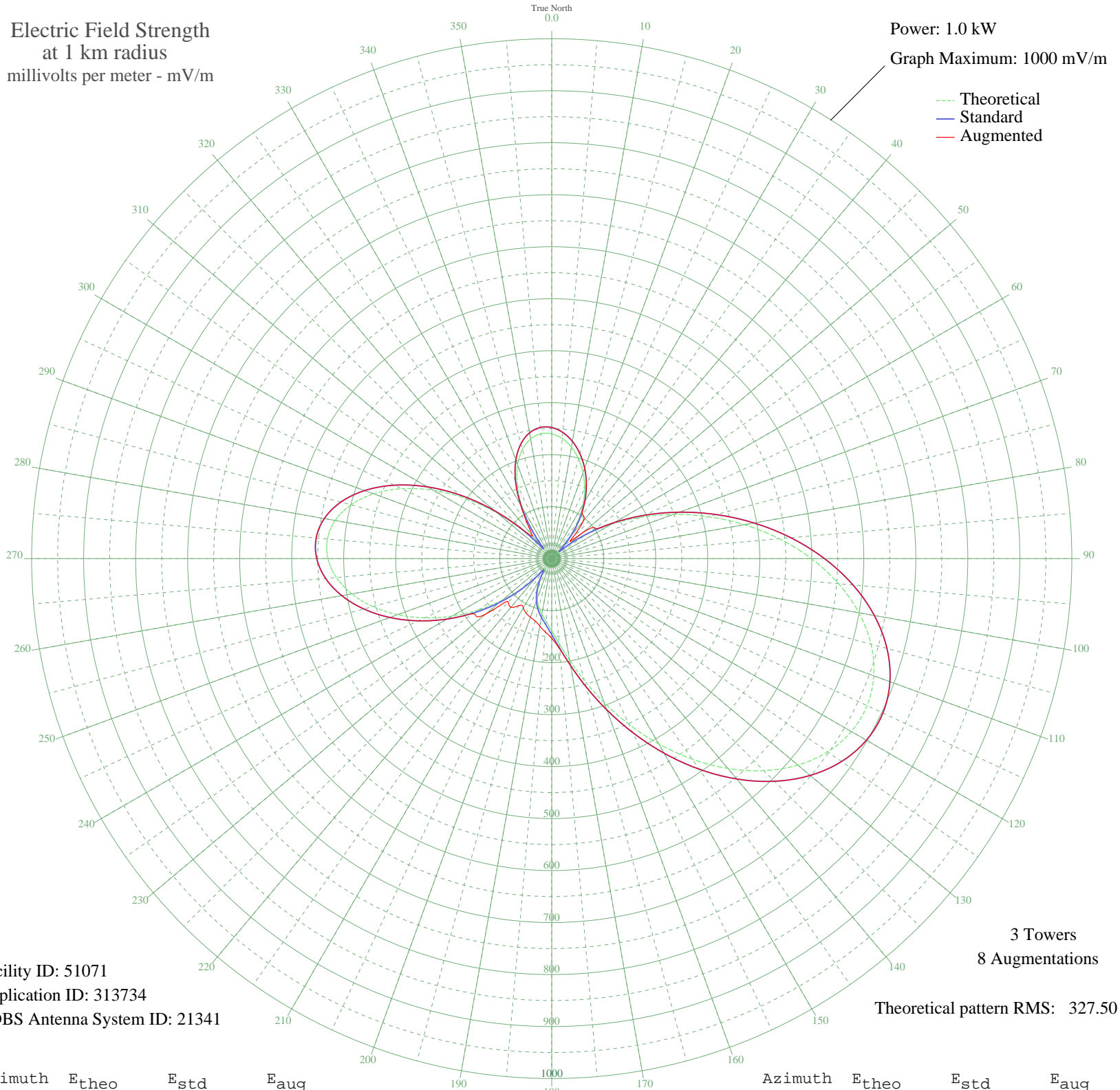


# WVJS OWENSBORO, KY BL-- 1420 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 51071  
Application ID: 313734  
CDBS Antenna System ID: 21341

3 Towers  
8 Augmentations  
Theoretical pattern RMS: 327.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	239.94	252.17	252.17
5	231.88	243.71	243.71
10	217.84	228.99	228.99
15	198.89	209.12	209.12
20	175.94	185.06	185.06
25	149.66	157.52	157.52
30	120.43	126.91	126.91
35	88.38	93.43	103.26
40	53.63	57.35	94.06
45	19.14	22.85	55.41
50	33.98	37.30	77.15
55	79.75	84.44	102.07
60	131.55	138.55	138.55
65	188.09	197.79	197.79
70	248.55	261.21	261.21
75	311.75	327.52	327.52
80	376.04	395.00	395.00
85	439.39	461.49	461.49
90	499.45	524.53	524.53
95	553.73	581.52	581.52
100	599.80	629.88	629.88
105	635.46	667.32	667.32
110	658.93	691.96	691.96
115	669.02	702.56	702.56
120	665.24	698.58	698.58
125	647.82	680.30	680.30
130	617.75	648.73	648.73
135	576.68	605.61	605.61
140	526.81	553.25	553.25
145	470.76	494.42	494.42
150	411.41	432.11	432.11
155	351.72	369.46	369.46
160	294.61	309.53	309.53
165	242.83	255.21	255.21
170	198.76	208.98	208.98
175	164.01	172.55	174.35

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	138.84	146.19	153.30
185	121.52	128.05	141.55
190	108.59	114.54	131.84
195	96.21	101.61	124.00
200	81.38	86.14	120.05
205	62.46	66.47	116.01
210	39.77	43.15	109.33
215	22.74	26.23	110.39
220	42.13	45.55	122.06
225	80.42	85.13	118.58
230	124.74	131.42	166.83
235	172.26	181.20	184.18
240	221.10	232.41	232.41
245	269.38	283.06	283.06
250	315.08	331.01	331.01
255	356.08	374.04	374.04
260	390.25	409.90	409.90
265	415.55	436.46	436.46
270	430.21	451.86	451.86
275	432.89	454.67	454.67
280	422.79	444.06	444.06
285	399.77	419.89	419.89
290	364.43	382.80	382.80
295	318.10	334.18	334.18
300	262.77	276.12	276.12
305	200.97	211.29	211.29
310	135.67	142.87	142.87
315	70.53	74.84	78.97
320	20.64	24.24	58.05
325	60.59	64.54	81.29
330	112.14	118.25	119.49
335	156.50	164.69	164.69
340	191.83	201.72	201.72
345	217.56	228.69	228.69
350	233.74	245.67	245.67
355	240.91	253.19	253.19