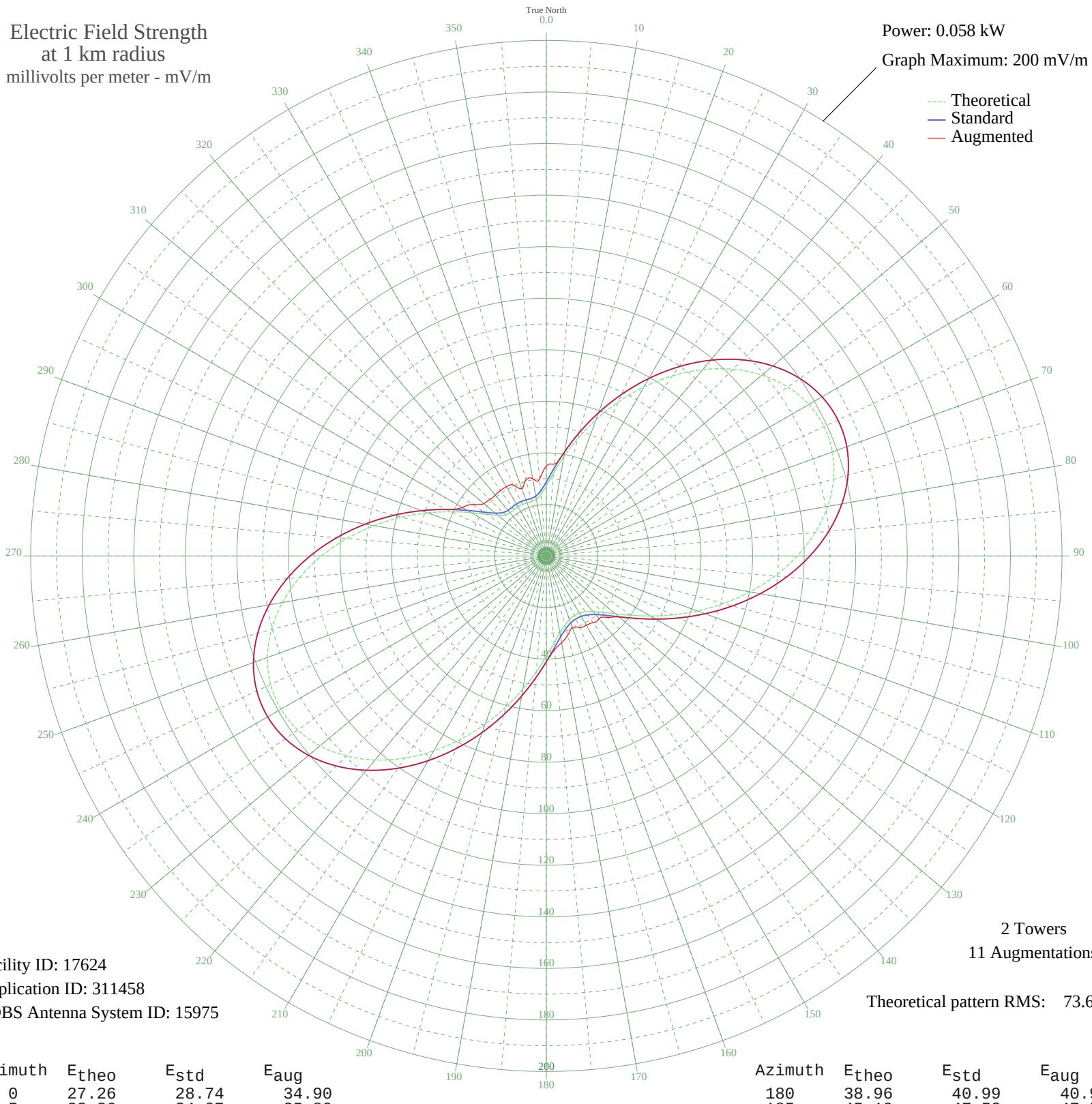
WXGO MADISON, IN BL-- 1270 kHz

Nighttime

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



Power: 0.058 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

2 Towers
11 Augmentations

Facility ID: 17624
Application ID: 311458
CDBS Antenna System ID: 15975

Theoretical pattern RMS: 73.64

Azimuth	E_{theo}	E_{std}	E_{aug}
0	27.26	28.74	34.90
5	32.36	34.07	35.80
10	39.10	41.13	41.13
15	47.17	49.60	49.60
20	56.22	59.09	59.09
25	65.86	69.20	69.20
30	75.69	79.52	79.52
35	85.34	89.64	89.64
40	94.38	99.14	99.14
45	102.45	107.61	107.61
50	109.19	114.68	114.68
55	114.31	120.05	120.05
60	117.57	123.47	123.47
65	118.84	124.80	124.80
70	118.08	124.00	124.00
75	115.35	121.14	121.14
80	110.81	116.38	116.38
85	104.70	109.96	109.96
90	97.33	102.22	102.22
95	89.03	93.52	93.52
100	80.20	84.25	84.25
105	71.19	74.79	74.79
110	62.37	65.54	65.54
115	54.07	56.83	56.83
120	46.57	48.96	48.96
125	40.11	42.20	42.20
130	34.87	36.70	36.80
135	30.89	32.53	33.71
140	28.14	29.66	31.74
145	26.46	27.90	31.57
150	25.65	27.05	31.04
155	25.58	26.98	30.64
160	26.23	27.66	29.48
165	27.72	29.22	31.91
170	30.25	31.86	34.17
175	33.97	35.76	36.53

Azimuth	E_{theo}	E_{std}	E_{aug}
180	38.96	40.99	40.99
185	45.19	47.52	47.52
190	52.50	55.18	55.18
195	60.66	63.74	63.74
200	69.40	72.92	72.92
205	78.40	82.36	82.36
210	87.30	91.70	91.70
215	95.73	100.55	100.55
220	103.32	108.51	108.51
225	109.70	115.22	115.22
230	114.58	120.33	120.33
235	117.68	123.59	123.59
240	118.85	124.81	124.81
245	117.98	123.91	123.91
250	115.11	120.89	120.89
255	110.36	115.90	115.90
260	103.92	109.14	109.14
265	96.09	100.92	100.92
270	87.21	91.60	91.60
275	77.65	81.57	81.57
280	67.82	71.26	71.26
285	58.11	61.07	61.07
290	48.92	51.43	51.43
295	40.62	42.72	42.72
300	33.58	35.35	37.67
305	28.14	29.65	34.90
310	24.49	25.84	31.62
315	22.55	23.82	31.00
320	21.88	23.11	30.80
325	21.87	23.10	31.01
330	22.01	23.25	31.01
335	22.03	23.27	30.29
340	21.90	23.13	27.76
345	21.85	23.08	30.53
350	22.34	23.59	30.45
355	23.98	25.30	29.97

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