

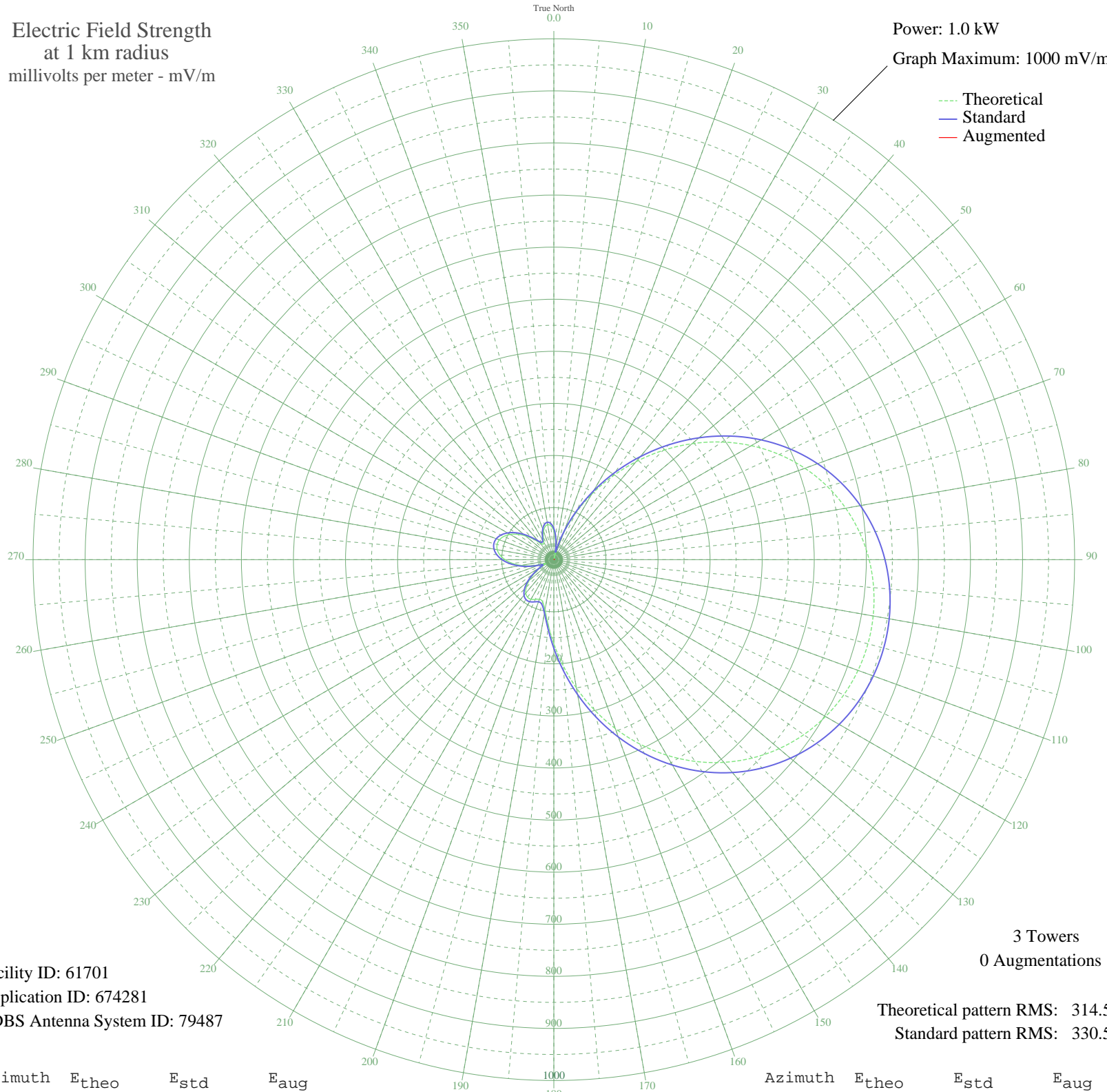
WMFD WILMINGTON, NC BL-20030724AGW 630 kHz

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: 61701  
Application ID: 674281  
CDBS Antenna System ID: 79487

3 Towers  
0 Augmentations

Theoretical pattern RMS: 314.52  
Standard pattern RMS: 330.53

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	55.40	59.77	
5	38.43	42.62	
10	14.19	20.25	
15	17.04	22.54	
20	54.56	58.91	
25	97.44	103.23	
30	144.47	152.31	
35	194.28	204.45	
40	245.45	258.09	
45	296.60	311.73	
50	346.42	363.99	
55	393.78	413.70	
60	437.77	459.87	
65	477.69	501.76	
70	513.05	538.87	
75	543.56	570.91	
80	569.12	597.73	
85	589.71	619.35	
90	605.42	635.84	
95	616.36	647.33	
100	622.65	653.93	
105	624.38	655.74	
110	621.59	652.81	
115	614.27	645.13	
120	602.38	632.65	
125	585.85	615.30	
130	564.61	593.00	
135	538.62	565.72	
140	507.95	533.52	
145	472.78	496.61	
150	433.47	455.35	
155	390.60	410.36	
160	344.98	362.49	
165	297.71	312.90	
170	250.16	263.03	
175	204.04	214.68	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	161.43	170.05	
185	125.01	131.97	
190	98.09	103.90	
195	83.63	88.87	
200	80.84	85.98	
205	84.16	89.43	
210	87.71	93.11	
215	88.05	93.47	
220	83.80	89.05	
225	74.77	79.70	
230	61.52	66.03	
235	45.14	49.34	
240	27.75	32.20	
245	16.96	22.48	
250	27.01	31.50	
255	45.29	49.50	
260	63.65	68.23	
265	80.10	85.22	
270	93.72	99.36	
275	103.93	109.98	
280	110.34	116.67	
285	112.79	119.22	
290	111.23	117.60	
295	105.81	111.95	
300	96.85	102.62	
305	84.90	90.19	
310	70.79	75.58	
315	55.93	60.31	
320	42.84	47.02	
325	35.94	40.15	
330	38.76	42.95	
335	47.93	52.16	
340	57.93	62.35	
345	65.35	69.97	
350	68.20	72.91	
355	65.17	69.79	

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