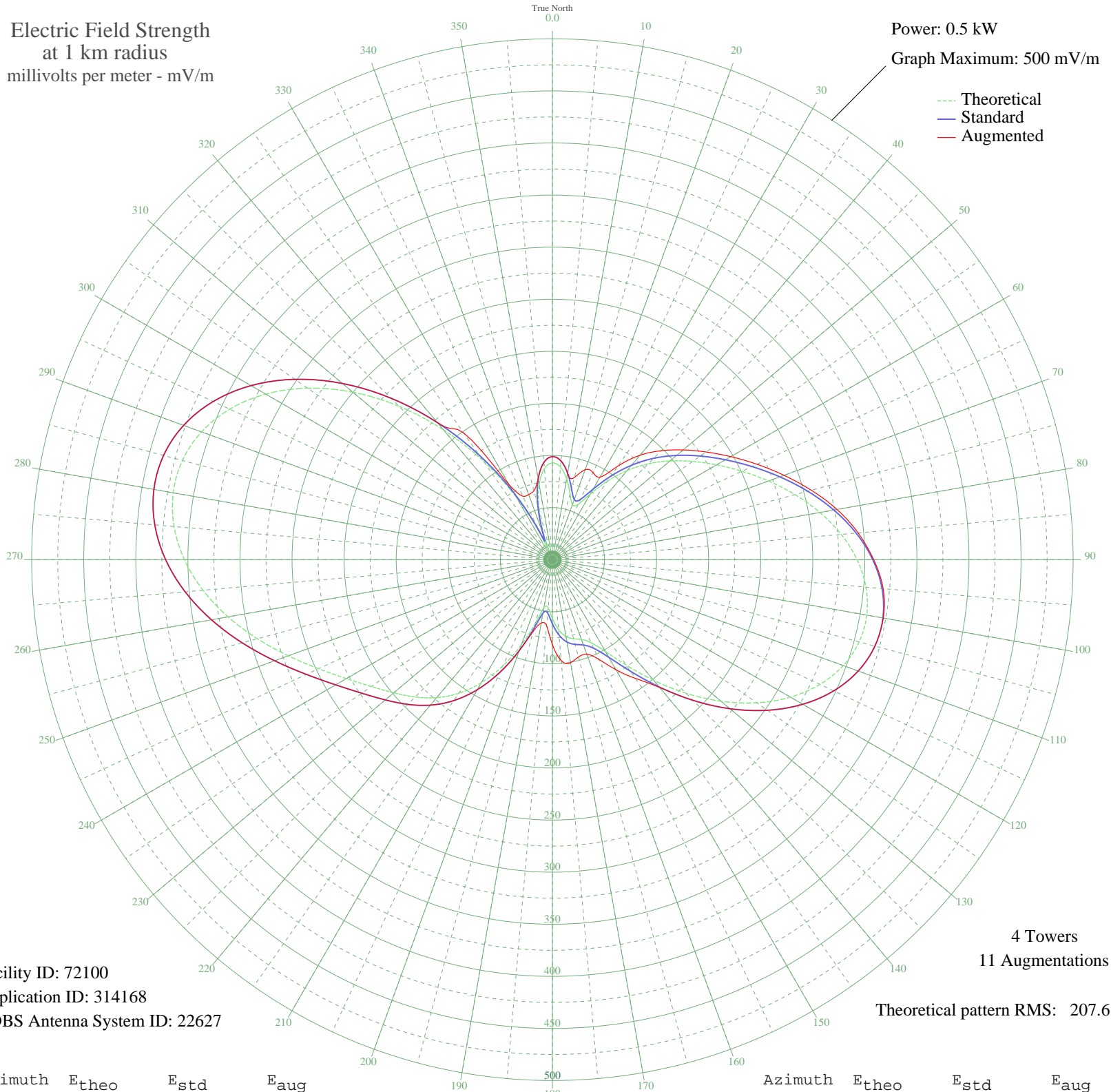


# WASN YOUNGSTOWN, OH BL-- 1500 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 72100  
Application ID: 314168  
CDBS Antenna System ID: 22627

4 Towers  
11 Augmentations  
Theoretical pattern RMS: 207.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	92.93	98.95	98.95
5	89.20	95.09	95.09
10	78.76	84.31	84.31
15	65.53	70.74	81.74
20	56.29	61.34	91.88
25	58.75	63.84	92.25
30	72.79	78.18	91.47
35	91.93	97.92	109.65
40	111.62	118.34	130.89
45	130.13	137.62	147.89
50	147.45	155.69	163.87
55	164.40	173.40	180.21
60	181.99	191.79	197.80
65	200.81	211.49	216.73
70	220.80	232.42	236.73
75	241.21	253.80	257.41
80	260.86	274.40	277.52
85	278.41	292.79	294.68
90	292.56	307.63	308.53
95	302.21	317.74	318.83
100	306.52	322.26	322.59
105	304.93	320.60	320.60
110	297.21	312.50	312.50
115	283.41	298.04	298.04
120	263.94	277.63	277.63
125	239.56	252.08	252.08
130	211.44	222.62	222.62
135	181.21	190.98	190.98
140	151.02	159.42	160.22
145	123.56	130.77	139.16
150	101.82	108.16	121.94
155	88.01	93.86	105.66
160	81.56	87.20	96.56
165	78.64	84.20	96.77
170	74.81	80.25	100.41
175	67.38	72.63	97.27

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	56.49	61.55	81.48
185	46.44	51.45	63.68
190	47.01	52.02	61.70
195	62.90	68.05	71.25
200	86.96	92.78	92.80
205	112.60	119.37	119.37
210	136.34	144.09	144.09
215	156.52	165.17	165.17
220	172.92	182.30	182.30
225	186.43	196.44	196.44
230	198.85	209.44	209.44
235	212.27	223.49	223.49
240	228.36	240.34	240.34
245	247.74	260.64	260.64
250	269.85	283.82	283.82
255	293.28	308.38	308.38
260	316.20	332.41	332.41
265	336.76	353.98	353.98
270	353.35	371.38	371.38
275	364.66	383.24	383.24
280	369.70	388.53	388.53
285	367.80	386.54	386.54
290	358.56	376.85	376.85
295	341.87	359.33	359.33
300	317.87	334.17	334.17
305	287.03	301.83	301.83
310	250.10	263.12	263.12
315	208.20	219.22	219.22
320	162.78	171.71	171.71
325	115.67	122.56	148.24
330	69.01	74.30	82.57
335	25.71	31.60	67.19
340	18.02	25.06	66.48
345	49.16	54.17	68.57
350	73.15	78.55	78.92
355	87.85	93.69	93.69