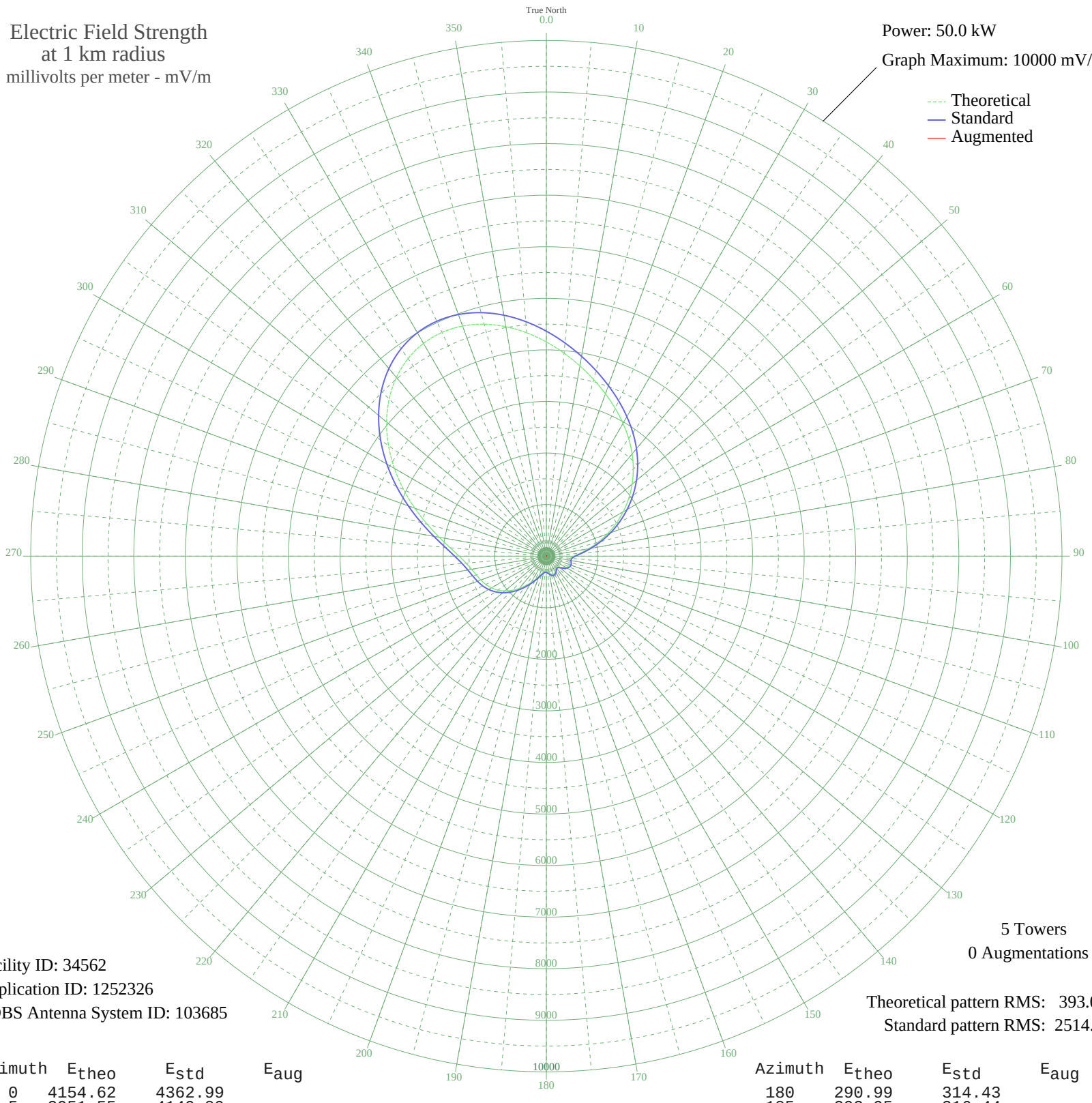
KTNO UNIVERSITY PARK, TX BL-20080616AES 1440 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 10000 mV/m

Theoretical
Standard
Augmented

5 Towers
0 Augmentations

Facility ID: 34562
Application ID: 1252326
CDBS Antenna System ID: 103685

Theoretical pattern RMS: 393.00
Standard pattern RMS: 2514.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	4154.62	4362.99	
5	3951.55	4149.80	
10	3746.66	3934.70	
15	3545.71	3723.74	
20	3350.98	3519.31	
25	3161.52	3320.43	
30	2974.13	3123.72	
35	2784.61	2924.78	
40	2589.10	2719.56	
45	2385.01	2505.37	
50	2171.50	2281.28	
55	1949.36	2048.18	
60	1720.84	1808.40	
65	1489.33	1565.56	
70	1259.49	1324.54	
75	1037.71	1092.12	
80	833.14	877.94	
85	658.97	695.89	
90	532.44	563.97	
95	467.28	496.23	
100	456.31	484.85	
105	470.05	499.11	
110	479.40	508.81	
115	468.51	497.50	
120	433.98	461.69	
125	382.16	408.07	
130	327.80	352.11	
135	291.72	315.18	
140	289.37	312.78	
145	314.52	338.49	
150	346.46	371.28	
155	368.29	393.77	
160	372.37	397.98	
165	358.85	384.04	
170	333.80	358.27	
175	307.38	331.17	
180	290.99	314.43	
185	292.95	316.44	
190	315.42	339.41	
195	356.88	382.01	
200	416.52	443.61	
205	494.70	524.72	
210	590.62	624.58	
215	700.64	739.40	
220	818.43	862.56	
225	936.44	986.06	
230	1047.38	1102.25	
235	1145.62	1205.19	
240	1228.21	1291.75	
245	1295.55	1362.35	
250	1351.97	1421.51	
255	1406.08	1478.25	
260	1470.55	1545.86	
265	1560.70	1640.42	
270	1691.41	1777.53	
275	1872.95	1967.99	
280	2107.97	2214.61	
285	2391.23	2511.89	
290	2711.38	2847.92	
295	3053.36	3206.89	
300	3400.45	3571.25	
305	3735.78	3923.27	
310	4043.48	4246.30	
315	4309.62	4525.71	
320	4522.99	4749.72	
325	4675.71	4910.06	
330	4763.66	5002.39	
335	4786.61	5026.49	
340	4748.19	4986.16	
345	4655.40	4888.73	
350	4517.90	4744.38	
355	4347.05	4565.00	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission