

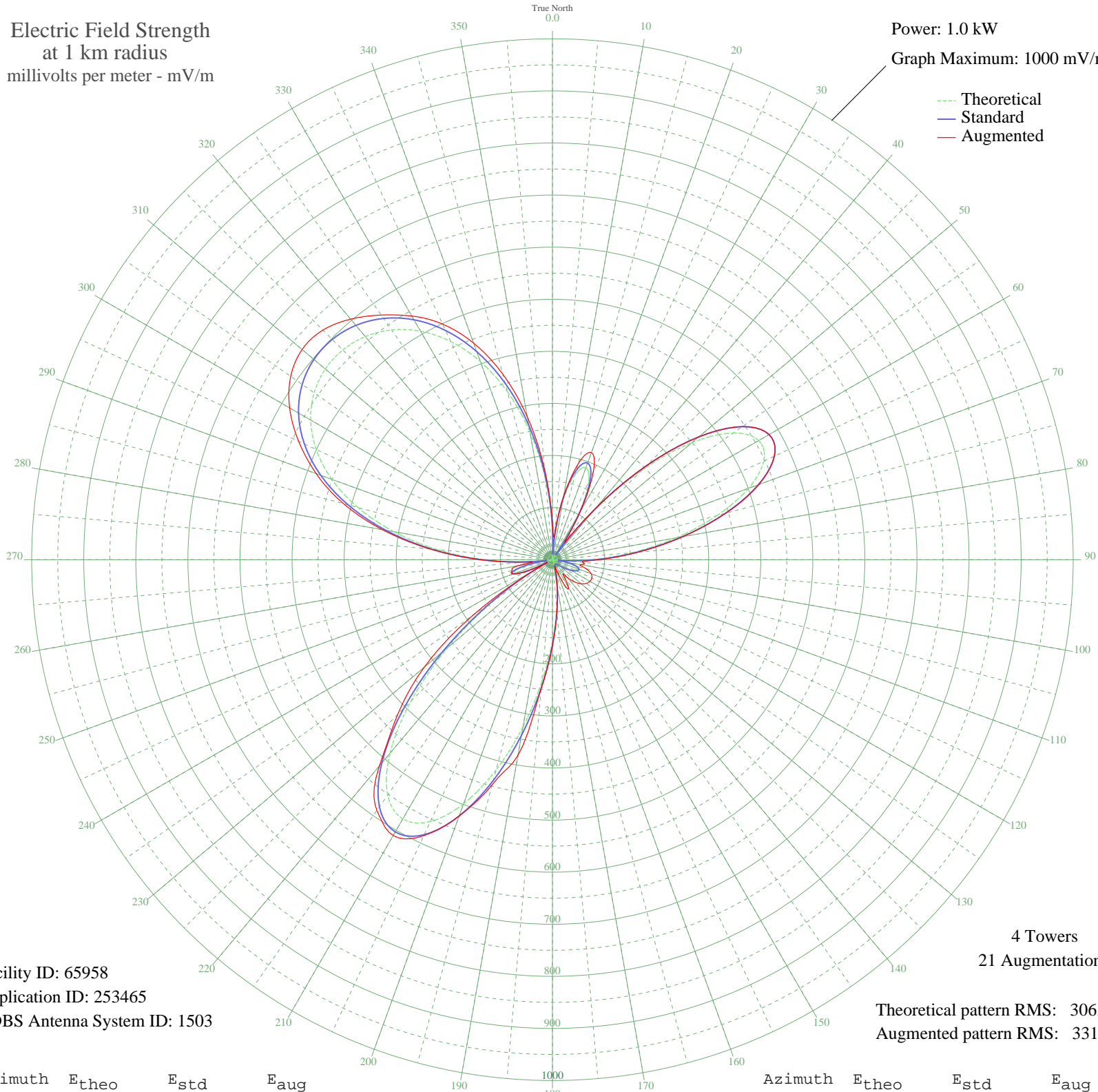
WLQR TOLEDO, OH BL-19970918KA 1470 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 65958
Application ID: 253465
CDBS Antenna System ID: 1503

4 Towers
21 Augmentations

Theoretical pattern RMS: 306.58
Augmented pattern RMS: 331.45

Azimuth	E _{theo}	E _{std}	E _{aug}
0	57.73	61.52	72.27
5	36.26	39.50	50.41
10	115.78	122.02	122.02
15	169.60	178.38	190.43
20	187.87	197.54	218.87
25	164.58	173.13	185.51
30	99.73	105.24	106.22
35	0.42	10.51	40.23
40	119.65	126.07	126.07
45	242.43	254.77	254.77
50	349.09	366.70	366.70
55	423.90	445.21	445.21
60	457.34	480.32	480.32
65	447.70	470.20	470.20
70	400.66	420.82	421.89
75	327.23	343.75	344.51
80	240.86	253.12	253.81
85	154.53	162.59	165.04
90	78.46	83.05	90.17
95	19.03	22.57	58.71
100	21.35	24.76	54.78
105	43.60	46.97	66.87
110	50.85	54.41	79.10
115	47.37	50.83	83.56
120	37.62	40.87	83.07
125	25.60	28.86	79.46
130	14.41	18.41	72.08
135	6.05	12.27	60.74
140	1.35	10.60	45.53
145	0.09	10.50	35.78
150	0.15	10.50	62.13
155	0.67	10.52	51.76
160	6.24	12.38	12.38
165	20.86	24.29	24.29
170	48.83	52.33	52.33
175	93.53	98.76	98.76

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 _{theo}	E _{std}	E _{aug}
180	156.38	164.54	164.54
185	235.73	247.74	247.74
190	326.04	342.50	381.67
195	417.83	438.85	447.40
200	498.59	523.62	523.62
205	554.80	582.63	584.70
210	574.76	603.59	611.55
215	551.59	579.26	587.73
220	485.47	509.85	517.12
225	384.42	403.78	420.24
230	263.17	276.53	321.87
235	140.23	147.61	188.03
240	34.08	37.29	37.29
245	40.52	43.82	44.53
250	75.08	79.53	80.47
255	68.29	72.46	80.00
260	25.16	28.43	67.32
265	44.95	48.36	51.93
270	130.89	137.84	137.84
275	221.89	233.22	236.04
280	309.14	324.77	331.64
285	386.56	406.02	415.39
290	450.72	473.37	482.80
295	500.44	525.57	537.82
300	536.04	562.94	582.76
305	558.60	586.62	613.60
310	569.38	597.94	627.64
315	569.40	597.96	623.39
320	559.11	587.15	602.83
325	538.36	565.37	573.38
330	506.42	531.84	540.15
335	462.21	485.44	499.04
340	404.72	425.08	442.57
345	333.53	350.36	368.98
350	249.55	262.24	278.70
355	155.77	163.89	175.08