

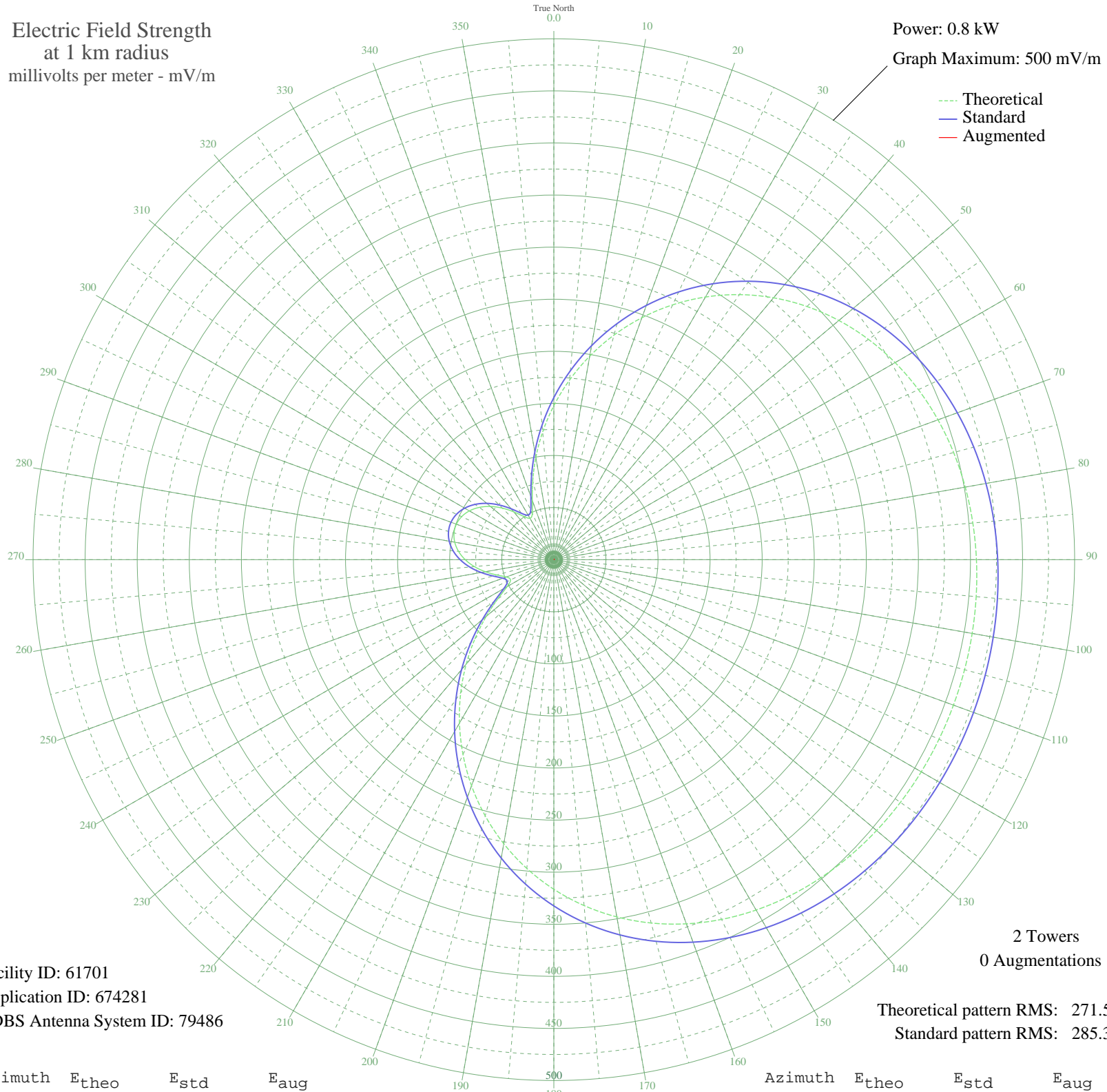
WMFD WILMINGTON, NC BL-20030724AGW 630 kHz

Daytime

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

Power: 0.8 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 61701
Application ID: 674281
CDBS Antenna System ID: 79486

2 Towers
0 Augmentations

Theoretical pattern RMS: 271.55
Standard pattern RMS: 285.32

Azimuth	E _{theo}	E _{std}	E _{aug}
0	147.80	155.54	
5	173.08	182.04	
10	198.37	208.56	
15	223.21	234.60	
20	247.17	259.74	
25	269.91	283.60	
30	291.13	305.86	
35	310.59	326.29	
40	328.15	344.71	
45	343.69	361.03	
50	357.21	375.21	
55	368.73	387.31	
60	378.35	397.41	
65	386.21	405.66	
70	392.49	412.25	
75	397.37	417.38	
80	401.08	421.26	
85	403.80	424.12	
90	405.73	426.14	
95	407.03	427.51	
100	407.83	428.35	
105	408.23	428.77	
110	408.29	428.83	
115	408.00	428.53	
120	407.33	427.83	
125	406.20	426.64	
130	404.49	424.85	
135	402.05	422.28	
140	398.68	418.74	
145	394.19	414.04	
150	388.38	407.94	
155	381.05	400.24	
160	372.01	390.75	
165	361.11	379.31	
170	348.24	365.80	
175	333.34	350.17	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	316.43	332.41	
185	297.56	312.61	
190	276.88	290.91	
195	254.60	267.53	
200	230.99	242.77	
205	206.39	216.97	
210	181.20	190.55	
215	155.86	163.99	
220	130.89	137.83	
225	106.91	112.75	
230	84.76	89.61	
235	65.68	69.76	
240	51.80	55.39	
245	45.86	49.28	
250	48.56	52.05	
255	56.73	60.48	
260	66.76	70.88	
265	76.56	81.07	
270	85.10	89.97	
275	91.87	97.04	
280	96.62	101.99	
285	99.21	104.69	
290	99.56	105.07	
295	97.69	103.11	
300	93.62	98.86	
305	87.47	92.45	
310	79.46	84.09	
315	69.98	74.23	
320	59.87	63.73	
325	50.78	54.34	
330	45.87	49.30	
335	48.92	52.43	
340	60.55	64.43	
345	78.24	82.82	
350	99.57	105.08	
355	123.07	129.65	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission