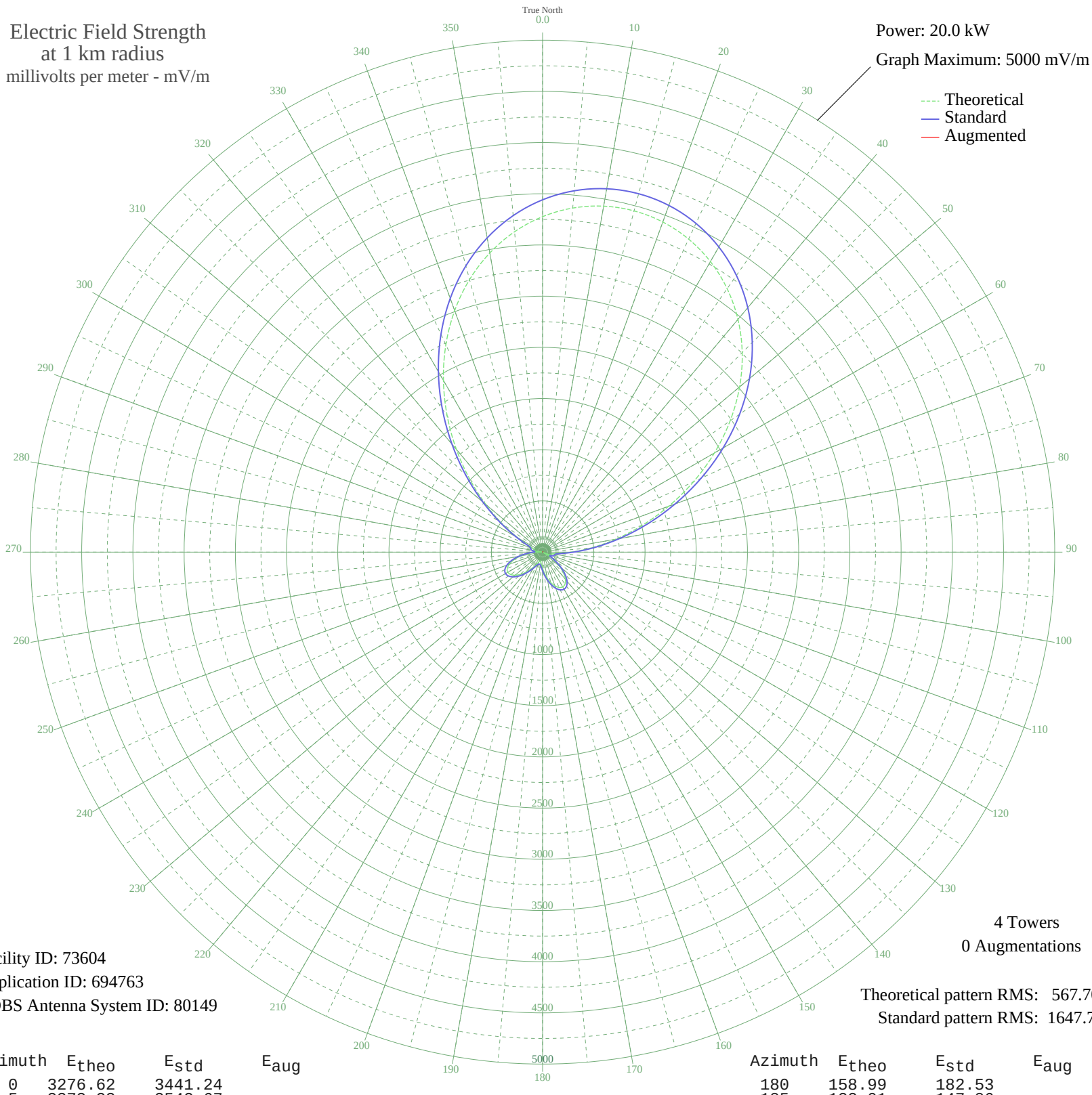
WOOD GRAND RAPIDS, MI BL-20030930BEY 1300 kHz

Nighttime

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



Power: 20.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 73604
Application ID: 694763
CDBS Antenna System ID: 80149

Theoretical pattern RMS: 567.70
Standard pattern RMS: 1647.70

Azimuth	E_{theo}	E_{std}	E_{aug}
0	3276.62	3441.24	
5	3373.23	3542.67	
10	3431.06	3603.37	
15	3450.30	3623.57	
20	3431.06	3603.37	
25	3373.23	3542.67	
30	3276.62	3441.24	
35	3141.11	3298.99	
40	2967.11	3116.34	
45	2755.95	2894.69	
50	2510.39	2636.94	
55	2235.04	2347.95	
60	1936.70	2034.88	
65	1624.44	1707.26	
70	1309.36	1376.80	
75	1004.04	1056.83	
80	721.82	761.50	
85	475.82	505.04	
90	278.77	301.88	
95	145.50	169.67	
100	94.28	123.49	
105	91.31	121.00	
110	73.27	106.62	
115	26.19	78.77	
120	46.72	88.63	
125	130.06	155.24	
130	214.38	236.89	
135	289.04	312.34	
140	346.17	370.89	
145	381.02	406.82	
150	392.09	418.26	
155	380.79	406.59	
160	350.85	375.72	
165	307.58	331.28	
170	257.09	279.86	
175	205.64	228.19	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	158.99	182.53	
185	122.01	147.86	
190	98.35	126.94	
195	90.22	120.09	
200	98.35	126.94	
205	122.01	147.86	
210	158.99	182.53	
215	205.64	228.19	
220	257.09	279.86	
225	307.58	331.28	
230	350.85	375.72	
235	380.79	406.59	
240	392.09	418.26	
245	381.02	406.82	
250	346.17	370.89	
255	289.04	312.34	
260	214.38	236.89	
265	130.06	155.24	
270	46.72	88.63	
275	26.19	78.77	
280	73.27	106.62	
285	91.31	121.00	
290	94.28	123.49	
295	145.50	169.68	
300	278.78	301.88	
305	475.82	505.04	
310	721.82	761.50	
315	1004.05	1056.83	
320	1309.36	1376.81	
325	1624.45	1707.27	
330	1936.71	2034.88	
335	2235.04	2347.95	
340	2510.39	2636.94	
345	2755.96	2894.70	
350	2967.12	3116.35	
355	3141.11	3299.00	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission