

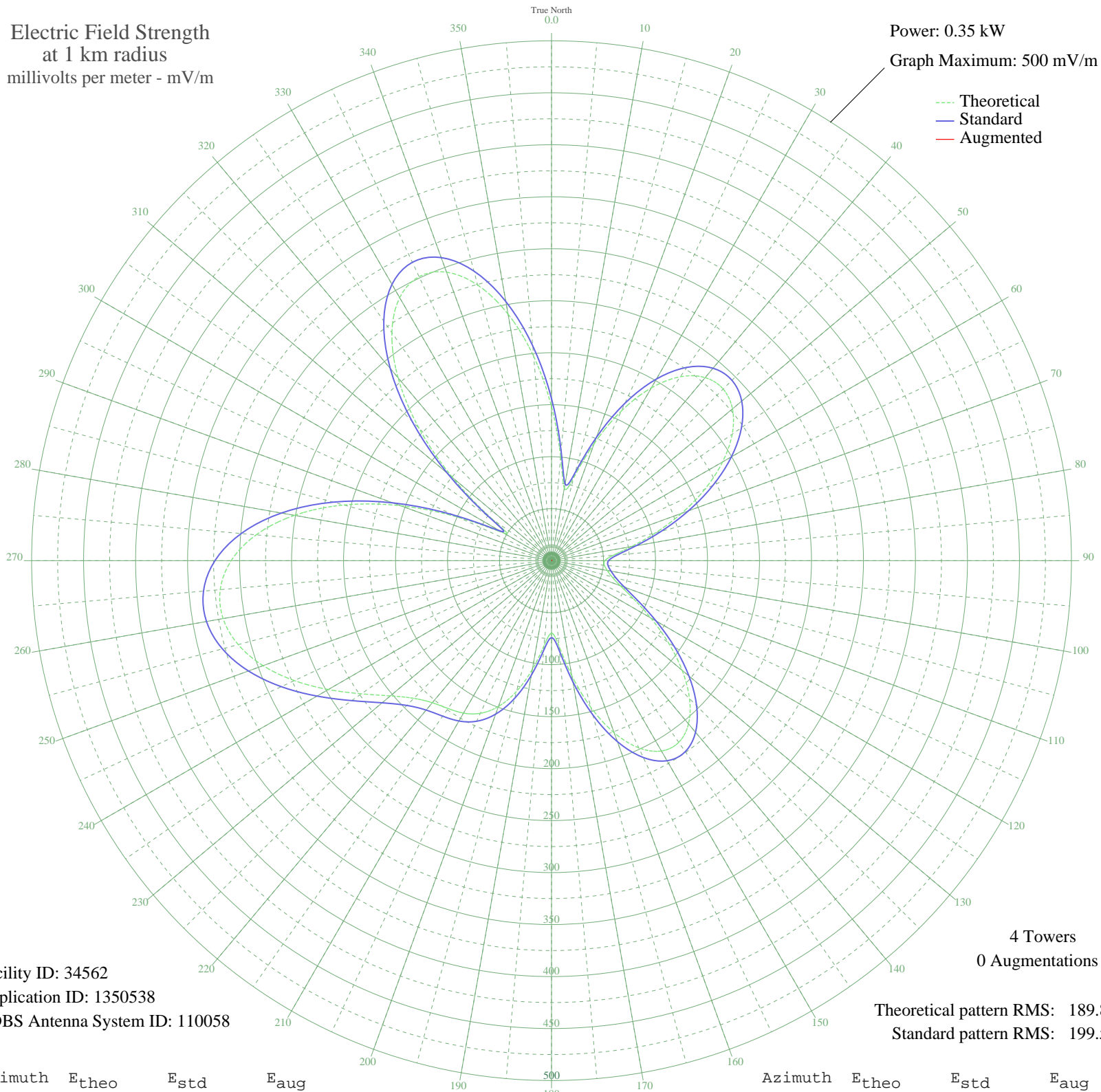
KTNO UNIVERSITY PARK, TX BP-20090709ANP 1440 kHz

Nighttime

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

Power: 0.35 kW

Graph Maximum: 500 mV/m



Facility ID: 34562
Application ID: 1350538
CDBS Antenna System ID: 110058

4 Towers
0 Augmentations

Theoretical pattern RMS: 189.80
Standard pattern RMS: 199.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	148.08	155.84	
5	100.28	105.82	
10	70.66	74.93	
15	82.78	87.55	
20	119.78	126.20	
25	158.78	167.05	
30	191.82	201.69	
35	215.92	226.96	
40	229.87	241.60	
45	233.46	245.36	
50	227.18	238.77	
55	212.15	223.00	
60	189.99	199.77	
65	162.79	171.25	
70	133.05	140.09	
75	103.64	109.33	
80	77.94	82.50	
85	59.63	63.49	
90	51.26	54.84	
95	50.98	54.55	
100	54.45	58.13	
105	60.24	64.12	
110	70.39	74.65	
115	87.12	92.08	
120	110.17	116.16	
125	136.95	144.18	
130	163.96	172.48	
135	187.67	197.34	
140	204.95	215.45	
145	213.35	224.26	
150	211.38	222.20	
155	198.68	208.88	
160	176.12	185.22	
165	145.96	153.62	
170	112.24	118.32	
175	82.39	87.15	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	69.72	73.95	
185	81.86	86.59	
190	106.08	111.88	
195	130.20	137.11	
200	149.26	157.07	
205	162.00	170.42	
210	169.28	178.06	
215	173.57	182.55	
220	178.38	187.59	
225	187.26	196.91	
230	202.31	212.69	
235	223.27	234.66	
240	247.86	260.47	
245	272.93	286.77	
250	295.24	310.18	
255	311.95	327.72	
260	320.73	336.93	
265	319.84	335.99	
270	308.14	323.71	
275	285.14	299.58	
280	251.05	263.81	
285	206.85	217.45	
290	154.56	162.63	
295	98.34	103.79	
300	53.32	56.96	
305	69.65	73.88	
310	124.26	130.89	
315	180.46	189.77	
320	229.60	241.31	
325	267.66	281.24	
330	292.08	306.86	
335	301.39	316.63	
340	295.25	310.19	
345	274.44	288.35	
350	240.81	253.07	
355	197.28	207.41	

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