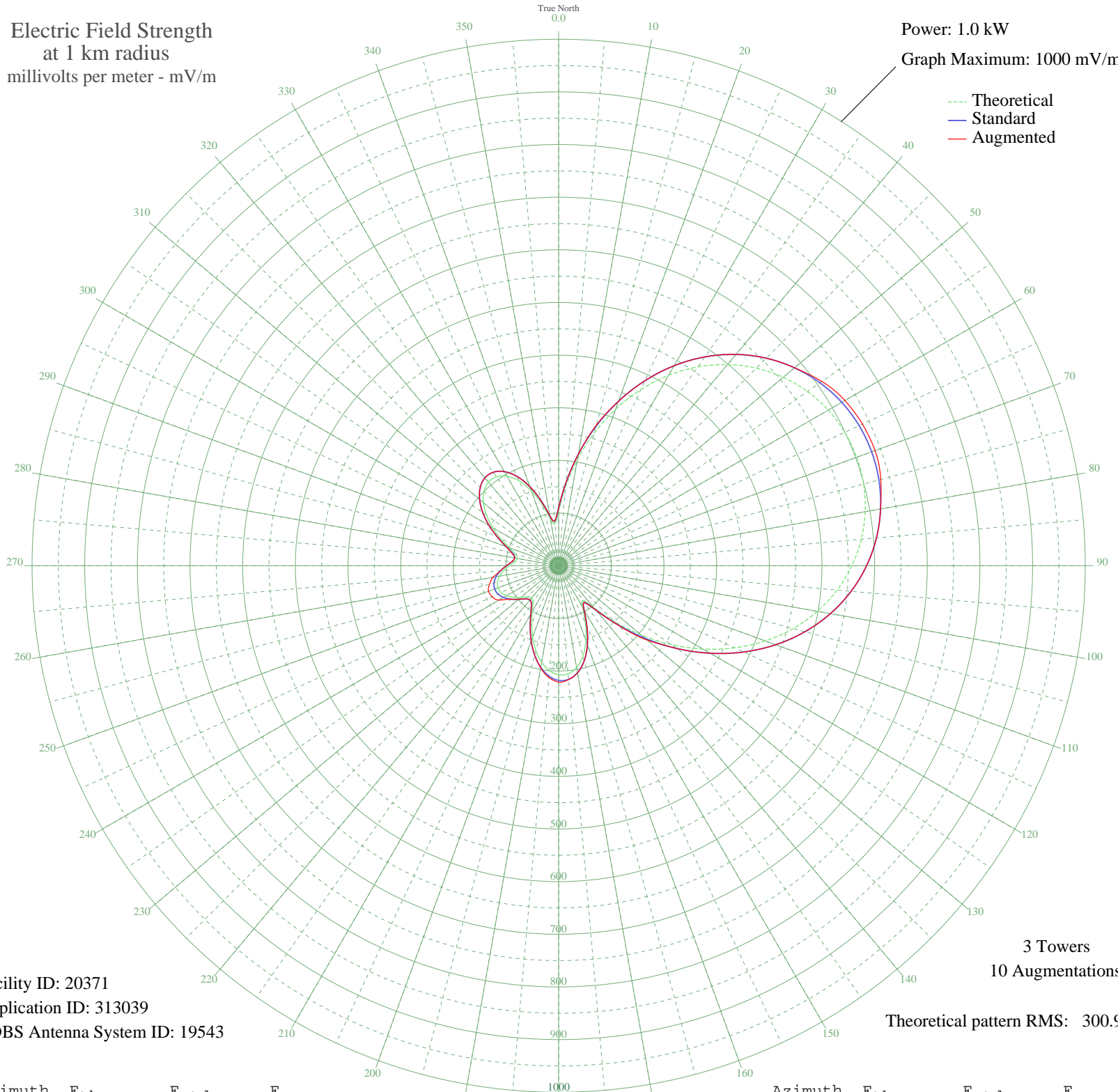


# WMMV COCOA, FL BL-- 1350 kHz

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: 20371  
Application ID: 313039  
CDBS Antenna System ID: 19543

3 Towers  
10 Augmentations

Theoretical pattern RMS: 300.95

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	103.95	109.99	109.99
5	149.89	157.98	157.98
10	204.24	214.88	214.88
15	260.77	274.15	276.65
20	316.36	332.45	332.45
25	369.06	387.75	387.75
30	417.57	438.66	438.66
35	461.01	484.25	484.25
40	498.84	523.96	523.96
45	530.79	557.50	557.50
50	556.77	584.77	584.94
55	576.82	605.81	610.19
60	591.02	620.72	627.69
65	599.49	629.61	636.47
70	602.30	632.56	639.38
75	599.49	629.61	633.30
80	591.02	620.72	620.76
85	576.82	605.81	605.81
90	556.77	584.77	584.77
95	530.79	557.50	557.50
100	498.84	523.96	523.96
105	461.01	484.25	484.25
110	417.57	438.66	438.66
115	369.06	387.75	387.75
120	316.36	332.45	332.45
125	260.77	274.15	274.15
130	204.24	214.88	220.06
135	149.89	157.98	158.73
140	103.95	109.99	109.99
145	80.20	85.30	85.30
150	90.77	96.28	96.28
155	120.27	127.02	127.02
160	151.56	159.72	159.72
165	177.75	187.13	187.13
170	196.21	206.47	206.47
175	205.99	216.72	216.94

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	207.08	217.86	221.09
185	200.10	210.55	212.89
190	186.22	196.00	196.62
195	167.02	175.90	175.90
200	144.50	152.33	152.33
205	121.11	127.90	127.90
210	100.00	105.88	105.88
215	85.02	90.30	90.30
220	79.65	84.74	84.74
225	83.86	89.10	89.10
230	93.67	99.30	99.30
235	104.73	110.81	110.81
240	114.15	120.62	130.35
245	120.31	127.06	139.35
250	122.45	129.29	141.62
255	120.31	127.06	135.82
260	114.15	120.62	126.56
265	104.73	110.81	110.81
270	93.67	99.30	99.30
275	83.86	89.10	89.10
280	79.65	84.74	84.74
285	85.02	90.30	92.04
290	100.00	105.88	105.88
295	121.11	127.90	127.90
300	144.50	152.33	152.33
305	167.02	175.90	175.90
310	186.22	196.00	196.00
315	200.10	210.55	210.55
320	207.08	217.86	217.86
325	205.99	216.72	216.72
330	196.21	206.47	206.47
335	177.75	187.13	187.13
340	151.56	159.72	159.72
345	120.27	127.02	127.02
350	90.77	96.28	96.28
355	80.20	85.30	85.30

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