

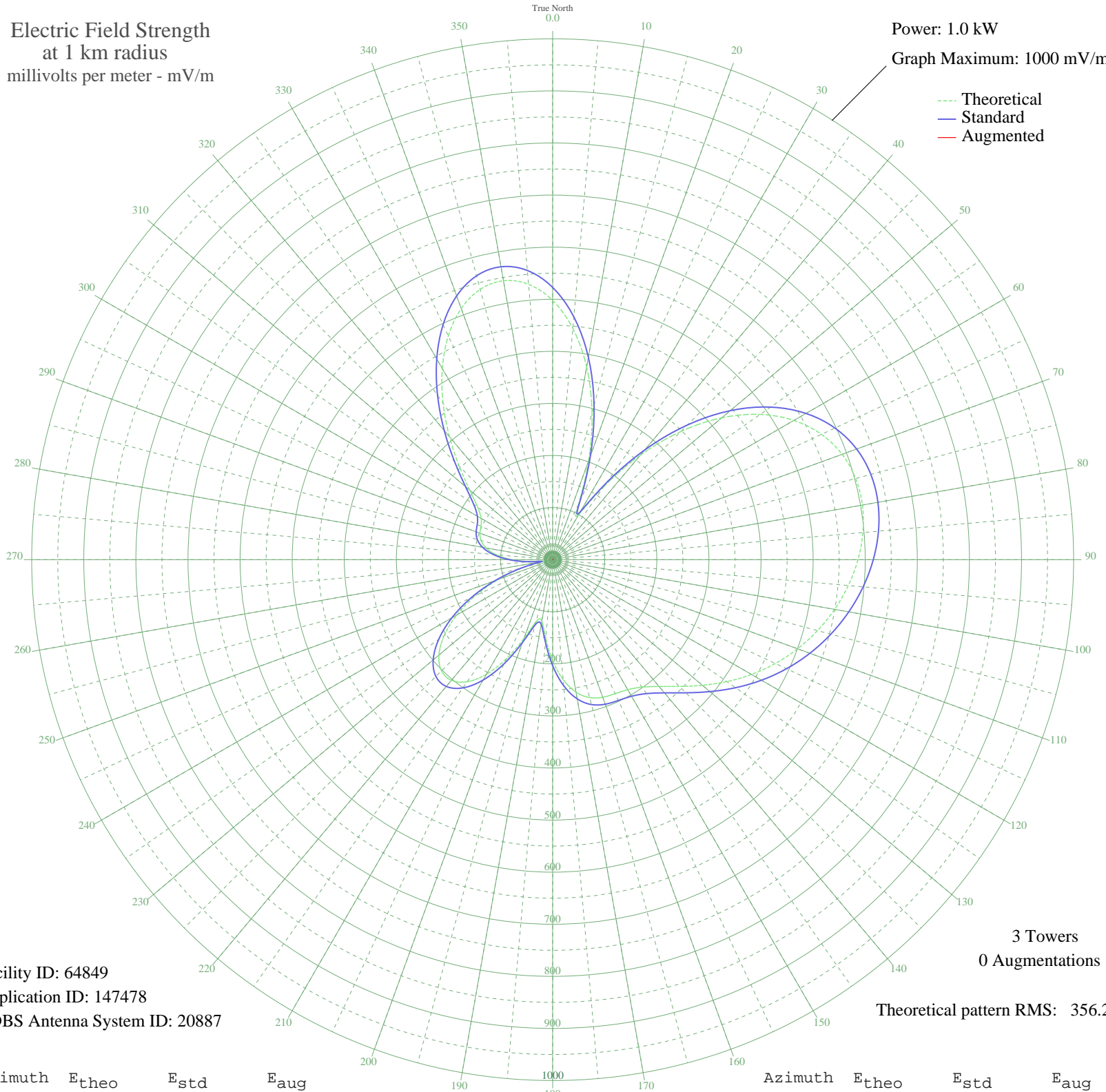
WRSC STATE COLLEGE, PA BL-19900417AE 1390 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 64849  
Application ID: 147478  
CDBS Antenna System ID: 20887

3 Towers  
0 Augmentations

Theoretical pattern RMS: 356.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	497.75	522.74	
5	445.39	467.78	
10	375.71	394.64	
15	292.27	307.06	
20	201.22	211.55	
25	118.05	124.40	
30	100.62	106.17	
35	171.64	180.53	
40	261.80	275.09	
45	347.99	365.54	
50	423.70	445.00	
55	486.23	510.65	
60	534.69	561.52	
65	569.34	597.90	
70	591.29	620.95	
75	602.16	632.35	
80	603.75	634.02	
85	597.86	627.84	
90	586.08	615.47	
95	569.68	598.26	
100	549.59	577.16	
105	526.37	552.79	
110	500.34	525.46	
115	471.69	495.39	
120	440.73	462.88	
125	408.11	428.64	
130	375.18	394.08	
135	344.13	361.49	
140	317.81	333.87	
145	298.88	314.00	
150	288.26	302.86	
155	283.91	298.29	
160	281.08	295.32	
165	274.11	288.01	
170	258.27	271.38	
175	231.11	242.89	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	193.46	203.40	
185	151.18	159.09	
190	119.66	126.08	
195	122.96	129.54	
200	160.78	169.14	
205	209.64	220.37	
210	253.97	266.87	
215	286.11	300.60	
220	302.42	317.71	
225	301.77	317.04	
230	284.97	299.40	
235	254.18	267.10	
240	212.53	223.41	
245	163.60	172.10	
250	111.12	117.15	
255	58.97	62.80	
260	16.93	20.65	
265	42.08	45.42	
270	78.97	83.58	
275	108.60	114.51	
280	129.64	136.52	
285	142.34	149.83	
290	148.46	156.24	
295	151.81	159.74	
300	158.58	166.84	
305	175.88	184.97	
310	207.83	218.47	
315	253.39	266.26	
320	308.15	323.73	
325	366.71	385.19	
330	423.65	444.95	
335	473.93	497.74	
340	513.06	538.81	
345	537.28	564.24	
350	543.76	571.05	
355	530.77	557.41	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission