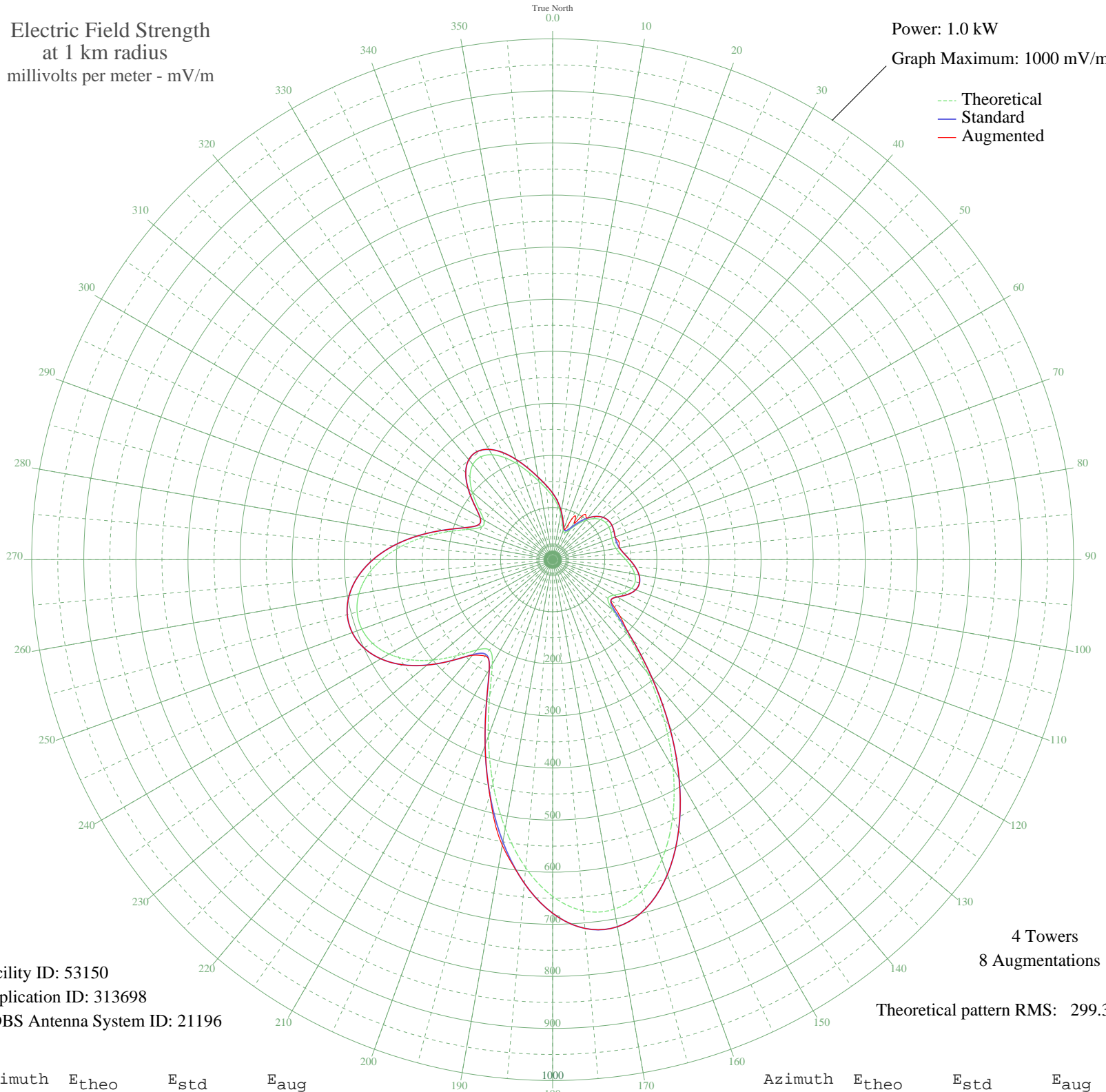


# KGSO WICHITA, KS BL-- 1410 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 53150  
Application ID: 313698  
CDBS Antenna System ID: 21196

4 Towers  
8 Augmentations  
Theoretical pattern RMS: 299.34

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	121.25	127.75	127.75
5	106.00	111.79	111.79
10	89.31	94.36	94.36
15	72.33	76.67	76.67
20	59.46	63.31	63.45
25	57.37	61.15	83.99
30	67.34	71.48	83.49
35	83.04	87.82	106.22
40	98.71	104.18	104.18
45	111.40	117.44	117.44
50	119.91	126.35	126.35
55	124.16	130.79	130.79
60	124.81	131.47	131.47
65	123.19	129.77	129.77
70	121.12	127.61	127.61
75	120.67	127.14	131.84
80	123.58	130.18	130.18
85	130.44	137.37	137.37
90	140.35	147.75	147.75
95	151.14	159.04	159.04
100	159.98	168.31	168.31
105	164.06	172.58	172.58
110	161.12	169.50	169.50
115	150.62	158.50	158.50
120	136.06	143.25	143.25
125	129.51	136.39	136.39
130	150.41	158.28	168.98
135	205.08	215.59	215.59
140	282.96	297.29	297.29
145	372.02	390.76	390.76
150	462.29	485.52	485.52
155	545.10	572.45	572.45
160	612.89	643.62	643.62
165	659.65	692.72	692.72
170	681.45	715.60	715.60
175	676.75	710.67	710.67

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	646.48	678.89	678.89
185	593.87	623.65	623.65
190	524.04	550.34	556.92
195	443.66	465.96	466.79
200	360.86	379.05	379.05
205	285.76	300.23	300.23
210	231.56	243.36	243.36
215	211.62	222.45	225.87
220	226.45	238.01	239.70
225	260.82	274.06	274.06
230	299.72	314.88	314.88
235	334.89	351.79	351.79
240	362.52	380.79	380.79
245	381.00	400.19	400.19
250	389.73	409.35	409.35
255	388.57	408.13	408.13
260	377.66	396.68	396.68
265	357.35	375.37	375.37
270	328.34	344.92	344.92
275	291.90	306.68	306.68
280	250.29	263.01	263.01
285	207.52	218.15	218.15
290	170.56	179.39	179.39
295	149.75	157.59	157.72
300	152.70	160.68	160.68
305	174.10	183.11	183.11
310	201.31	211.64	211.64
315	224.52	235.98	235.98
320	238.39	250.53	250.53
325	240.91	253.17	253.17
330	232.59	244.44	244.44
335	215.90	226.94	226.94
340	194.57	204.57	204.57
345	172.57	181.50	181.50
350	152.83	160.82	160.82
355	136.17	143.36	143.36