

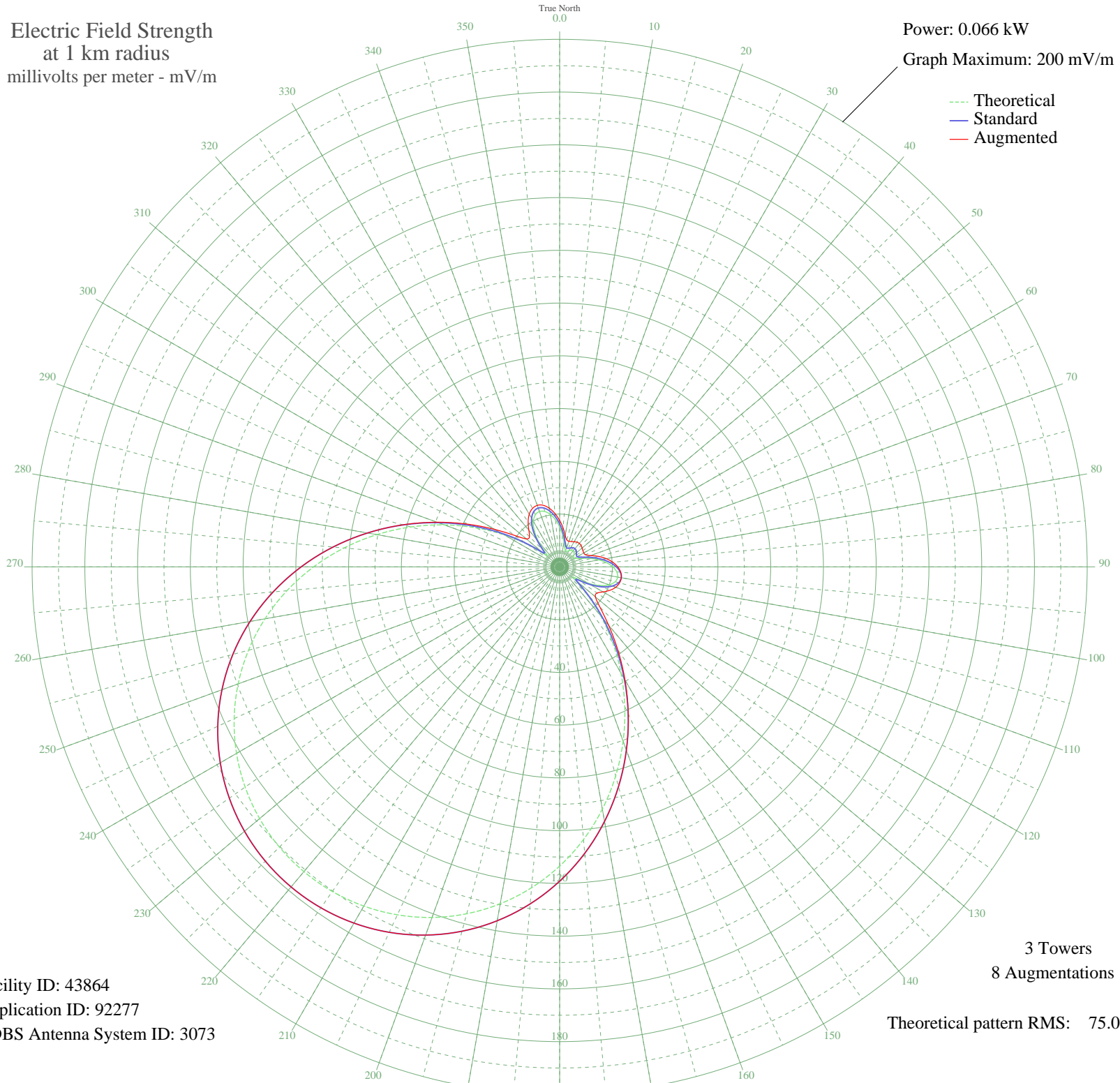
**WBGR BALTIMORE, MD BL-19860918AB 860 kHz**

**Nighttime**

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

Power: 0.066 kW  
Graph Maximum: 200 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 43864  
Application ID: 92277  
CDBS Antenna System ID: 3073

3 Towers  
8 Augmentations

Theoretical pattern RMS: 75.08

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	15.15	16.32	17.59
5	12.27	13.39	14.84
10	9.58	10.70	12.12
15	7.50	8.68	10.56
20	6.46	7.71	10.32
25	6.51	7.74	10.55
30	7.09	8.29	10.98
35	7.65	8.82	11.42
40	7.86	9.02	11.60
45	7.65	8.82	11.46
50	7.09	8.29	11.12
55	6.51	7.74	10.75
60	6.46	7.70	10.55
65	7.50	8.68	10.86
70	9.58	10.70	12.51
75	12.27	13.39	15.26
80	15.15	16.32	17.93
85	17.88	19.12	20.22
90	20.16	21.47	22.03
95	21.72	23.09	23.24
100	22.33	23.73	23.73
105	21.78	23.16	23.51
110	19.94	21.25	22.62
115	16.74	17.96	21.02
120	12.32	13.44	18.98
125	7.57	8.75	17.31
130	7.42	8.60	17.70
135	14.46	15.62	21.61
140	24.11	25.58	28.88
145	34.96	36.89	38.48
150	46.51	48.97	49.58
155	58.41	61.44	61.57
160	70.35	73.96	73.96
165	82.05	86.23	86.23
170	93.26	97.99	97.99
175	103.78	109.03	109.03

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	113.44	119.17	119.17
185	122.11	128.27	128.27
190	129.70	136.23	136.23
195	136.16	143.01	143.01
200	141.45	148.56	148.56
205	145.56	152.88	152.88
210	148.49	155.95	155.95
215	150.24	157.80	157.80
220	150.83	158.41	158.41
225	150.24	157.80	157.80
230	148.49	155.95	155.95
235	145.56	152.88	152.88
240	141.45	148.56	148.56
245	136.16	143.01	143.01
250	129.70	136.23	136.23
255	122.11	128.27	128.27
260	113.44	119.17	119.17
265	103.78	109.03	109.03
270	93.26	97.99	97.99
275	82.05	86.23	86.23
280	70.35	73.96	73.96
285	58.41	61.44	61.55
290	46.51	48.97	49.48
295	34.96	36.89	38.21
300	24.11	25.58	28.34
305	14.46	15.62	20.71
310	7.42	8.60	16.50
315	7.57	8.75	16.17
320	12.32	13.44	18.18
325	16.74	17.96	20.82
330	19.94	21.25	23.05
335	21.78	23.16	24.40
340	22.33	23.73	24.80
345	21.72	23.09	24.17
350	20.16	21.47	22.57
355	17.88	19.12	20.27

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission