

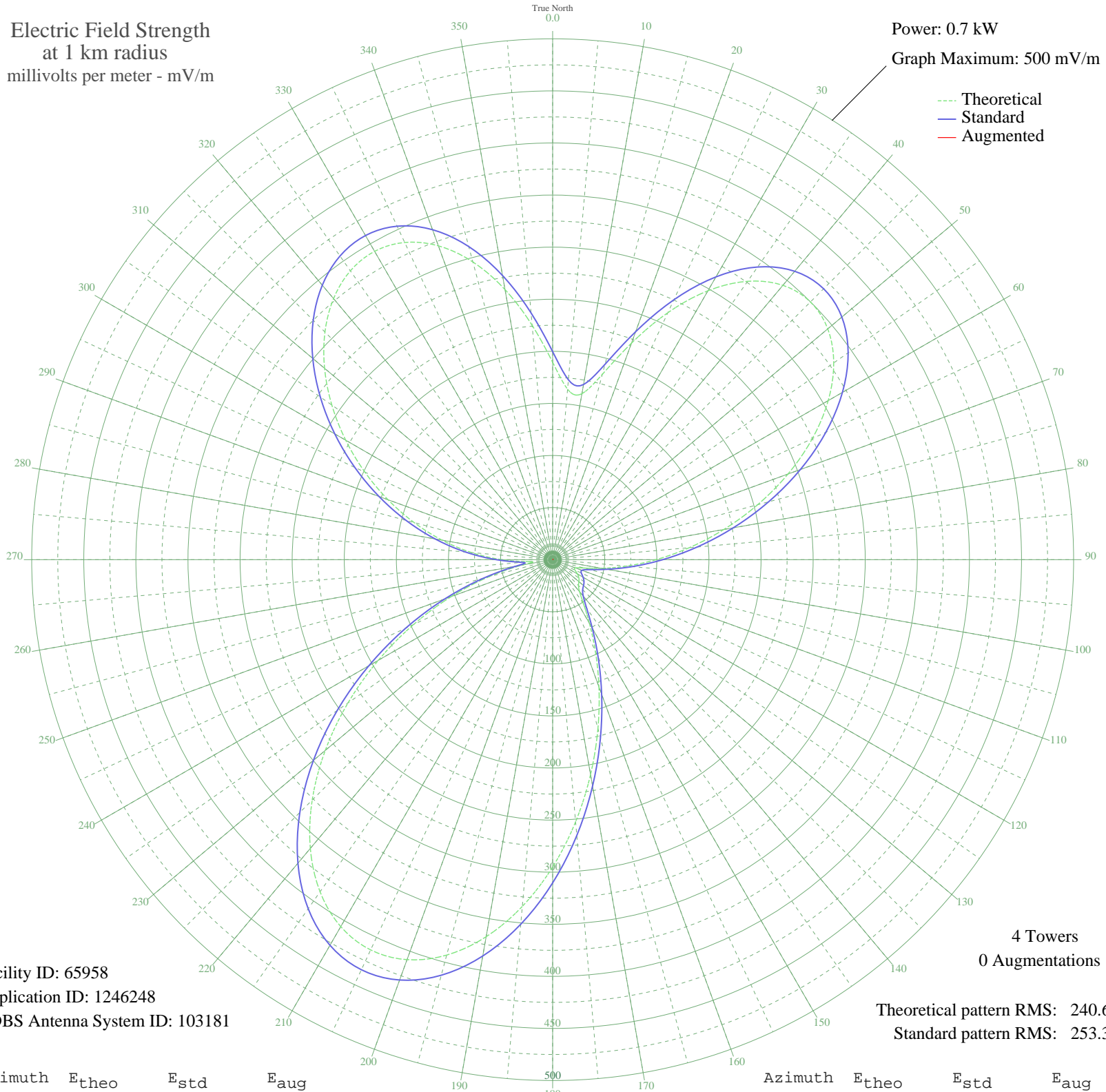
WLQR TOLEDO, OH BP-20080227ACC 1470 kHz

Nighttime

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

Power: 0.7 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 65958  
Application ID: 1246248  
CDBS Antenna System ID: 103181

4 Towers  
0 Augmentations

Theoretical pattern RMS: 240.69  
Standard pattern RMS: 253.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	189.45	199.69	
5	164.22	173.31	
10	161.76	170.75	
15	184.14	194.14	
20	221.16	232.88	
25	261.59	275.22	
30	298.04	313.43	
35	326.21	342.97	
40	343.78	361.39	
45	349.87	367.78	
50	344.68	362.34	
55	329.30	346.21	
60	305.40	321.14	
65	275.02	289.30	
70	240.39	253.02	
75	203.67	214.57	
80	166.83	176.04	
85	131.58	139.26	
90	99.28	105.70	
95	71.02	76.60	
100	47.81	53.16	
105	31.03	36.97	
110	23.00	29.81	
115	23.62	30.34	
120	27.47	33.72	
125	30.76	36.73	
130	32.87	38.68	
135	35.05	40.74	
140	40.20	45.68	
145	51.54	56.87	
150	70.56	76.12	
155	96.99	103.33	
160	129.86	137.47	
165	167.90	177.16	
170	209.49	220.65	
175	252.63	265.84	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	295.02	310.26	
185	334.15	351.30	
190	367.56	386.33	
195	392.98	412.99	
200	408.62	429.41	
205	413.35	434.37	
210	406.75	427.44	
215	389.20	409.04	
220	361.84	380.34	
225	326.38	343.14	
230	284.94	299.69	
235	239.81	252.41	
240	193.27	203.68	
245	147.30	155.65	
250	103.55	110.12	
255	63.36	68.79	
260	29.32	35.40	
265	22.58	29.45	
270	48.73	54.06	
275	78.16	83.91	
280	107.78	114.50	
285	137.70	145.64	
290	168.11	177.38	
295	198.84	209.51	
300	229.35	241.45	
305	258.72	272.22	
310	285.75	300.55	
315	309.06	324.98	
320	327.13	343.93	
325	338.48	355.84	
330	341.77	359.28	
335	335.97	353.20	
340	320.59	337.07	
345	295.89	311.17	
350	263.26	276.97	
355	225.81	237.74	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission