
40	32.49	35.69	38.80
45	33.24	36.44	41.51
50	36.36	39.59	45.06
55	42.98	46.34	50.42
60	53.36	57.01	59.00
65	67.11	71.24	71.71
70	83.61	88.42	88.42
75	102.30	107.92	107.92
80	122.58	129.14	129.14
85	143.91	151.47	151.47
90	165.69	174.29	174.29
95	187.33	196.97	196.97
100	208.21	218.88	218.88
105	227.76	239.38	239.38
110	245.41	257.89	257.89
115	260.69	273.92	273.92
120	273.19	287.05	287.05
125	282.66	296.98	296.98
130	288.93	303.56	303.56
135	292.00	306.78	306.78
140	291.98	306.76	306.76
145	289.13	303.77	303.77
150	283.79	298.16	298.16
155	276.39	290.40	290.40
160	267.43	280.99	280.99
165	257.41	270.48	270.48
170	246.86	259.42	259.42
175	236.29	248.32	248.32
180	226.15	237.69	237.69
185	216.87	227.95	227.95
190	208.79	219.48	219.48
195	202.21	212.58	212.58
200	197.35	207.48	207.80
205	194.37	204.36	208.24
210	193.37	203.31	208.51
215	194.37	204.36	208.54
220	197.35	207.48	207.48
225	202.21	212.58	212.58
230	208.79	219.48	219.48
235	216.87	227.95	227.95
240	226.15	237.69	237.69
245	236.29	248.32	248.32
250	246.86	259.42	259.42
255	257.41	270.48	270.48
260	267.43	280.99	280.99
265	276.39	290.40	290.40
270	283.79	298.16	298.16
275	289.13	303.77	303.77
280	291.98	306.76	306.76
285	292.00	306.78	306.78
290	288.93	303.56	303.56
295	282.66	296.98	296.98
300	273.19	287.05	287.05
305	260.69	273.92	273.92
310	245.41	257.89	257.89
315	227.76	239.38	239.38
320	208.21	218.88	218.88
325	187.33	196.97	196.97
330	165.69	174.29	174.29
335	143.91	151.47	151.47
340	122.58	129.14	129.14
345	102.30	107.92	107.92
350	83.61	88.42	88.42
355	67.11	71.24	72.56

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