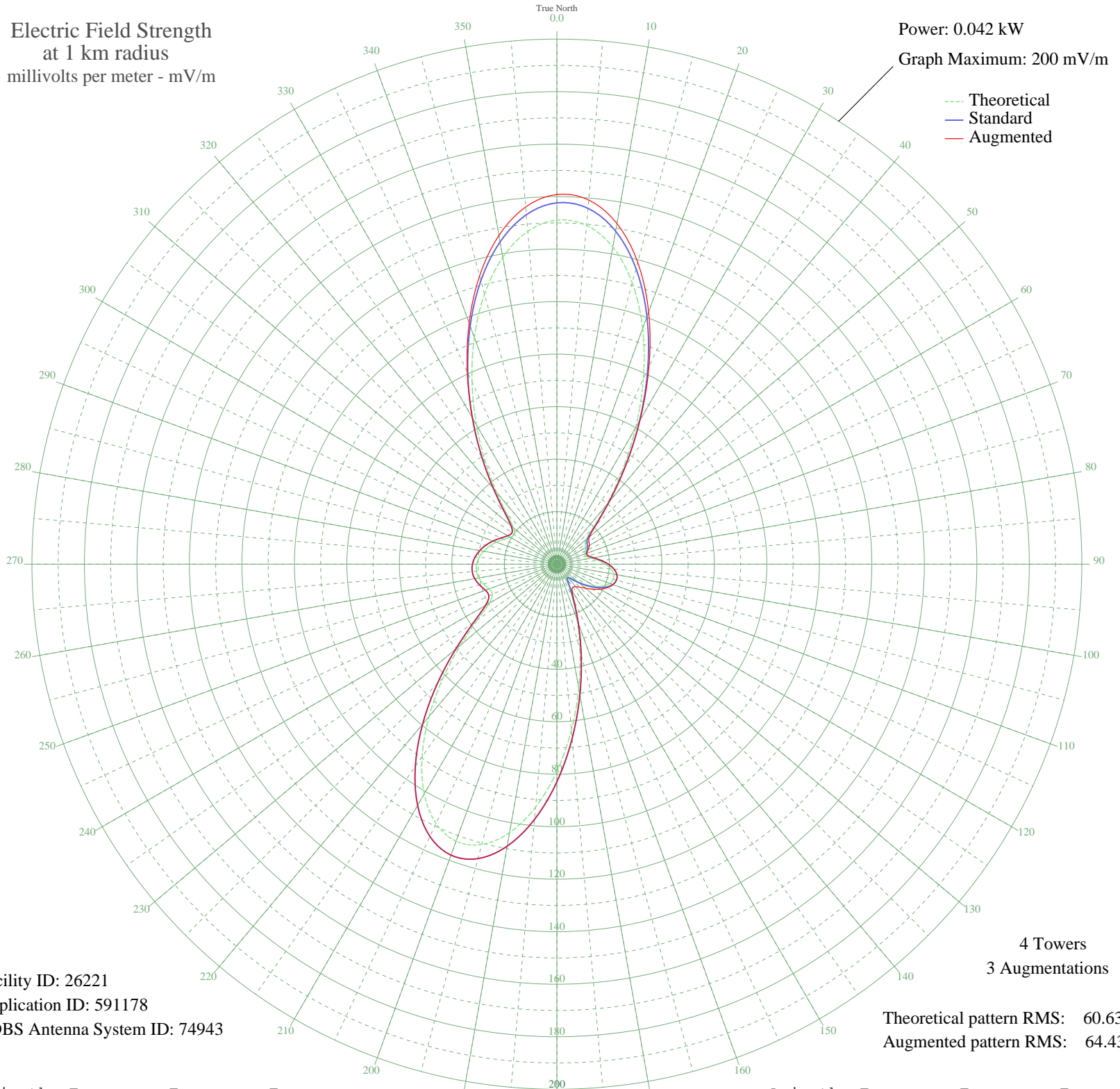


WELW WILLOUGHBY, OH BL-20011219AAU 1330 kHz

Nighttime

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

Power: 0.042 kW
Graph Maximum: 200 mV/m



Facility ID: 26221
Application ID: 591178
CDBS Antenna System ID: 74943

Theoretical pattern RMS: 60.63
Augmented pattern RMS: 64.43

Azimuth	Etheo	Estd	Eaug
0	131.07	137.64	140.81
5	129.56	136.06	139.23
10	122.67	128.82	131.77
15	110.95	116.52	119.03
20	95.55	100.35	102.23
25	77.98	81.91	83.04
30	59.98	63.02	63.41
35	43.25	45.46	45.46
40	29.32	30.86	30.92
45	19.54	20.63	20.94
50	14.60	15.48	16.17
55	13.18	14.01	14.90
60	12.69	13.49	14.29
65	11.92	12.70	13.20
70	11.24	11.99	12.15
75	11.57	12.34	12.34
80	13.31	14.14	14.14
85	15.90	16.84	16.84
90	18.56	19.61	19.61
95	20.72	21.86	21.86
100	22.02	23.22	23.22
105	22.28	23.50	23.50
110	21.46	22.64	22.76
115	19.61	20.70	21.22
120	16.90	17.88	19.06
125	13.66	14.50	16.60
130	10.32	11.05	14.25
135	7.51	8.17	12.40
140	5.98	6.64	11.19
145	6.31	6.97	10.66
150	8.83	9.52	11.58
155	14.11	14.97	15.68
160	22.54	23.77	23.89
165	34.05	35.82	35.82
170	48.04	50.49	50.49
175	63.47	66.68	66.68

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

Azimuth	Etheo	Estd	Eaug
180	78.95	82.93	82.93
185	92.92	97.58	97.58
190	103.86	109.07	109.07
195	110.56	116.11	116.11
200	112.31	117.94	117.94
205	108.97	114.44	114.44
210	101.04	106.11	106.11
215	89.52	94.02	94.02
220	75.77	79.58	79.58
225	61.34	64.44	64.44
230	47.84	50.27	50.27
235	36.87	38.77	38.77
240	29.83	31.40	31.40
245	27.16	28.60	28.60
250	27.53	28.99	28.99
255	28.97	30.49	30.49
260	30.20	31.79	31.79
265	30.76	32.37	32.37
270	30.56	32.16	32.16
275	29.71	31.27	31.27
280	28.34	29.83	29.83
285	26.57	27.98	27.98
290	24.51	25.82	25.82
295	22.35	23.57	23.57
300	20.48	21.62	21.62
305	19.79	20.89	20.89
310	21.60	22.79	22.79
315	26.93	28.36	28.36
320	35.73	37.58	37.58
325	47.42	49.83	49.83
330	61.28	64.38	64.40
335	76.48	80.34	80.78
340	91.97	96.60	97.74
345	106.50	111.84	113.73
350	118.69	124.64	127.15
355	127.24	133.62	136.56