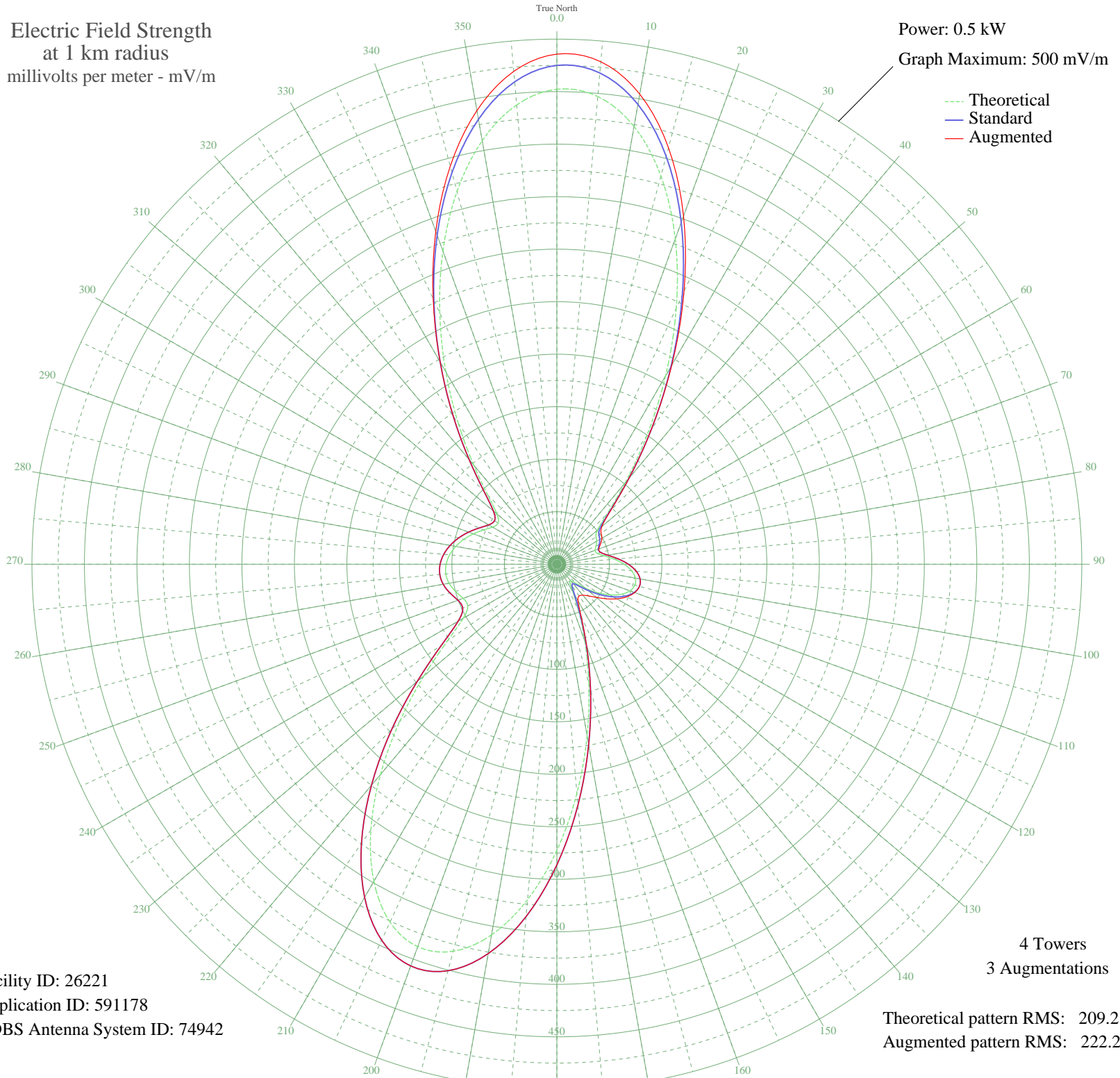


WELW WILLOUGHBY, OH BL-20011219AAU 1330 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 26221  
Application ID: 591178  
CDBS Antenna System ID: 74942

Theoretical pattern RMS: 209.21  
Augmented pattern RMS: 222.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	452.27	475.00	485.73
5	447.07	469.54	480.27
10	423.28	444.57	454.54
15	382.85	402.13	410.63
20	329.69	346.34	352.72
25	269.08	282.73	286.57
30	206.97	217.57	218.90
35	149.23	157.04	157.04
40	101.18	106.75	106.93
45	67.41	71.56	72.47
50	50.36	53.91	55.95
55	45.48	48.89	51.50
60	43.78	47.15	49.46
65	41.14	44.46	45.91
70	38.78	42.05	42.50
75	39.93	43.22	43.22
80	45.94	49.36	49.36
85	54.88	58.57	58.57
90	64.06	68.07	68.07
95	71.48	75.79	75.79
100	75.97	80.46	80.46
105	76.89	81.41	81.41
110	74.05	78.46	78.87
115	67.66	71.81	73.48
120	58.33	62.14	65.92
125	47.12	50.58	57.31
130	35.60	38.83	49.11
135	25.91	29.16	42.65
140	20.63	24.07	38.51
145	21.77	25.16	36.87
150	30.49	33.69	40.24
155	48.68	52.18	54.45
160	77.78	82.34	82.74
165	117.50	123.82	123.82
170	165.78	174.38	174.38
175	219.02	230.21	230.21

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	272.43	286.25	286.25
185	320.61	336.80	336.80
190	358.36	376.43	376.43
195	381.50	400.71	400.71
200	387.52	407.04	407.04
205	376.02	394.96	394.96
210	348.65	366.24	366.24
215	308.89	324.51	324.51
220	261.44	274.71	274.71
225	211.65	222.48	222.48
230	165.07	173.64	173.64
235	127.22	133.99	133.99
240	102.95	108.60	108.60
245	93.72	98.97	98.97
250	95.00	100.30	100.30
255	99.95	105.47	105.47
260	104.21	109.93	109.93
265	106.13	111.93	111.93
270	105.46	111.23	111.23
275	102.52	108.16	108.16
280	97.78	103.21	103.21
285	91.67	96.82	96.82
290	84.57	89.42	89.42
295	77.12	81.65	81.65
300	70.68	74.96	74.96
305	68.27	72.45	72.45
310	74.55	78.98	78.98
315	92.93	98.14	98.14
320	123.29	129.88	129.88
325	163.61	172.12	172.12
330	211.46	222.28	222.33
335	263.92	277.31	278.79
340	317.36	333.40	337.28
345	367.48	386.00	392.36
350	409.55	430.16	438.63
355	439.04	461.11	471.08

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