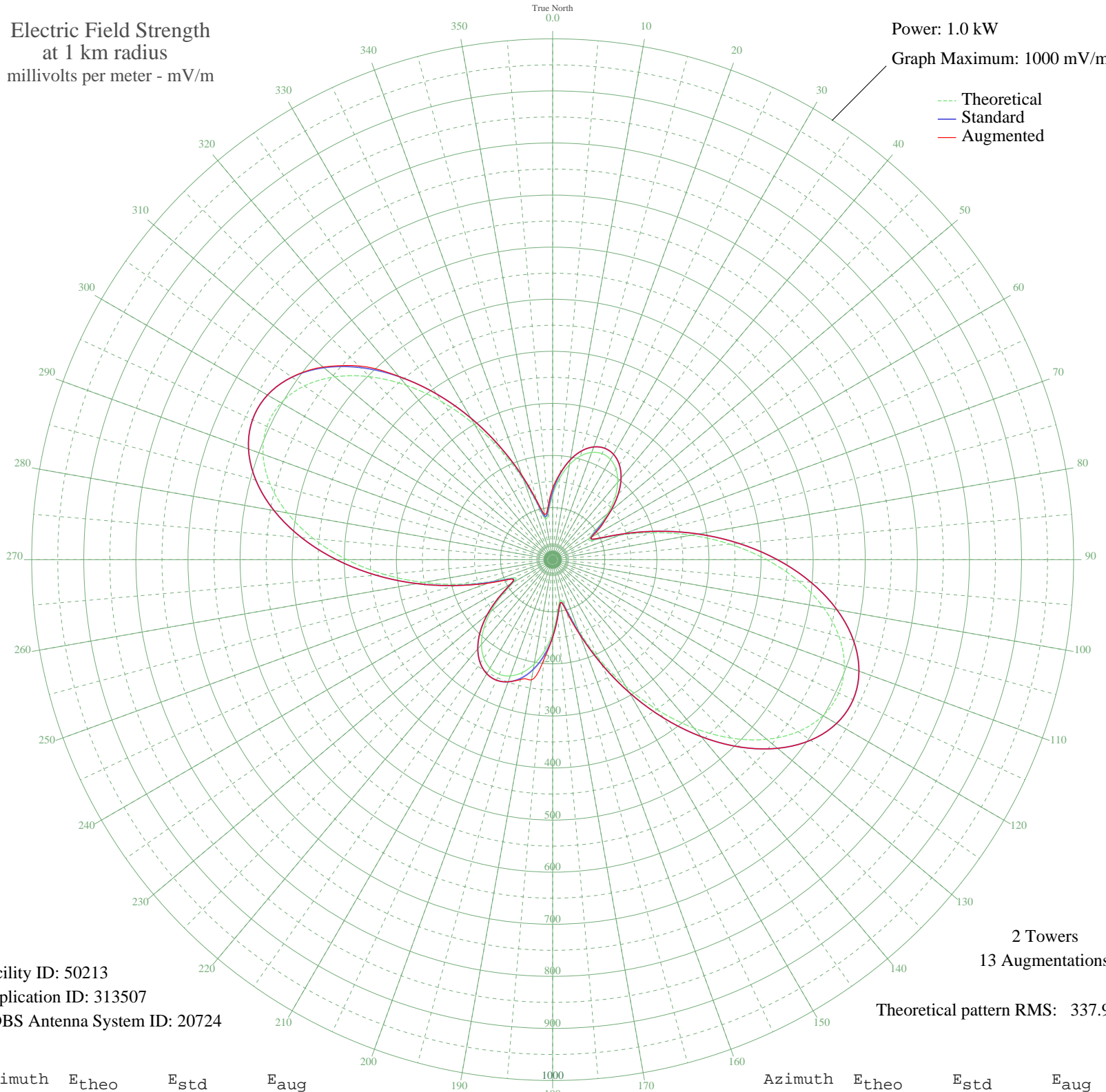


# KXCA LAWTON, OK BL-- 1380 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 50213  
Application ID: 313507  
CDBS Antenna System ID: 20724

2 Towers  
13 Augmentations  
Theoretical pattern RMS: 337.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	124.36	131.07	137.28
5	157.28	165.53	166.79
10	185.06	194.64	194.64
15	205.86	216.45	216.45
20	219.08	230.32	230.32
25	224.55	236.05	236.05
30	222.21	233.59	233.59
35	212.07	222.96	222.96
40	194.26	204.29	204.29
45	169.16	177.98	177.98
50	137.92	145.26	145.26
55	104.21	110.00	115.93
60	80.19	84.96	86.19
65	90.98	96.21	97.23
70	137.36	144.67	145.13
75	200.33	210.65	210.66
80	270.09	283.82	283.82
85	341.52	358.78	358.78
90	410.67	431.36	431.36
95	473.88	497.70	497.70
100	527.73	554.23	554.23
105	569.17	597.74	597.74
110	595.80	625.69	625.69
115	605.99	636.39	636.39
120	599.10	629.15	629.15
125	575.49	604.37	604.37
130	536.53	563.47	563.47
135	484.47	508.82	508.82
140	422.20	443.45	443.45
145	353.09	370.92	370.92
150	280.81	295.07	295.07
155	209.34	220.10	220.10
160	143.77	151.38	154.55
165	93.72	99.06	103.53
170	79.76	84.52	84.52
175	104.57	110.39	110.39

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	140.94	148.42	148.73
185	175.19	184.30	192.34
190	203.37	213.84	234.45
195	224.26	235.74	238.46
200	237.48	249.61	249.61
205	242.92	255.32	255.32
210	240.59	252.87	252.87
215	230.47	242.26	242.26
220	212.63	223.55	223.55
225	187.29	196.98	196.98
230	155.22	163.37	163.56
235	118.87	125.32	126.15
240	86.61	91.64	92.87
245	82.51	87.38	88.37
250	121.00	127.56	132.37
255	182.04	191.48	191.70
260	251.88	264.72	264.72
265	324.35	340.76	340.76
270	395.18	415.09	415.09
275	460.60	483.77	483.77
280	517.13	543.10	543.10
285	561.64	589.83	589.83
290	591.60	621.29	621.29
295	605.29	635.65	635.65
300	601.91	632.11	632.11
305	581.71	610.91	611.03
310	545.94	573.35	575.37
315	496.72	521.68	526.05
320	436.87	458.85	459.36
325	369.67	388.32	388.32
330	298.69	313.83	313.83
335	227.75	239.40	239.40
340	161.29	169.73	172.20
345	106.49	112.38	116.63
350	79.19	83.92	88.43
355	92.19	97.46	102.08