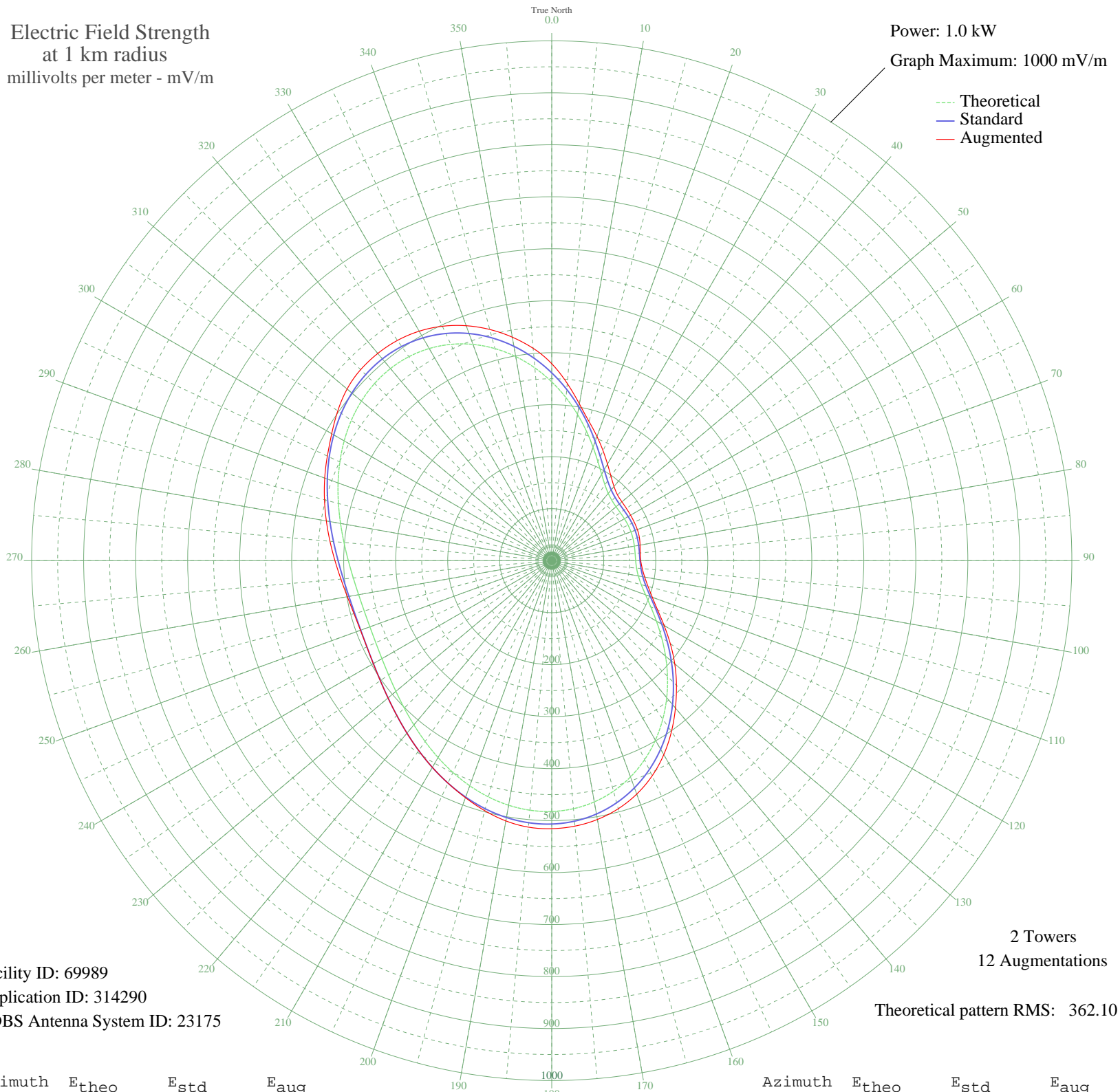


# WCNW FAIRFIELD, OH BL-11420 1560 kHz

## Critical Hours

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 69989  
Application ID: 314290  
CDBS Antenna System ID: 23175

2 Towers  
12 Augmentations  
Theoretical pattern RMS: 362.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	343.93	361.28	378.91
5	314.73	330.64	342.25
10	285.68	300.15	306.18
15	257.85	270.95	277.03
20	232.32	244.17	254.24
25	210.08	220.84	233.35
30	191.91	201.78	214.46
35	178.24	187.45	198.46
40	169.04	177.80	186.25
45	163.72	172.23	178.82
50	161.37	169.76	176.09
55	160.89	169.26	175.22
60	161.31	169.70	175.03
65	161.87	170.29	175.07
70	162.10	170.53	175.10
75	161.87	170.29	174.33
80	161.31	169.70	172.41
85	160.89	169.26	170.68
90	161.37	169.76	171.12
95	163.72	172.23	174.77
100	169.03	177.80	181.50
105	178.24	187.45	191.71
110	191.91	201.78	205.81
115	210.08	220.84	224.68
120	232.32	244.17	249.49
125	257.85	270.95	278.25
130	285.68	300.15	308.72
135	314.73	330.64	339.14
140	343.93	361.28	370.02
145	372.22	390.98	401.30
150	398.65	418.72	430.83
155	422.37	443.62	456.74
160	442.69	464.94	477.81
165	459.07	482.14	494.04
170	471.20	494.87	505.53
175	478.96	503.01	512.56

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	482.42	506.64	515.56
185	481.84	506.04	514.57
190	477.66	501.66	508.30
195	470.44	494.07	497.88
200	460.81	483.97	485.18
205	449.49	472.08	472.09
210	437.18	459.16	459.16
215	424.58	445.93	445.93
220	412.33	433.08	433.09
225	401.01	421.19	421.23
230	391.10	410.79	410.86
235	383.00	402.28	402.40
240	377.00	395.99	396.13
245	373.32	392.13	392.28
250	372.08	390.82	391.35
255	373.32	392.13	393.70
260	377.00	395.99	399.05
265	383.00	402.28	406.93
270	391.10	410.79	416.78
275	401.01	421.19	428.02
280	412.33	433.08	440.06
285	424.58	445.93	452.38
290	437.18	459.16	464.52
295	449.49	472.08	476.01
300	460.81	483.97	488.51
305	470.44	494.07	502.22
310	477.66	501.66	513.68
315	481.84	506.04	519.64
320	482.42	506.64	520.39
325	478.96	503.01	517.24
330	471.20	494.87	509.73
335	459.07	482.14	497.54
340	442.69	464.94	480.92
345	422.37	443.62	460.42
350	398.65	418.72	436.56
355	372.22	390.98	410.06