

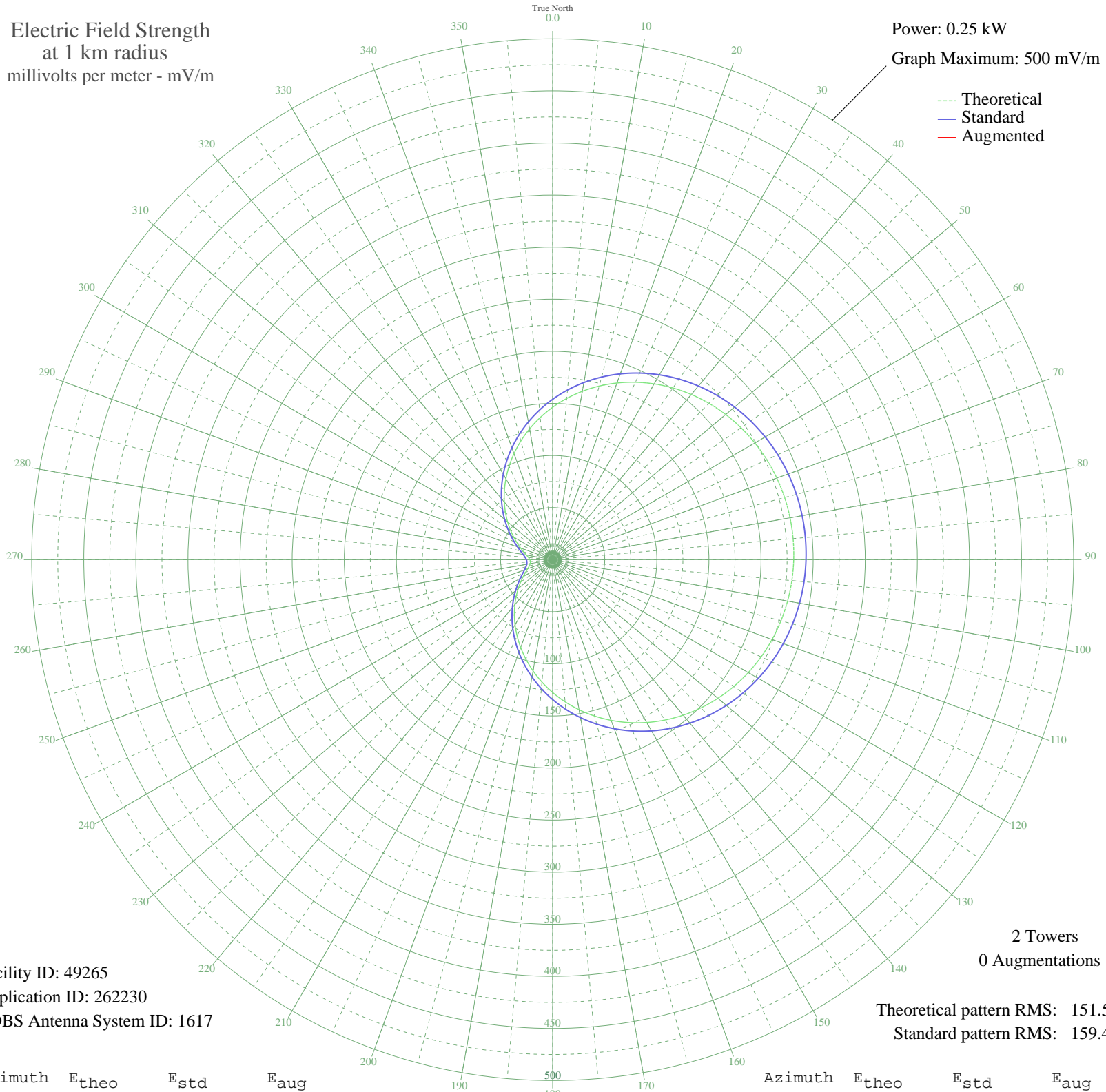
**WRKK HUGHESVILLE, PA BL-19980209KC 1200 kHz**

**Nighttime**

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 49265  
Application ID: 262230  
CDBS Antenna System ID: 1617

2 Towers  
0 Augmentations

Theoretical pattern RMS: 151.54  
Standard pattern RMS: 159.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	146.28	153.95	
5	155.36	163.46	
10	164.12	172.65	
15	172.51	181.44	
20	180.46	189.77	
25	187.92	197.59	
30	194.85	204.86	
35	201.23	211.55	
40	207.02	217.62	
45	212.21	223.06	
50	216.78	227.87	
55	220.75	232.02	
60	224.09	235.53	
65	226.82	238.40	
70	228.94	240.62	
75	230.45	242.20	
80	231.36	243.15	
85	231.66	243.47	
90	231.36	243.15	
95	230.45	242.20	
100	228.94	240.62	
105	226.82	238.40	
110	224.09	235.53	
115	220.75	232.02	
120	216.78	227.87	
125	212.21	223.06	
130	207.02	217.62	
135	201.23	211.55	
140	194.85	204.86	
145	187.92	197.59	
150	180.46	189.77	
155	172.51	181.44	
160	164.12	172.65	
165	155.36	163.46	
170	146.28	153.95	
175	136.96	144.19	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	127.48	134.26	
185	117.92	124.26	
190	108.38	114.28	
195	98.94	104.42	
200	89.70	94.77	
205	80.74	85.42	
210	72.15	76.48	
215	64.01	68.03	
220	56.41	60.16	
225	49.41	52.94	
230	43.09	46.44	
235	37.48	40.73	
240	32.66	35.87	
245	28.66	31.87	
250	25.51	28.77	
255	23.24	26.56	
260	21.87	25.25	
265	21.41	24.81	
270	21.87	25.25	
275	23.24	26.56	
280	25.51	28.77	
285	28.66	31.87	
290	32.66	35.87	
295	37.48	40.73	
300	43.09	46.44	
305	49.41	52.94	
310	56.41	60.16	
315	64.01	68.03	
320	72.15	76.48	
325	80.74	85.42	
330	89.70	94.77	
335	98.94	104.42	
340	108.38	114.28	
345	117.92	124.26	
350	127.48	134.26	
355	136.96	144.19	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission