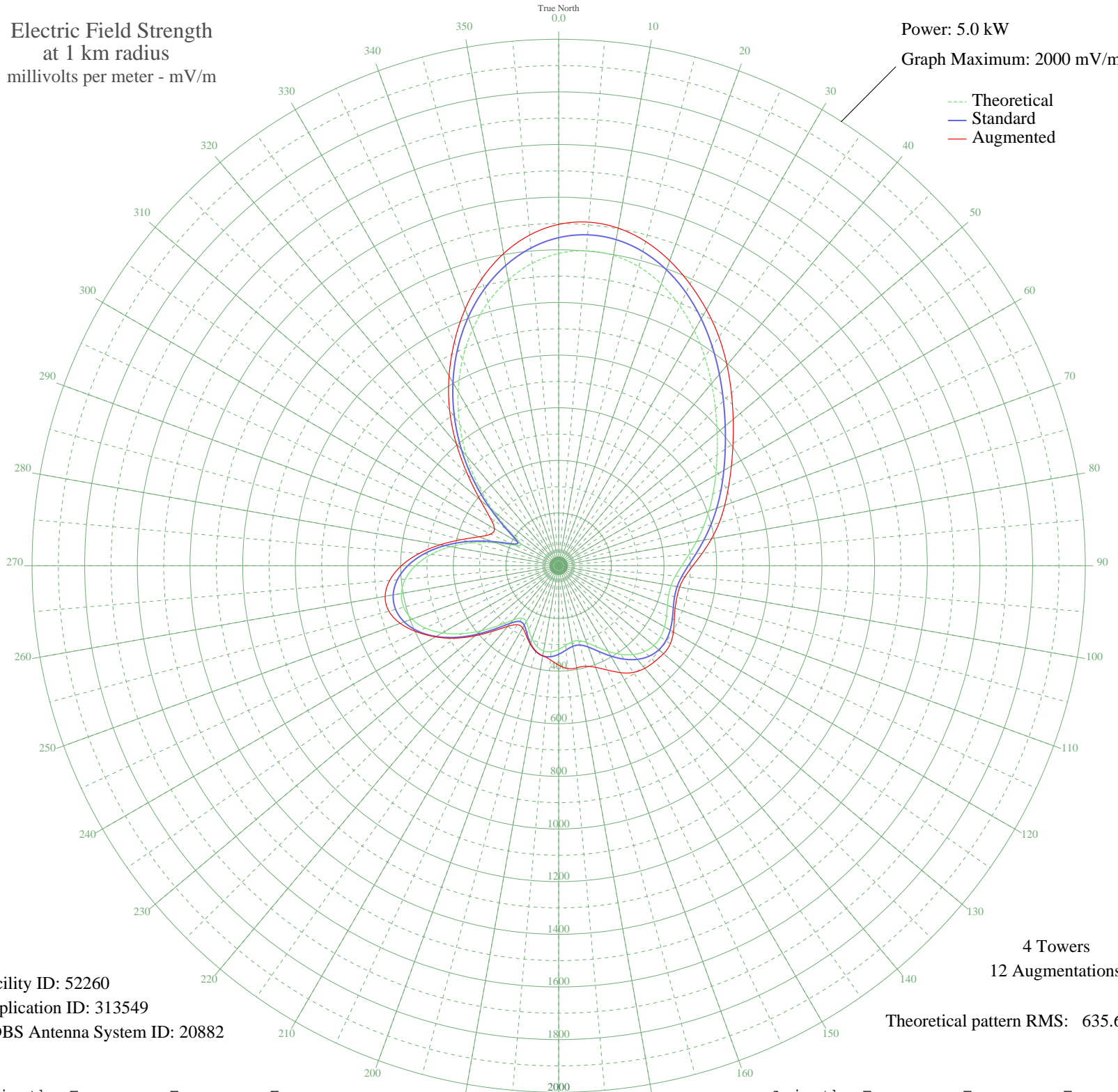


# WLAN LANCASTER, PA BL-- 1390 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 52260  
Application ID: 313549  
CDBS Antenna System ID: 20882

4 Towers  
12 Augmentations  
Theoretical pattern RMS: 635.69

Azimuth	Etheo	Estd	Eaug
0	1186.30	1246.27	1296.75
5	1201.10	1261.80	1310.13
10	1197.34	1257.85	1302.22
15	1175.95	1235.41	1275.22
20	1138.95	1196.58	1232.94
25	1089.33	1144.50	1180.33
30	1030.82	1083.11	1122.75
35	967.55	1016.73	1061.01
40	903.53	949.57	994.55
45	842.11	885.14	927.89
50	785.52	825.78	865.28
55	734.58	772.36	808.34
60	688.81	724.38	757.43
65	646.87	680.41	711.97
70	607.22	638.86	671.08
75	568.84	598.65	631.15
80	531.72	559.76	589.26
85	497.10	523.51	547.40
90	467.36	492.38	509.61
95	445.40	469.41	481.17
100	433.56	457.02	466.71
105	432.35	455.75	464.83
110	439.82	463.57	470.75
115	452.01	476.32	484.57
120	464.16	489.03	503.14
125	471.79	497.02	517.41
130	471.47	496.68	519.83
135	461.16	485.90	515.15
140	440.47	464.25	508.61
145	410.77	433.20	494.67
150	375.43	396.27	468.85
155	339.80	359.06	437.15
160	310.71	328.73	410.79
165	294.53	311.87	395.55
170	293.56	310.87	393.97
175	304.00	321.74	391.81

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	Etheo	Estd	Eaug
180	318.11	336.45	377.47
185	328.19	346.95	359.10
190	328.81	347.60	347.60
195	317.62	335.93	336.75
200	295.70	313.09	316.38
205	268.29	284.58	291.83
210	245.92	261.34	273.20
215	243.06	258.38	273.45
220	269.19	285.52	300.50
225	320.15	338.57	350.82
230	384.14	405.36	414.02
235	450.28	474.51	479.82
240	510.60	537.64	540.31
245	559.51	588.87	594.80
250	593.20	624.16	640.31
255	609.23	640.96	667.48
260	606.40	638.00	669.10
265	584.53	615.09	644.49
270	544.41	573.05	597.22
275	487.69	513.66	532.34
280	416.98	439.68	457.42
285	336.29	355.41	383.04
290	252.81	268.49	321.50
295	183.54	196.90	284.44
300	167.73	180.68	281.57
305	225.77	240.46	317.63
310	322.27	340.78	389.38
315	431.84	455.22	488.25
320	544.71	573.37	604.35
325	656.30	690.29	722.43
330	763.63	802.83	832.58
335	864.24	908.35	937.60
340	955.79	1004.39	1037.97
345	1035.93	1088.48	1128.41
350	1102.39	1158.21	1204.12
355	1153.07	1211.40	1261.15