

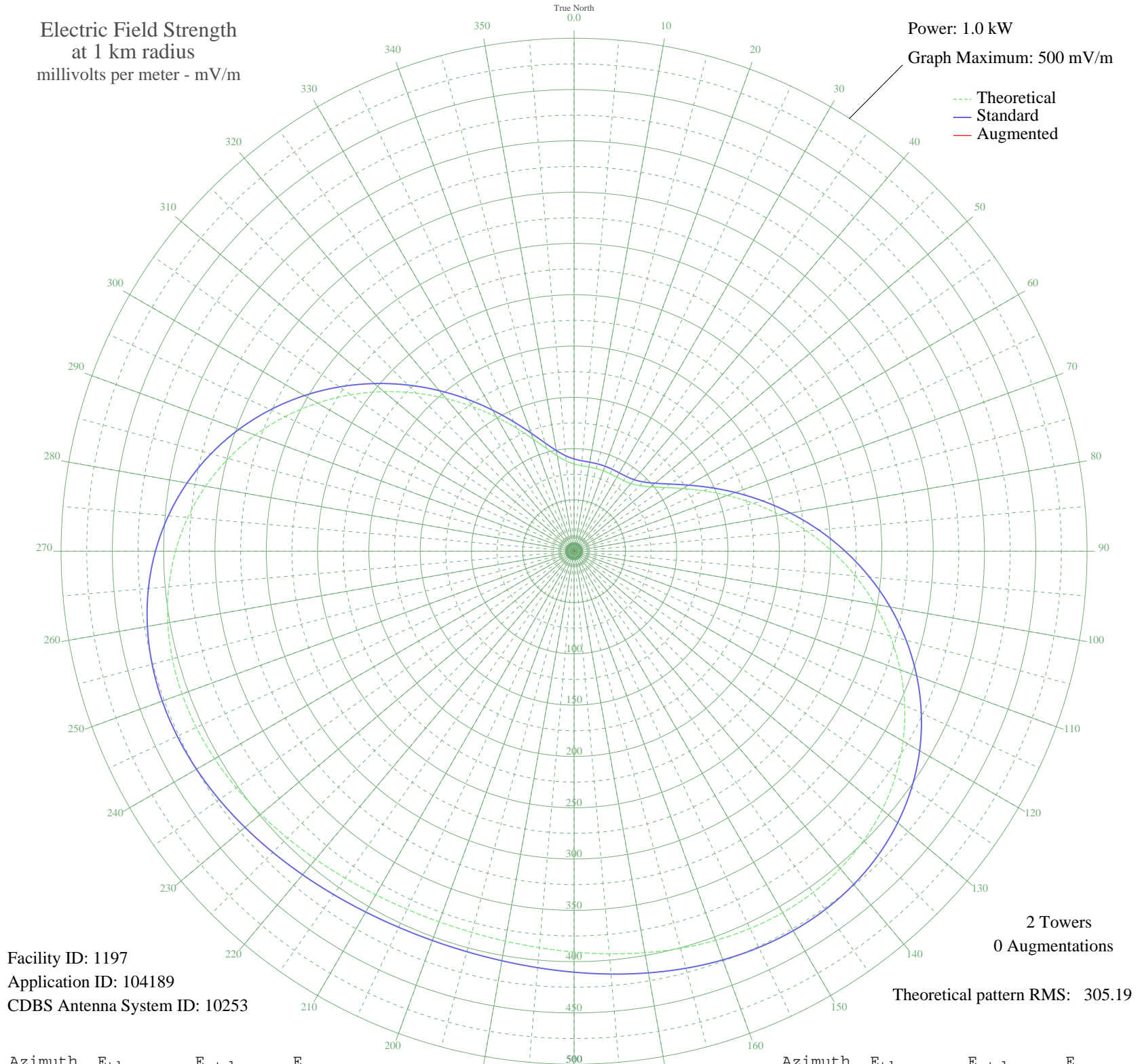
WDFB JUNCTION CITY, KY BL-19870804AD 1170 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 1197  
Application ID: 104189  
CDBS Antenna System ID: 10253

2 Towers  
0 Augmentations

Theoretical pattern RMS: 305.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>	Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	85.08	89.95		180	390.66	410.32	
5	83.67	88.48		185	387.92	407.45	
10	83.31	88.10		190	385.88	405.31	
15	83.34	88.13		195	384.68	404.05	
20	83.37	88.16		200	384.39	403.75	
25	83.31	88.10		205	385.05	404.44	
30	83.37	88.17		210	386.60	406.07	
35	84.07	88.89		215	388.94	408.53	
40	86.13	91.04		220	391.90	411.63	
45	90.41	95.51		225	395.24	415.13	
50	97.65	103.07		230	398.68	418.74	
55	108.26	114.16		235	401.90	422.13	
60	122.26	128.80		240	404.55	424.91	
65	139.33	146.67		245	406.26	426.70	
70	158.98	167.26		250	406.65	427.11	
75	180.64	189.96		255	405.36	425.76	
80	203.68	214.13		260	402.07	422.31	
85	227.51	239.11		265	396.51	416.47	
90	251.50	264.28		270	388.49	408.05	
95	275.09	289.04		275	377.87	396.91	
100	297.74	312.80		280	364.65	383.03	
105	318.95	335.06		285	348.91	366.50	
110	338.32	355.39		290	330.82	347.52	
115	355.50	373.42		295	310.67	326.37	
120	370.25	388.91		300	288.82	303.45	
125	382.43	401.69		305	265.74	279.22	
130	392.00	411.74		310	241.92	254.23	
135	399.02	419.11		315	217.92	229.06	
140	403.64	423.96		320	194.34	204.33	
145	406.10	426.53		325	171.77	180.67	
150	406.67	427.14		330	150.85	158.74	
155	405.71	426.13		335	132.16	139.16	
160	403.58	423.89		340	116.27	122.53	
165	400.66	420.82		345	103.60	109.29	
170	397.31	417.31		350	94.37	99.64	
175	393.87	413.70		355	88.38	93.39	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission