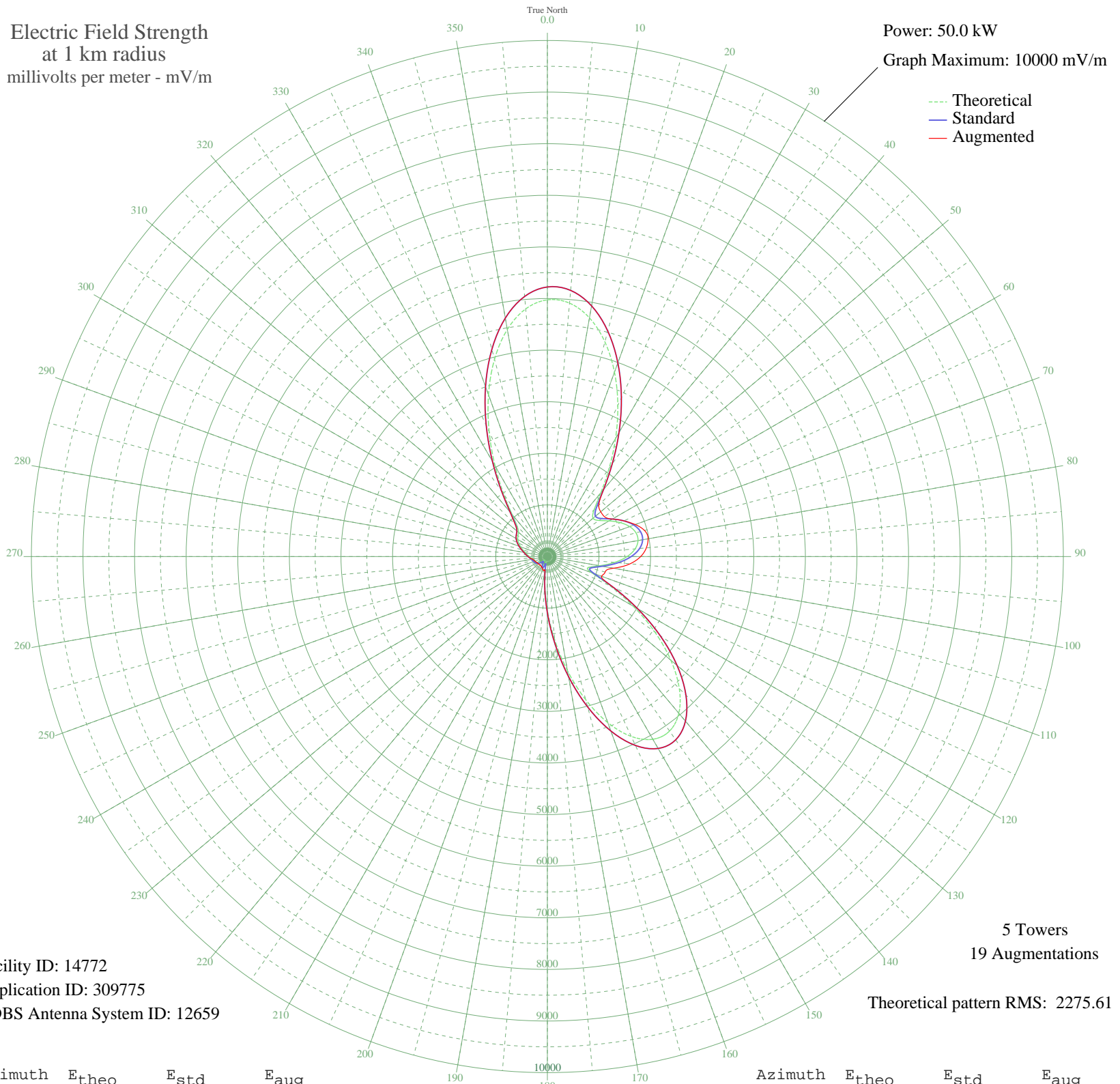


# WHKW CLEVELAND, OH BL-- 1220 kHz

Unlimited Time

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 14772  
Application ID: 309775  
CDBS Antenna System ID: 12659

5 Towers  
19 Augmentations  
Theoretical pattern RMS: 2275.61

Azimuth	Etheo	Estd	Eaug
0	4974.71	5224.06	5224.06
5	4930.01	5177.14	5177.14
10	4697.20	4932.72	4932.72
15	4307.31	4523.39	4523.39
20	3802.93	3993.88	3993.88
25	3231.94	3394.49	3394.49
30	2643.00	2776.32	2776.32
35	2084.57	2190.28	2190.28
40	1609.11	1691.48	1691.48
45	1280.05	1346.46	1408.93
50	1155.38	1215.81	1350.00
55	1220.13	1283.66	1349.05
60	1381.99	1453.32	1453.32
65	1556.93	1636.75	1636.75
70	1697.28	1783.96	1812.92
75	1777.74	1868.36	1950.20
80	1783.77	1874.68	1982.71
85	1707.06	1794.21	1925.29
90	1545.37	1624.63	1807.95
95	1307.02	1374.72	1609.34
100	1026.88	1081.22	1301.58
105	819.44	864.16	1160.07
110	913.99	963.05	1116.57
115	1339.25	1408.52	1408.52
120	1919.05	2016.60	2016.60
125	2538.16	2666.28	2666.28
130	3123.82	3281.00	3281.00
135	3616.21	3797.88	3797.88
140	3964.04	4163.02	4163.02
145	4128.40	4335.57	4335.57
150	4088.40	4293.57	4293.57
155	3845.51	4038.59	4038.59
160	3424.87	3597.01	3597.01
165	2872.31	3017.00	3017.00
170	2247.69	2361.45	2361.45
175	1615.57	1698.25	1698.25

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	1035.39	1090.14	1090.14
185	554.07	587.31	587.31
190	207.90	232.64	263.58
195	113.43	143.73	283.04
200	195.91	220.88	263.00
205	214.08	238.74	236.51
210	174.66	200.26	223.70
215	110.94	141.57	221.98
220	79.27	115.76	218.87
225	118.80	148.43	220.48
230	170.16	195.95	223.70
235	208.09	232.83	226.92
240	231.32	255.86	231.42
245	245.14	269.68	245.26
250	256.32	280.91	256.53
255	270.35	295.05	270.69
260	290.07	315.02	290.33
265	316.11	341.52	341.52
270	348.32	374.48	374.48
275	387.11	414.35	414.35
280	433.70	462.44	462.44
285	488.84	519.54	519.54
290	550.31	583.40	583.40
295	611.20	646.78	646.78
300	661.53	699.25	699.25
305	696.10	735.32	735.32
310	731.45	772.22	772.22
315	826.07	871.10	883.60
320	1061.25	1117.22	1122.39
325	1470.55	1546.17	1546.17
330	2025.39	2128.18	2128.18
335	2669.53	2804.16	2804.16
340	3336.67	3504.42	3504.42
345	3957.72	4156.39	4156.39
350	4468.53	4692.64	4692.64
355	4818.00	5059.54	5059.54