

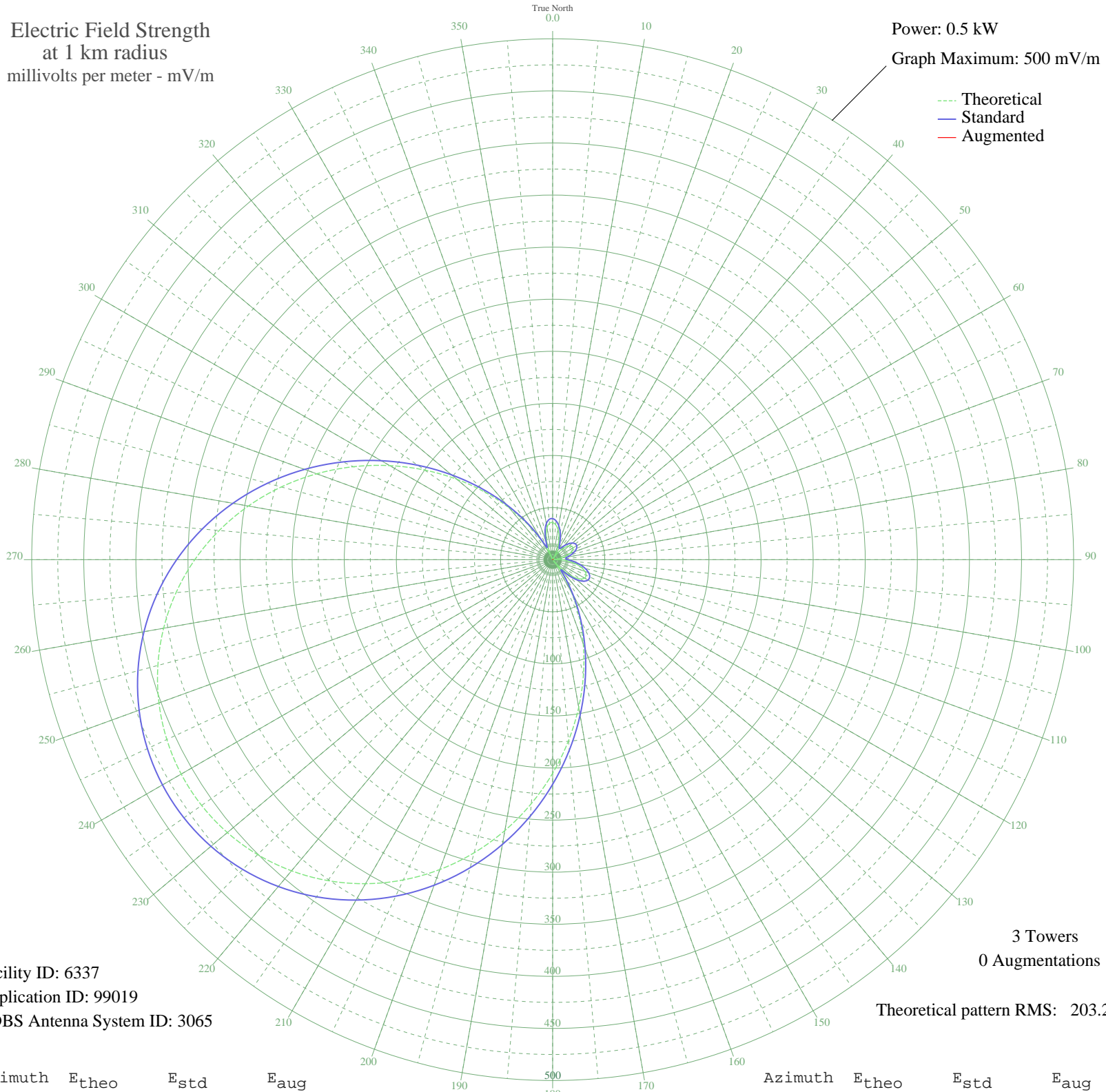
# WMRI MARION, IN BL-19870318AR 860 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 6337  
Application ID: 99019  
CDBS Antenna System ID: 3065

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 203.27

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	35.65	39.43	
5	33.64	37.43	
10	29.43	33.29	
15	23.57	27.67	
20	16.60	21.38	
25	9.08	15.63	
30	1.53	12.49	
35	5.58	13.70	
40	11.82	17.54	
45	16.87	21.61	
50	20.44	24.78	
55	22.37	26.55	
60	22.54	26.72	
65	20.96	25.26	
70	17.71	22.34	
75	12.94	18.38	
80	6.91	14.35	
85	0.06	12.38	
90	7.56	14.71	
95	15.13	20.14	
100	22.25	26.44	
105	28.38	32.27	
110	32.96	36.75	
115	35.45	39.23	
120	35.36	39.14	
125	32.25	36.05	
130	25.78	29.77	
135	15.75	20.66	
140	2.07	12.57	
145	15.20	20.20	
150	35.86	39.64	
155	59.57	63.76	
160	85.86	91.00	
165	114.19	120.54	
170	143.93	151.63	
175	174.44	183.58	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	205.04	215.65	
185	235.11	247.18	
190	264.05	277.53	
195	291.34	306.16	
200	316.53	332.59	
205	339.25	356.42	
210	359.18	377.35	
215	376.12	395.12	
220	389.90	409.58	
225	400.40	420.61	
230	407.55	428.11	
235	411.31	432.05	
240	411.65	432.41	
245	408.58	429.19	
250	402.10	422.39	
255	392.27	412.07	
260	379.14	398.29	
265	362.82	381.16	
270	343.46	360.85	
275	321.28	337.58	
280	296.56	311.64	
285	269.66	283.41	
290	241.01	253.36	
295	211.12	222.02	
300	180.57	190.00	
305	149.99	157.98	
310	120.04	126.65	
315	91.38	96.75	
320	64.64	68.99	
325	40.37	44.16	
330	19.07	23.55	
335	1.10	12.44	
340	13.31	18.67	
345	24.07	28.14	
350	31.23	35.05	
355	34.99	38.77	

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