

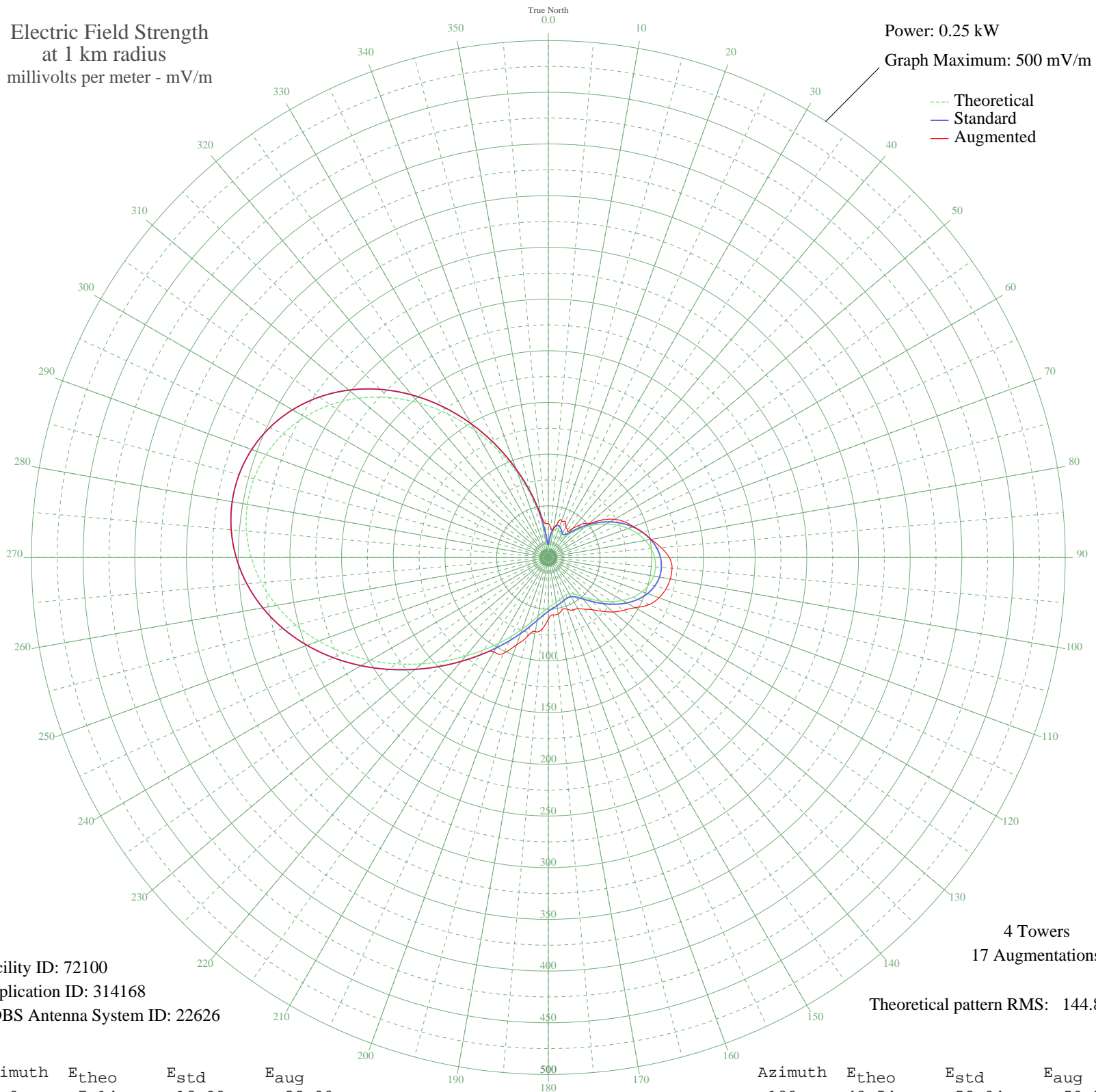
WASN YOUNGSTOWN, OH BL-- 1500 kHz

Critical Hours

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

Power: 0.25 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 72100
Application ID: 314168
CDBS Antenna System ID: 22626

4 Towers
17 Augmentations
Theoretical pattern RMS: 144.84

Azimuth	E _{theo}	E _{std}	E _{aug}
0	7.14	12.90	32.90
5	17.50	21.16	28.49
10	25.23	28.49	28.49
15	28.82	32.03	34.33
20	28.80	32.01	37.82
25	26.39	29.63	38.62
30	23.66	26.97	33.92
35	23.57	26.89	32.10
40	28.00	31.22	36.97
45	35.89	39.12	45.56
50	45.39	48.80	50.68
55	55.28	58.99	63.14
60	64.92	68.97	73.92
65	73.93	78.33	81.51
70	82.10	86.84	87.61
75	89.25	94.30	94.30
80	95.20	100.51	101.10
85	99.77	105.29	109.59
90	102.78	108.43	117.00
95	104.06	109.77	120.12
100	103.49	109.17	119.73
105	101.01	106.58	117.73
110	96.66	102.03	113.92
115	90.57	95.68	107.72
120	83.02	87.80	97.02
125	74.41	78.84	88.86
130	65.33	69.40	81.95
135	56.53	60.28	73.58
140	48.92	52.42	65.93
145	43.38	46.75	61.00
150	40.46	43.76	57.31
155	39.89	43.18	56.13
160	40.82	44.13	53.26
165	42.34	45.68	52.19
170	44.01	47.39	55.35
175	45.92	49.35	55.80

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	48.54	52.04	59.58
185	52.42	56.03	69.53
190	57.89	61.69	72.81
195	65.03	69.08	79.38
200	73.73	78.12	89.88
205	83.94	88.76	102.14
210	95.72	101.06	105.34
215	109.22	115.16	115.16
220	124.51	131.16	131.16
225	141.54	148.99	148.99
230	160.00	168.33	168.33
235	179.38	188.64	188.64
240	199.02	209.24	209.24
245	218.24	229.39	229.39
250	236.35	248.38	248.38
255	252.75	265.60	265.60
260	266.96	280.51	280.51
265	278.60	292.71	292.71
270	287.37	301.93	301.93
275	293.09	307.92	307.92
280	295.61	310.56	310.56
285	294.81	309.73	309.73
290	290.64	305.35	305.35
295	283.02	297.36	297.36
300	271.96	285.75	285.75
305	257.49	270.56	270.56
310	239.70	251.90	251.90
315	218.83	230.01	230.01
320	195.21	205.24	205.24
325	169.36	178.14	178.14
330	141.95	149.42	149.42
335	113.82	119.97	119.97
340	85.93	90.84	90.97
345	59.35	63.19	64.75
350	35.17	38.40	42.12
355	14.80	18.75	32.79