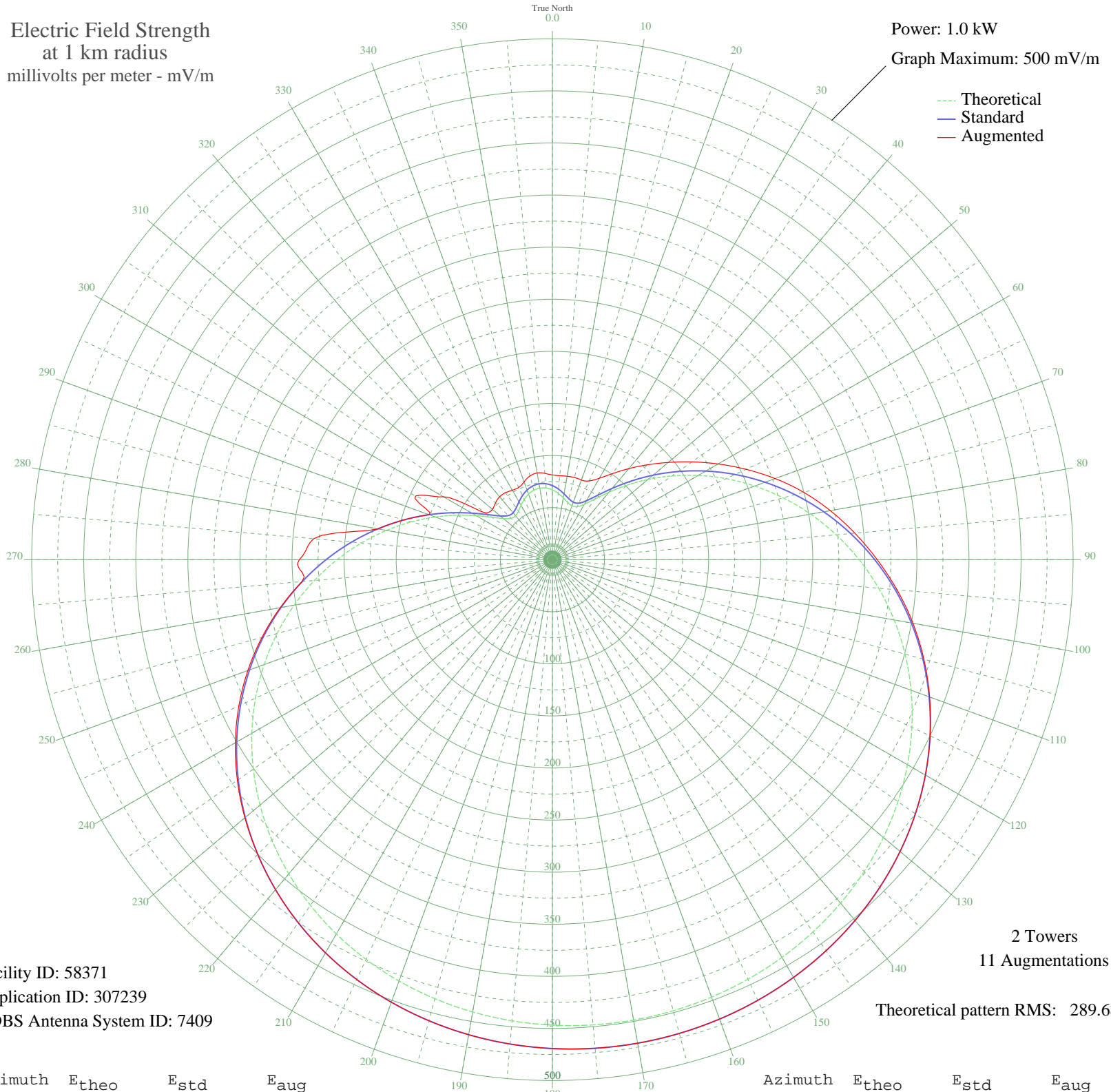


# WKFI WILMINGTON, OH BL-- 1090 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 58371  
Application ID: 307239  
CDBS Antenna System ID: 7409

2 Towers  
11 Augmentations  
Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	66.97	71.10	81.34
5	63.91	67.92	80.92
10	60.27	64.15	81.32
15	56.89	60.65	81.63
20	55.01	58.71	81.38
25	56.12	59.85	83.39
30	61.37	65.29	90.26
35	71.01	75.29	100.94
40	84.48	89.32	114.06
45	100.96	106.53	128.75
50	119.72	126.15	145.19
55	140.14	147.52	163.63
60	161.73	170.14	183.74
65	184.04	193.53	205.21
70	206.72	217.31	227.64
75	229.41	241.10	249.80
80	251.79	264.59	270.97
85	273.60	287.47	291.55
90	294.58	309.48	311.91
95	314.51	330.40	332.18
100	333.22	350.04	351.56
105	350.57	368.25	369.30
110	366.48	384.94	385.47
115	380.87	400.05	400.19
120	393.73	413.55	413.55
125	405.08	425.46	425.46
130	414.94	435.81	435.81
135	423.37	444.66	444.66
140	430.46	452.10	452.10
145	436.27	458.20	458.20
150	440.89	463.05	463.05
155	444.40	466.73	466.73
160	446.85	469.31	469.31
165	448.30	470.83	470.83
170	448.78	471.34	471.34
175	448.30	470.83	470.83

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	446.85	469.31	469.31
185	444.40	466.73	466.73
190	440.89	463.05	463.05
195	436.27	458.20	458.20
200	430.46	452.10	452.10
205	423.37	444.66	444.66
210	414.94	435.81	435.81
215	405.08	425.46	425.46
220	393.73	413.55	413.55
225	380.87	400.05	400.19
230	366.48	384.94	385.47
235	350.57	368.25	369.30
240	333.22	350.04	351.56
245	314.51	330.40	332.18
250	294.58	309.48	311.20
255	273.60	287.47	288.81
260	251.79	264.59	265.36
265	229.41	241.10	241.34
270	206.72	217.31	243.01
275	184.04	193.53	230.14
280	161.73	170.14	170.14
285	140.14	147.52	147.52
290	119.72	126.15	126.15
295	100.96	106.53	144.84
300	84.48	89.32	120.70
305	71.01	75.29	77.94
310	61.37	65.29	75.16
315	56.12	59.85	77.13
320	55.01	58.71	78.86
325	56.89	60.65	78.47
330	60.27	64.15	76.95
335	63.91	67.92	76.53
340	66.97	71.10	79.45
345	68.97	73.18	83.19
350	69.67	73.90	84.49
355	68.97	73.18	83.19