

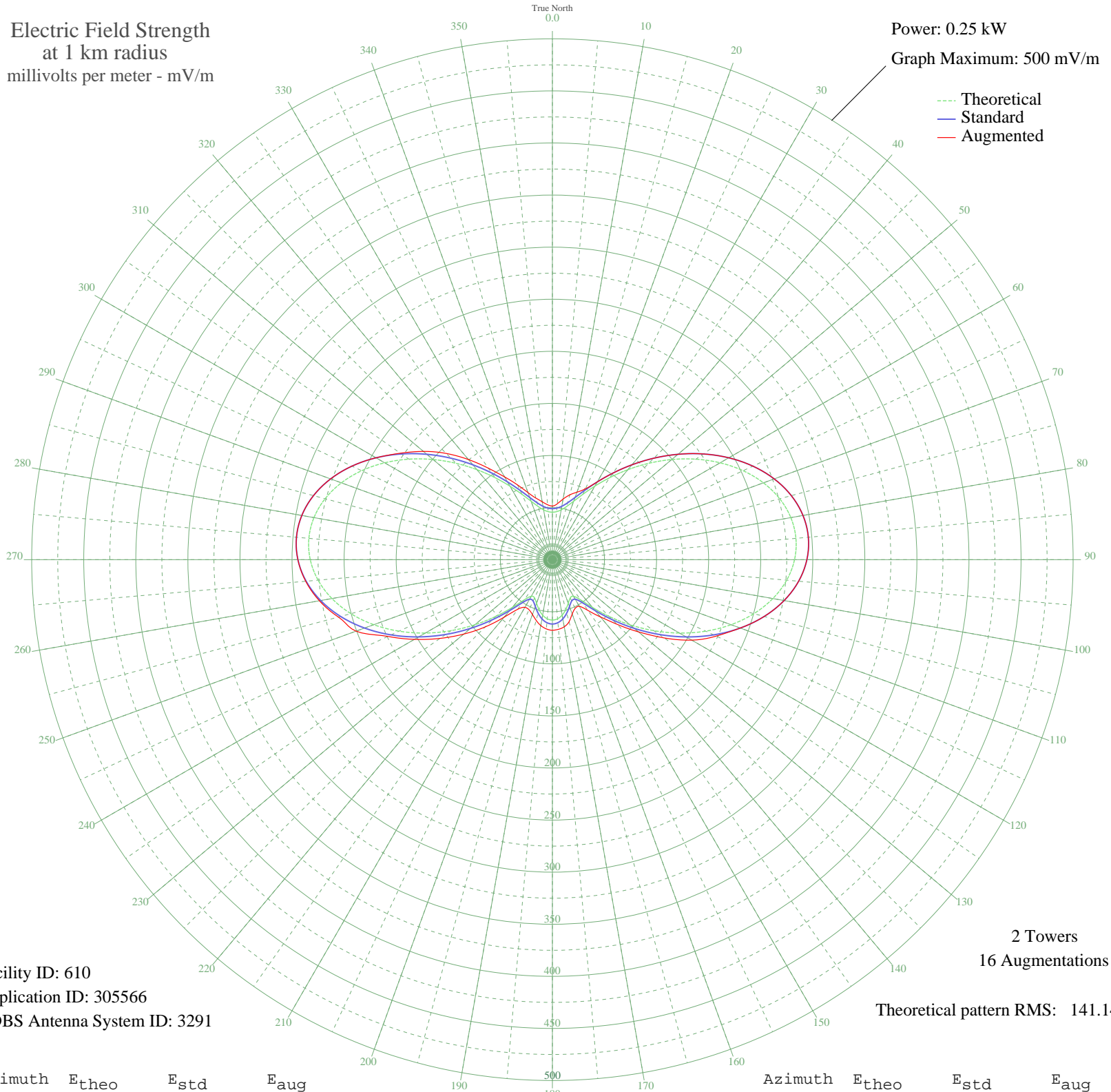
# KSGL WICHITA, KS BL-- 900 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 610  
Application ID: 305566  
CDBS Antenna System ID: 3291

2 Towers  
16 Augmentations  
Theoretical pattern RMS: 141.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	45.57	48.98	51.50
5	46.27	49.71	53.83
10	48.56	52.06	59.05
15	52.88	56.50	64.37
20	59.67	63.53	68.91
25	69.21	73.43	75.03
30	81.46	86.18	86.18
35	96.14	101.50	101.50
40	112.79	118.89	118.89
45	130.82	137.76	137.76
50	149.54	157.37	157.37
55	168.20	176.92	176.92
60	185.98	195.56	195.56
65	202.06	212.43	212.43
70	215.64	226.66	226.66
75	225.98	237.51	237.51
80	232.48	244.33	244.33
85	234.74	246.70	246.70
90	232.52	244.37	244.37
95	225.84	237.37	237.37
100	214.95	225.94	225.94
105	200.31	210.58	210.58
110	182.55	191.96	191.96
115	162.45	170.90	173.62
120	140.90	148.32	154.50
125	118.82	125.21	131.00
130	97.21	102.61	107.83
135	77.13	81.66	87.72
140	59.86	63.72	71.76
145	47.06	50.52	59.50
150	40.54	43.84	51.69
155	40.49	43.79	51.60
160	44.48	47.87	55.54
165	49.60	53.13	61.78
170	54.05	57.72	65.45
175	56.97	60.74	67.11

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	57.98	61.78	67.83
185	56.97	60.74	66.73
190	54.05	57.72	64.23
195	49.60	53.13	60.28
200	44.48	47.87	56.04
205	40.49	43.79	53.05
210	40.54	43.84	52.84
215	47.06	50.52	58.17
220	59.86	63.72	72.06
225	77.13	81.66	91.34
230	97.21	102.61	111.16
235	118.82	125.21	131.78
240	140.90	148.32	153.04
245	162.45	170.90	174.29
250	182.55	191.96	200.64
255	200.31	210.58	212.78
260	214.95	225.94	227.21
265	225.84	237.37	237.79
270	232.52	244.37	244.38
275	234.74	246.70	246.70
280	232.48	244.33	244.33
285	225.98	237.51	237.51
290	215.64	226.66	226.66
295	202.06	212.43	212.43
300	185.98	195.56	195.56
305	168.20	176.92	178.20
310	149.54	157.37	161.64
315	130.82	137.76	144.21
320	112.79	118.89	125.48
325	96.14	101.50	107.18
330	81.46	86.18	91.67
335	69.21	73.43	79.13
340	59.67	63.53	68.49
345	52.88	56.50	61.16
350	48.56	52.06	56.43
355	46.27	49.71	52.89

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission