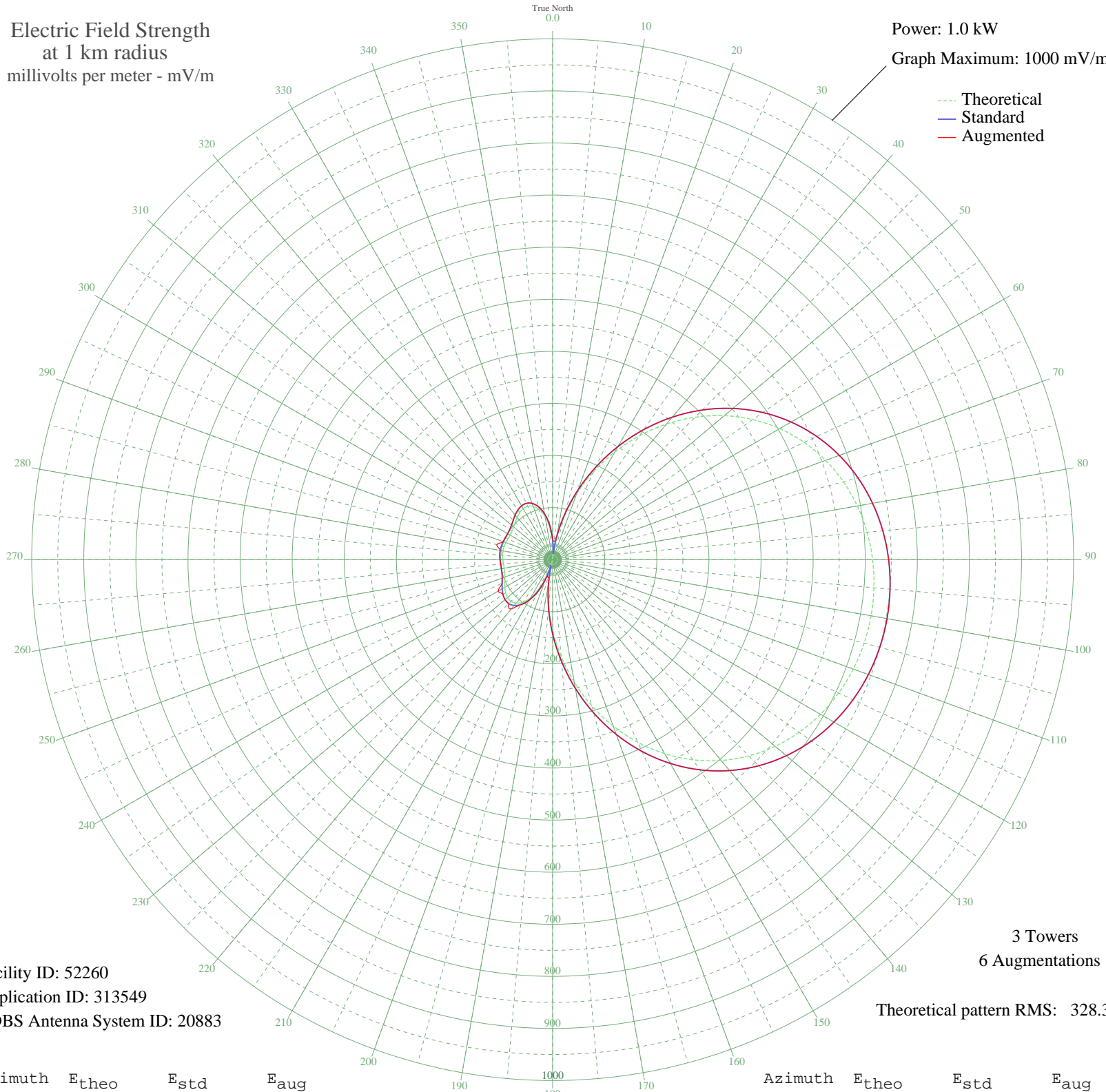


# WLAN LANCASTER, PA BL-- 1390 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 52260  
Application ID: 313549  
CDBS Antenna System ID: 20883

3 Towers  
6 Augmentations

Theoretical pattern RMS: 328.31

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	34.10	37.55	40.26
5	1.73	11.46	35.41
10	41.16	44.68	46.99
15	86.42	91.44	91.44
20	135.31	142.53	142.53
25	186.50	196.15	196.15
30	238.56	250.74	250.74
35	290.11	304.83	304.83
40	339.90	357.07	357.07
45	386.83	406.33	406.33
50	430.06	451.70	451.70
55	468.99	492.56	492.56
60	503.26	528.55	528.55
65	532.76	559.51	559.51
70	557.53	585.51	585.51
75	577.77	606.76	606.76
80	593.74	623.53	623.53
85	605.76	636.15	636.15
90	614.11	644.91	644.91
95	619.02	650.06	650.06
100	620.63	651.76	651.76
105	619.02	650.06	650.06
110	614.11	644.91	644.91
115	605.76	636.15	636.15
120	593.74	623.53	623.53
125	577.77	606.76	606.76
130	557.53	585.51	585.51
135	532.76	559.51	559.51
140	503.26	528.55	528.55
145	468.99	492.56	492.56
150	430.06	451.70	451.70
155	386.83	406.33	406.33
160	339.90	357.07	357.07
165	290.11	304.83	304.83
170	238.56	250.74	250.74
175	186.50	196.15	196.15

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	135.31	142.53	142.53
185	86.42	91.44	91.44
190	41.16	44.68	44.68
195	1.73	11.46	35.41
200	34.10	37.55	38.02
205	62.46	66.56	69.05
210	84.25	89.18	89.18
215	99.57	105.16	105.16
220	108.91	114.91	123.34
225	113.07	119.26	120.15
230	113.12	119.31	119.31
235	110.30	116.37	116.37
240	105.96	111.83	120.70
245	101.38	107.05	107.05
250	97.60	103.11	103.11
255	95.26	100.66	100.66
260	94.43	99.80	99.80
265	94.76	100.14	100.14
270	95.63	101.05	101.05
275	96.44	101.89	101.89
280	96.75	102.22	102.22
285	96.44	101.89	111.04
290	95.63	101.05	101.05
295	94.76	100.14	100.14
300	94.43	99.80	99.80
305	95.26	100.66	100.66
310	97.60	103.11	103.11
315	101.38	107.05	107.05
320	105.96	111.83	111.83
325	110.30	116.37	116.37
330	113.12	119.31	119.31
335	113.07	119.26	119.26
340	108.91	114.91	114.91
345	99.57	105.16	105.16
350	84.25	89.18	89.18
355	62.46	66.56	66.56

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission