

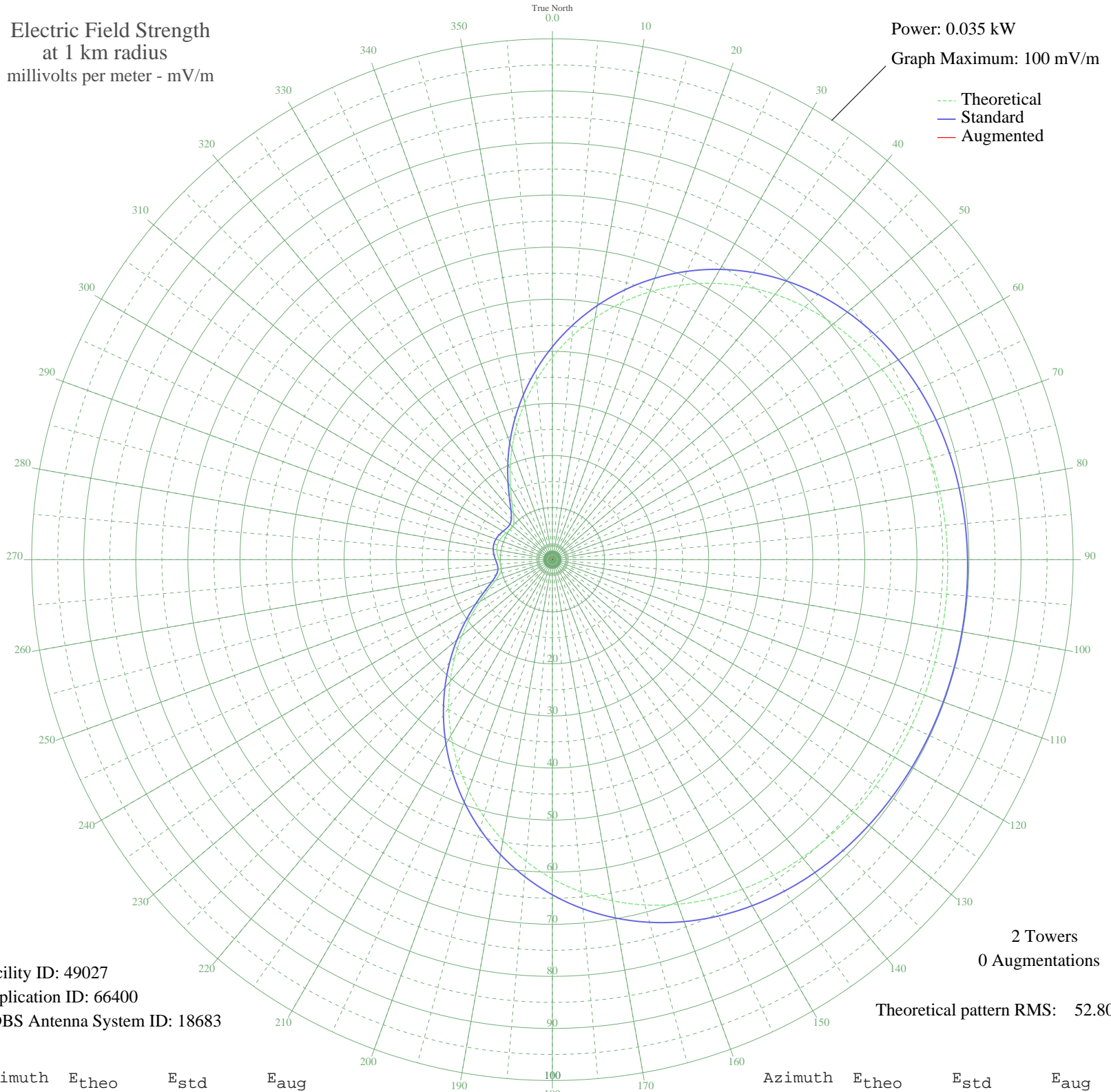
**WBHV SOMERSET, PA BL-19840209AC 1330 kHz**

**Nighttime**

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

Power: 0.035 kW  
Graph Maximum: 100 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 49027  
Application ID: 66400  
CDBS Antenna System ID: 18683

2 Towers  
0 Augmentations

Theoretical pattern RMS: 52.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	38.89	40.88	
5	43.06	45.25	
10	47.13	49.52	
15	51.03	53.62	
20	54.72	57.49	
25	58.14	61.08	
30	61.26	64.35	
35	64.05	67.29	
40	66.51	69.86	
45	68.62	72.08	
50	70.40	73.95	
55	71.87	75.49	
60	73.05	76.72	
65	73.96	77.69	
70	74.66	78.41	
75	75.16	78.95	
80	75.52	79.32	
85	75.76	79.57	
90	75.91	79.73	
95	76.00	79.82	
100	76.04	79.87	
105	76.06	79.88	
110	76.04	79.87	
115	76.00	79.82	
120	75.91	79.73	
125	75.76	79.57	
130	75.52	79.32	
135	75.16	78.95	
140	74.66	78.41	
145	73.96	77.69	
150	73.05	76.72	
155	71.87	75.49	
160	70.40	73.95	
165	68.62	72.08	
170	66.51	69.86	
175	64.05	67.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	61.26	64.35	
185	58.14	61.08	
190	54.72	57.49	
195	51.03	53.62	
200	47.13	49.52	
205	43.06	45.25	
210	38.89	40.88	
215	34.69	36.48	
220	30.54	32.13	
225	26.52	27.91	
230	22.70	23.92	
235	19.20	20.25	
240	16.11	17.03	
245	13.55	14.36	
250	11.63	12.37	
255	10.45	11.14	
260	9.95	10.63	
265	9.96	10.64	
270	10.24	10.93	
275	10.57	11.28	
280	10.83	11.54	
285	10.92	11.64	
290	10.83	11.54	
295	10.57	11.28	
300	10.24	10.93	
305	9.96	10.64	
310	9.95	10.63	
315	10.45	11.14	
320	11.63	12.37	
325	13.55	14.36	
330	16.11	17.03	
335	19.20	20.25	
340	22.70	23.92	
345	26.52	27.91	
350	30.54	32.13	
355	34.69	36.48	

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