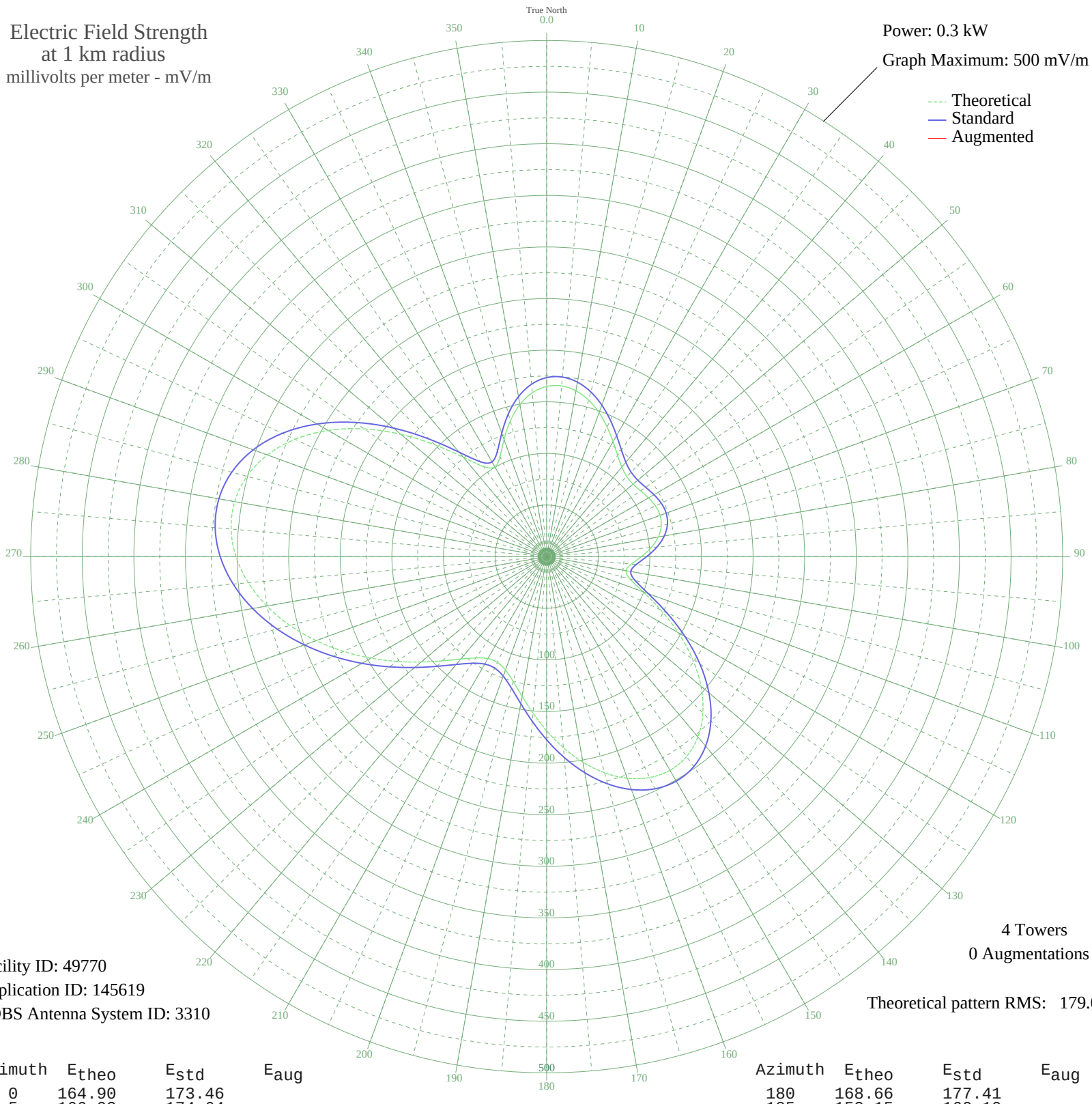
KTIS MINNEAPOLIS, MN BL-19900305AA 900 kHz

Nighttime

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



Power: 0.3 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

Facility ID: 49770
Application ID: 145619
CDBS Antenna System ID: 3310

4 Towers
0 Augmentations

Theoretical pattern RMS: 179.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	164.90	173.46	
5	166.03	174.64	
10	163.17	171.65	
15	157.02	165.21	
20	148.48	156.25	
25	138.62	145.92	
30	128.64	135.48	
35	119.82	126.25	
40	113.29	119.42	
45	109.77	115.74	
50	109.30	115.24	
55	111.10	117.13	
60	113.90	120.05	
65	116.27	122.53	
70	116.93	123.22	
75	114.93	121.13	
80	109.79	115.76	
85	101.66	107.26	
90	91.64	96.80	
95	82.34	87.09	
100	78.18	82.76	
105	83.66	88.47	
110	99.32	104.81	
115	121.78	128.30	
120	147.13	154.85	
125	172.33	181.25	
130	195.17	205.20	
135	214.08	225.03	
140	227.99	239.62	
145	236.32	248.36	
150	238.94	251.10	
155	236.10	248.13	
160	228.42	240.07	
165	216.75	227.82	
170	202.13	212.50	
175	185.71	195.28	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	168.66	177.41	
185	152.15	160.10	
190	137.30	144.55	
195	125.21	131.89	
200	116.86	123.15	
205	113.02	119.13	
210	114.01	120.17	
215	119.67	126.09	
220	129.46	136.34	
225	142.71	150.21	
230	158.73	167.00	
235	176.91	186.05	
240	196.61	206.71	
245	217.15	228.25	
250	237.75	249.86	
255	257.48	270.56	
260	275.33	289.29	
265	290.23	304.92	
270	301.10	316.33	
275	306.96	322.48	
280	307.02	322.55	
285	300.77	315.98	
290	288.02	302.60	
295	269.03	282.68	
300	244.52	256.96	
305	215.70	226.73	
310	184.37	193.88	
315	153.11	161.10	
320	125.52	132.22	
325	106.49	112.31	
330	100.44	105.98	
335	107.02	112.86	
340	120.78	127.25	
345	136.12	143.31	
350	149.58	157.41	
355	159.40	167.70	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission