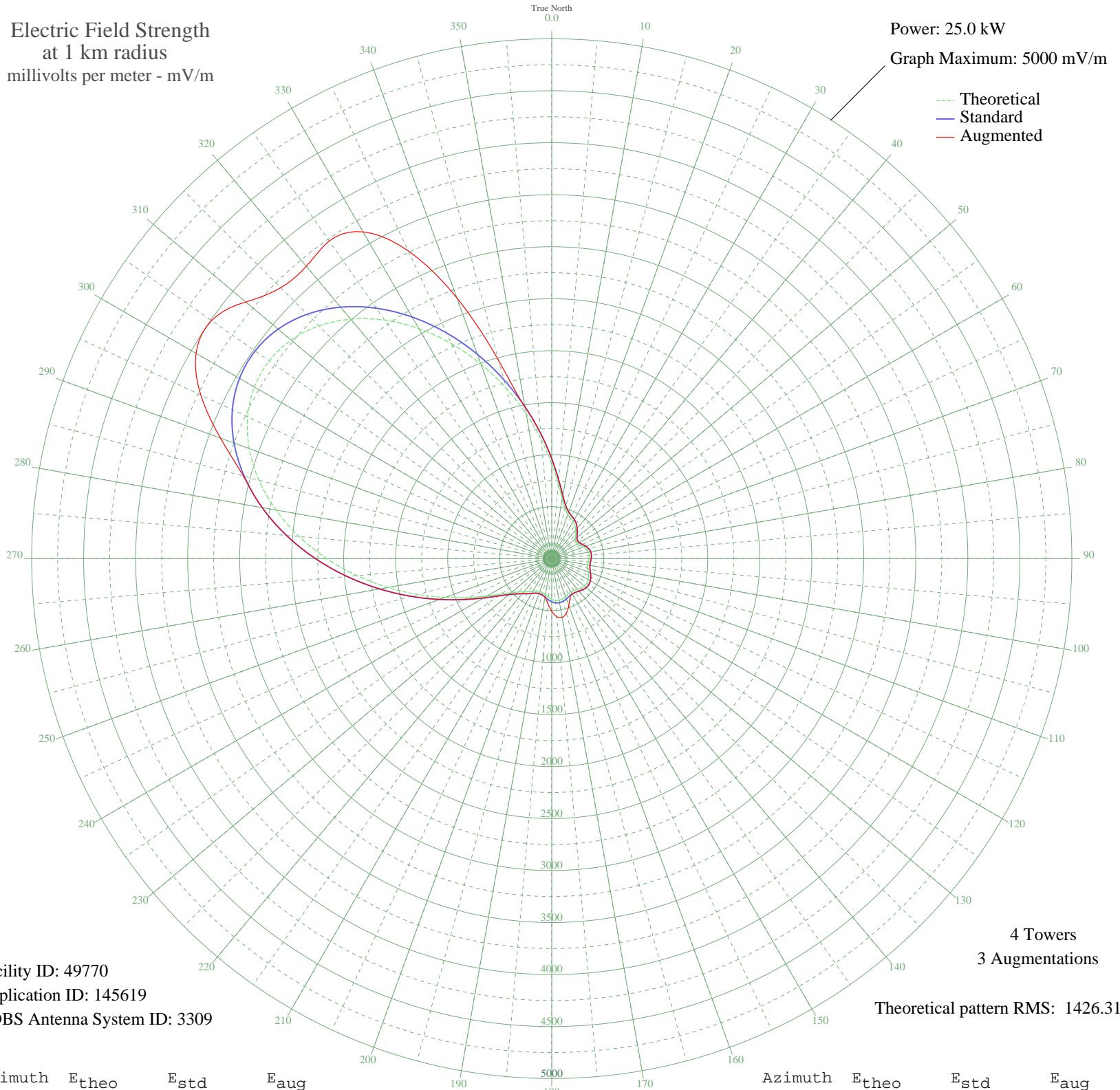


# KTIS MINNEAPOLIS, MN BL-19900305AA 900 kHz

Daytime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 49770  
Application ID: 145619  
CDBS Antenna System ID: 3309

4 Towers  
3 Augmentations

Theoretical pattern RMS: 1426.31

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	913.59	960.70	960.70
5	723.18	761.15	761.15
10	583.71	615.14	615.14
15	496.52	523.98	523.98
20	451.22	476.68	476.68
25	428.58	453.06	453.06
30	410.83	434.56	434.56
35	388.10	410.87	410.87
40	358.42	379.99	379.99
45	325.77	346.07	346.07
50	298.04	317.32	317.32
55	283.85	302.64	302.64
60	287.34	306.24	306.24
65	304.68	324.20	324.20
70	327.20	347.54	347.54
75	346.73	367.83	367.83
80	358.42	379.99	379.99
85	361.22	382.89	382.89
90	357.55	379.08	379.08
95	352.49	373.82	373.82
100	351.80	373.10	373.10
105	359.09	380.68	380.68
110	373.64	395.82	395.82
115	390.90	413.79	413.79
120	405.06	428.54	428.54
125	411.61	435.37	435.37
130	408.85	432.50	432.50
135	398.39	421.59	421.59
140	384.73	407.36	407.36
145	373.94	396.13	396.13
150	371.01	393.08	393.08
155	377.11	399.43	416.46
160	388.90	411.71	480.47
165	400.55	423.84	543.24
170	406.57	430.11	574.07
175	403.71	427.13	560.37

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	391.69	414.61	505.97
185	373.25	395.41	431.66
190	353.70	375.07	376.26
195	339.58	360.40	360.40
200	336.25	356.94	356.94
205	345.18	366.22	366.22
210	363.74	385.52	385.52
215	388.10	410.87	410.87
220	416.93	440.91	440.91
225	454.05	479.63	479.63
230	508.85	536.87	536.87
235	593.48	625.36	625.36
240	717.51	755.22	755.22
245	884.38	930.08	930.08
250	1091.55	1147.33	1147.33
255	1332.55	1400.16	1400.16
260	1598.48	1679.23	1679.23
265	1878.96	1973.60	1973.60
270	2162.57	2271.30	2271.30
275	2437.45	2559.86	2559.86
280	2691.77	2826.85	2826.85
285	2914.34	3060.51	3069.22
290	3095.17	3250.35	3389.26
295	3225.98	3387.69	3722.76
300	3300.68	3466.11	3948.72
305	3315.64	3481.82	3991.59
310	3269.92	3433.82	3839.41
315	3165.32	3324.00	3684.78
320	3006.28	3157.03	3670.89
325	2799.67	2940.12	3729.20
330	2554.41	2682.65	3628.53
335	2281.09	2395.72	3266.55
340	1991.36	2091.59	2670.14
345	1697.52	1783.16	1973.81
350	1411.93	1483.45	1483.45
355	1146.74	1205.22	1205.22

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