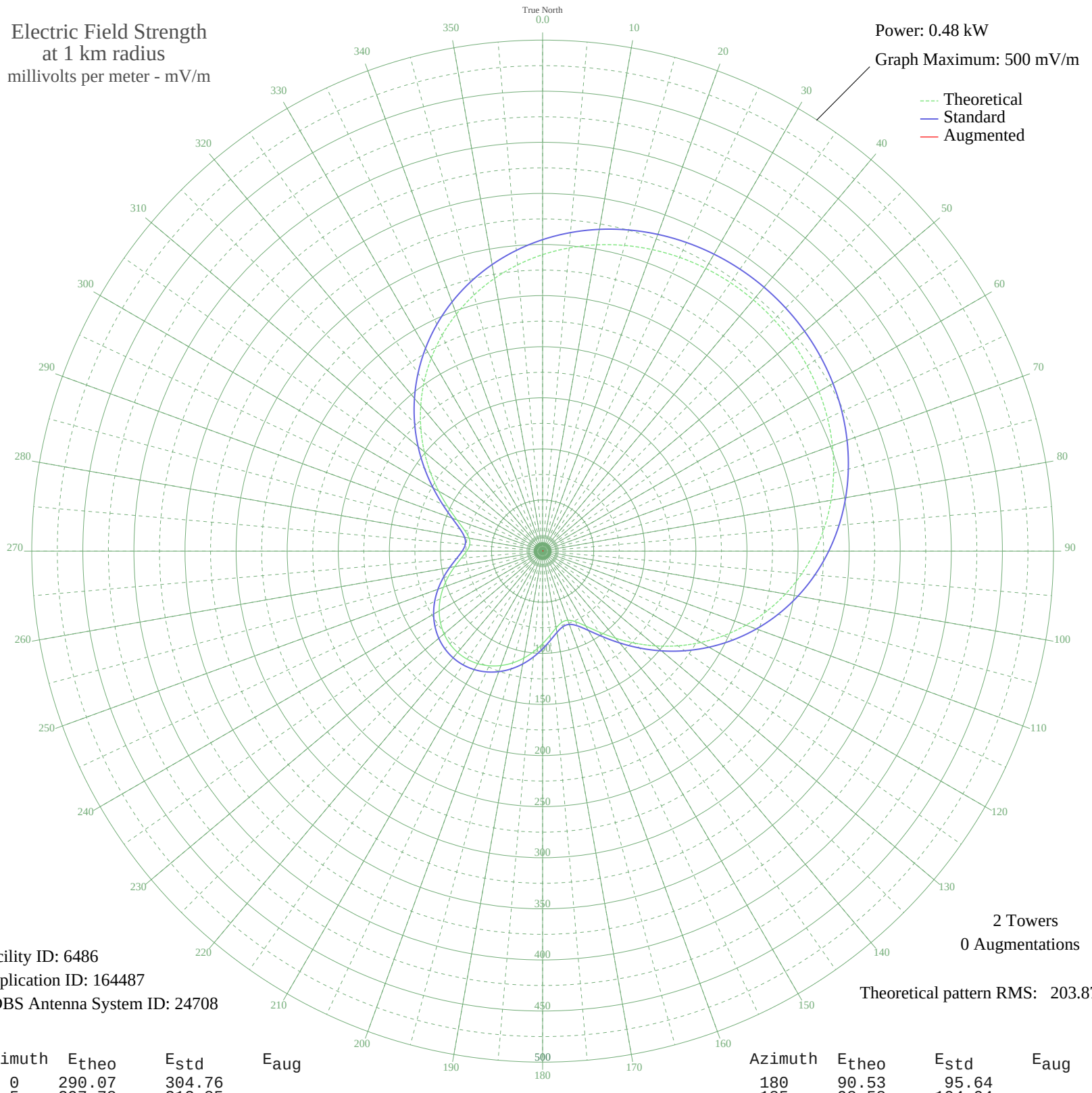
WCRV COLLIERVILLE, TN BL-19910906AC 640 kHz

Nighttime

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



Power: 0.48 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

Facility ID: 6486
Application ID: 164487
CDBS Antenna System ID: 24708

2 Towers
0 Augmentations

Theoretical pattern RMS: 203.87

Azimuth	E_{theo}	E_{std}	E_{aug}
0	290.07	304.76	
5	297.78	312.85	
10	304.30	319.69	
15	309.67	325.32	
20	313.94	329.80	
25	317.16	333.18	
30	319.38	335.51	
35	320.62	336.81	
40	320.90	337.11	
45	320.24	336.41	
50	318.61	334.70	
55	315.99	331.96	
60	312.36	328.14	
65	307.65	323.21	
70	301.83	317.10	
75	294.84	309.76	
80	286.65	301.16	
85	277.20	291.25	
90	266.50	280.03	
95	254.56	267.49	
100	241.40	253.69	
105	227.11	238.70	
110	211.80	222.64	
115	195.62	205.67	
120	178.78	188.01	
125	161.55	169.95	
130	144.24	151.82	
135	127.29	134.07	
140	111.23	117.26	
145	96.75	102.13	
150	84.73	89.59	
155	76.19	80.69	
160	71.98	76.31	
165	72.26	76.60	
170	76.28	80.78	
175	82.79	87.56	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	90.53	95.64	
185	98.58	104.04	
190	106.29	112.09	
195	113.22	119.35	
200	119.11	125.51	
205	123.77	130.38	
210	127.08	133.85	
215	128.97	135.83	
220	129.41	136.29	
225	128.39	135.22	
230	125.92	132.64	
235	122.06	128.60	
240	116.90	123.19	
245	110.56	116.56	
250	103.28	108.95	
255	95.37	100.69	
260	87.35	92.32	
265	79.97	84.63	
270	74.30	78.72	
275	71.64	75.95	
280	73.12	77.49	
285	79.13	83.75	
290	89.18	94.22	
295	102.30	107.93	
300	117.51	123.83	
305	134.00	141.09	
310	151.15	159.05	
315	168.47	177.20	
320	185.58	195.14	
325	202.18	212.55	
330	218.04	229.18	
335	232.96	244.83	
340	246.81	259.36	
345	259.48	272.66	
350	270.94	284.68	
355	281.13	295.37	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission