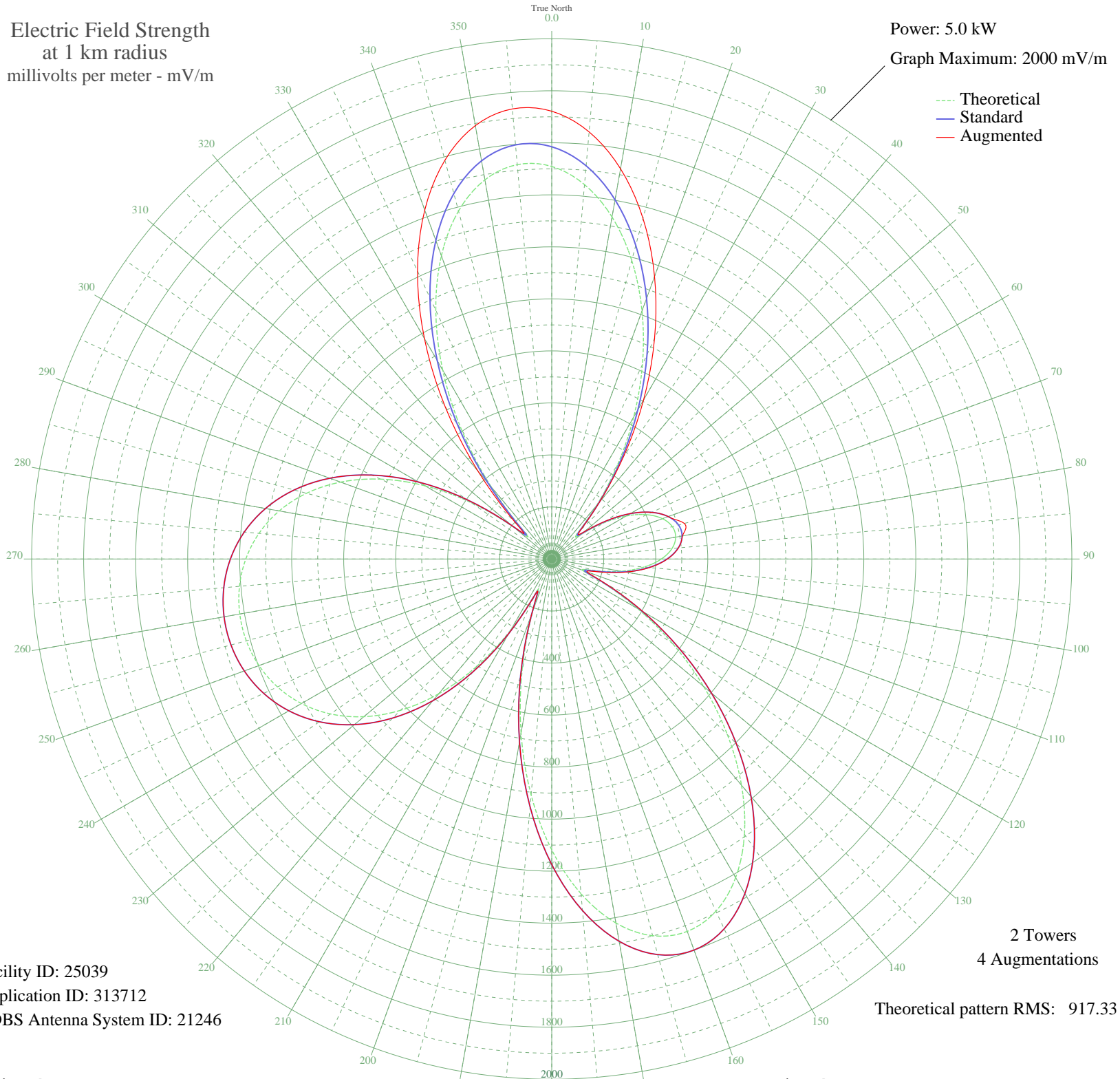


# WING DAYTON, OH BL-- 1410 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 25039  
Application ID: 313712  
CDBS Antenna System ID: 21246

2 Towers  
4 Augmentations

Theoretical pattern RMS: 917.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1509.13	1584.84	1721.46
5	1444.93	1517.45	1648.21
10	1335.22	1402.27	1523.34
15	1188.50	1248.25	1355.65
20	1014.90	1066.02	1155.79
25	825.23	866.96	935.34
30	630.25	662.37	706.39
35	440.47	463.36	482.38
40	268.02	282.85	285.50
45	141.53	151.29	156.00
50	146.90	156.83	161.07
55	239.51	253.08	255.22
60	330.69	348.38	349.44
65	403.08	424.18	424.64
70	453.20	476.70	476.83
75	480.21	505.01	528.04
80	483.93	508.92	510.22
85	464.37	488.41	489.01
90	421.60	443.59	444.99
95	356.16	375.04	377.62
100	270.24	285.17	289.54
105	173.82	184.70	192.14
110	125.02	134.30	144.16
115	219.84	232.57	237.57
120	382.66	402.80	404.93
125	568.45	597.54	598.39
130	762.91	801.56	801.81
135	955.43	1003.61	1003.63
140	1135.36	1192.47	1192.47
145	1291.83	1356.72	1356.72
150	1414.41	1485.40	1485.40
155	1493.97	1568.92	1568.92
160	1523.59	1600.02	1600.02
165	1499.40	1574.62	1574.62
170	1421.04	1492.36	1492.36
175	1291.82	1356.70	1356.70

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1118.43	1174.69	1174.69
185	910.39	956.34	956.34
190	679.37	713.90	713.90
195	439.15	461.98	461.98
200	212.84	225.28	225.28
205	140.21	149.93	149.93
210	314.69	331.64	331.64
215	505.63	531.67	531.67
220	676.86	711.26	711.26
225	822.93	864.54	864.54
230	943.11	990.67	990.67
235	1038.53	1090.83	1090.83
240	1111.27	1167.18	1167.18
245	1163.68	1222.19	1222.19
250	1197.96	1258.17	1258.17
255	1215.82	1276.93	1276.93
260	1218.25	1279.48	1279.48
265	1205.40	1265.98	1265.98
270	1176.52	1235.68	1235.68
275	1130.14	1186.99	1186.99
280	1064.17	1117.73	1117.73
285	976.25	1025.45	1025.45
290	864.17	907.82	907.82
295	726.42	763.27	763.27
300	562.98	591.81	591.81
305	377.14	397.01	397.01
310	186.57	197.95	197.95
315	156.03	166.27	197.42
320	363.32	382.54	442.06
325	602.74	633.52	714.27
330	838.36	880.74	979.33
335	1055.11	1108.23	1221.43
340	1240.73	1303.08	1427.66
345	1384.97	1454.49	1587.17
350	1480.13	1554.40	1691.84
355	1521.79	1598.14	1736.93