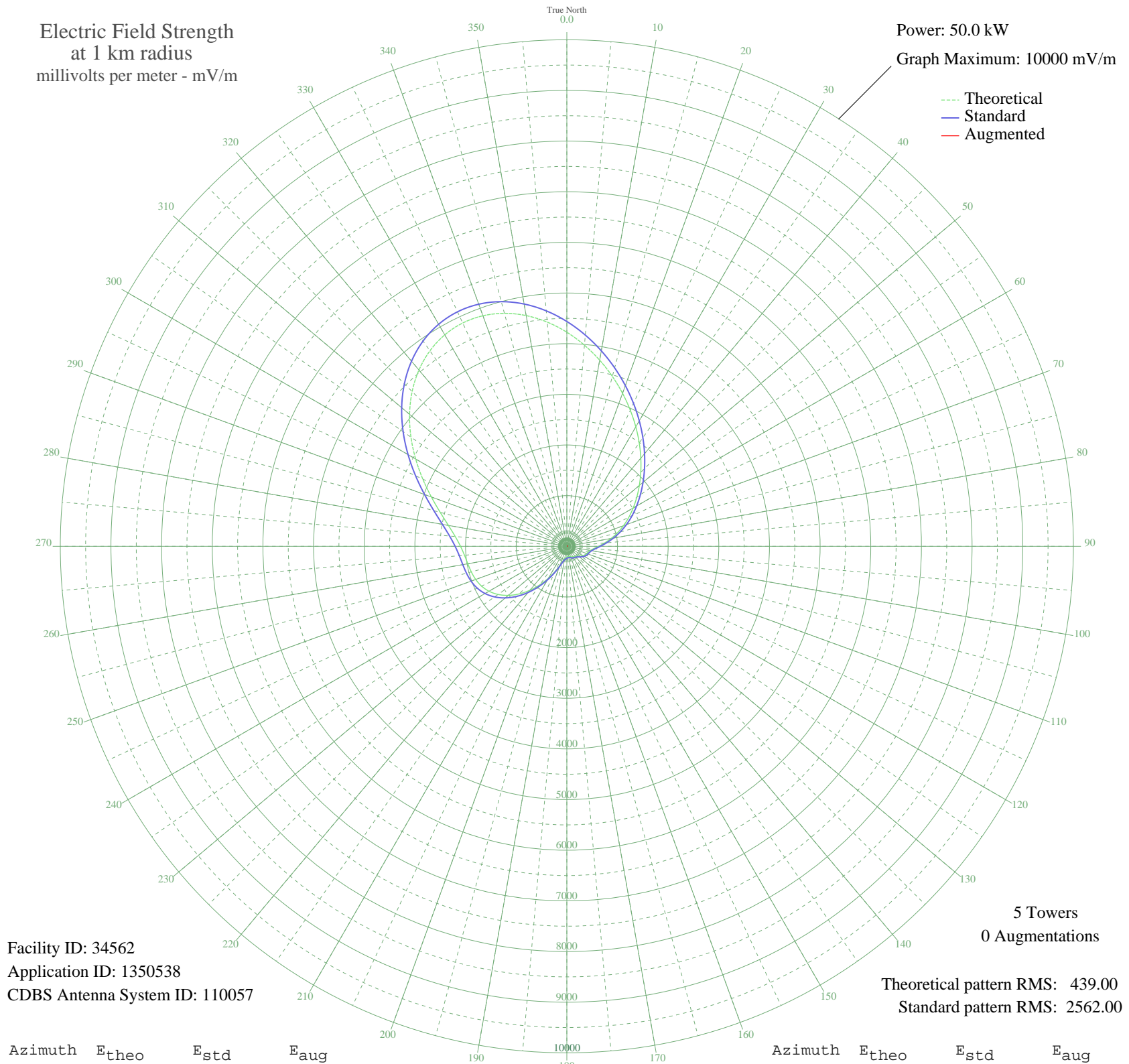


KTNO UNIVERSITY PARK, TX BP-20090709ANP 1440 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m



Facility ID: 34562
Application ID: 1350538
CDBS Antenna System ID: 110057

5 Towers
0 Augmentations

Theoretical pattern RMS: 439.00
Standard pattern RMS: 2562.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	4226.33	4438.33	
5	3985.58	4185.58	
10	3731.20	3918.54	
15	3472.06	3646.49	
20	3214.88	3376.52	
25	2964.18	3113.36	
30	2722.54	2859.73	
35	2491.36	2617.08	
40	2271.45	2386.30	
45	2063.55	2168.12	
50	1868.10	1963.05	
55	1684.87	1770.82	
60	1512.46	1589.99	
65	1348.38	1417.94	
70	1189.88	1251.79	
75	1035.37	1089.92	
80	885.96	933.51	
85	746.38	787.55	
90	624.81	660.65	
95	530.60	562.54	
100	469.02	498.58	
105	435.41	463.75	
110	416.17	443.85	
115	397.24	424.30	
120	370.93	397.18	
125	337.25	362.56	
130	302.01	326.51	
135	273.12	297.14	
140	255.39	279.22	
145	246.72	270.49	
150	240.26	264.00	
155	230.49	254.21	
160	217.09	240.86	
165	204.92	228.80	
170	200.21	224.16	
175	204.67	228.55	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	214.33	238.12	
185	226.72	250.45	
190	249.85	273.64	
195	302.99	327.52	
200	401.90	429.11	
205	546.39	578.96	
210	725.67	765.92	
215	925.59	974.98	
220	1131.45	1190.56	
225	1329.36	1397.99	
230	1507.49	1584.78	
235	1657.23	1741.83	
240	1774.07	1864.40	
245	1858.13	1952.59	
250	1914.34	2011.57	
255	1952.13	2051.21	
260	1984.82	2085.51	
265	2028.38	2131.22	
270	2099.35	2205.69	
275	2211.81	2323.70	
280	2374.22	2494.15	
285	2587.63	2718.13	
290	2845.80	2989.11	
295	3137.01	3294.78	
300	3446.25	3619.40	
305	3757.11	3945.74	
310	4053.24	4256.61	
315	4319.40	4536.04	
320	4542.41	4770.16	
325	4711.75	4947.95	
330	4820.16	5061.77	
335	4863.97	5107.76	
340	4843.16	5085.91	
345	4761.27	4999.94	
350	4624.91	4856.78	
355	4443.09	4665.90	

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