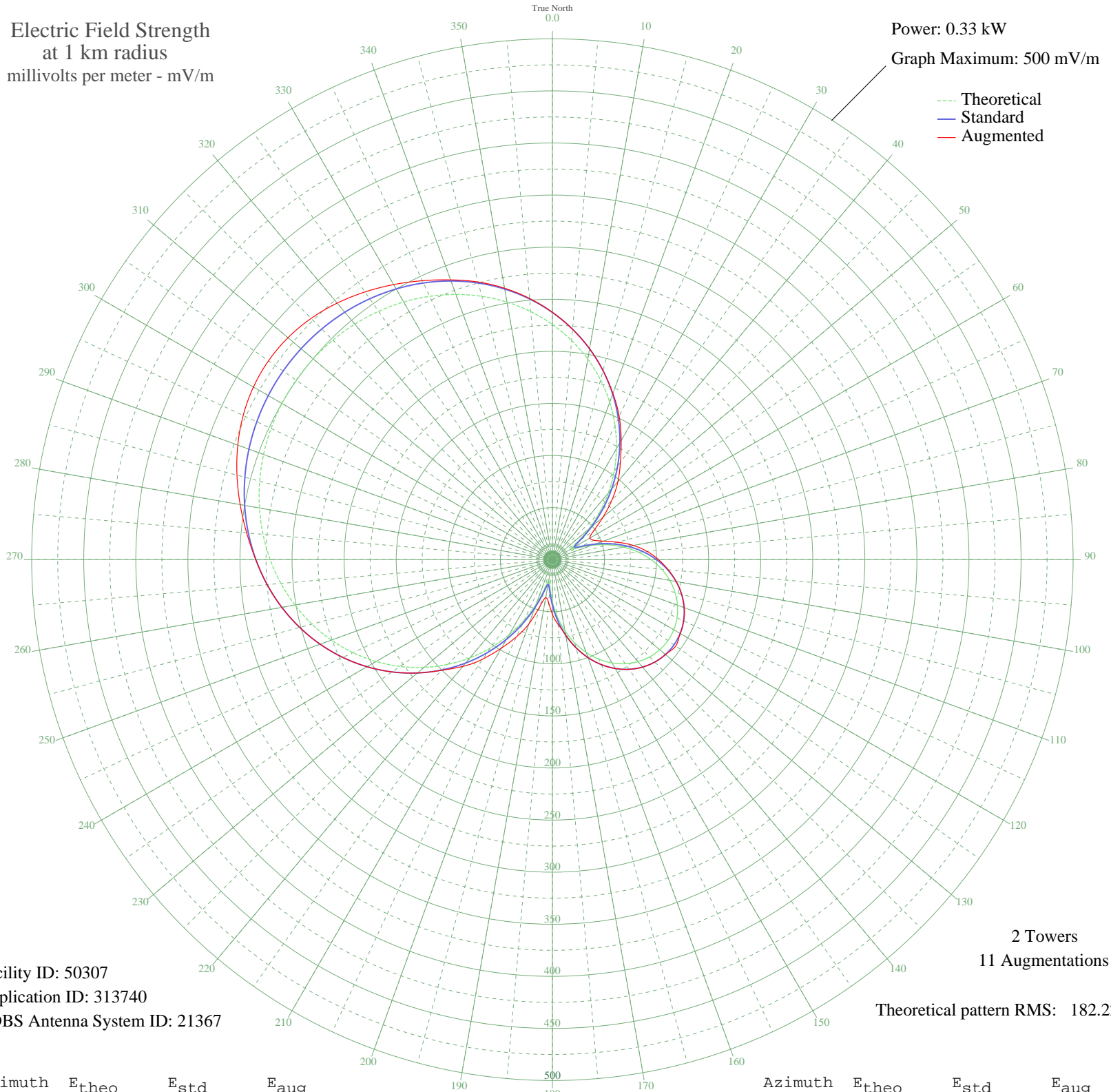


# KOTK OMAHA, NE BL-- 1420 kHz

Nighttime

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

Power: 0.33 kW  
Graph Maximum: 500 mV/m



Facility ID: 50307  
Application ID: 313740  
CDBS Antenna System ID: 21367

2 Towers  
11 Augmentations

Theoretical pattern RMS: 182.22

Azimuth	Etheo	Estd	Eaug
0	225.79	237.31	237.49
5	211.24	222.05	222.06
10	195.50	205.54	205.54
15	178.65	187.88	187.88
20	160.84	169.21	169.86
25	142.22	149.70	151.78
30	122.98	129.56	132.11
35	103.35	109.02	113.77
40	83.60	88.40	97.89
45	64.09	68.11	80.76
50	45.45	48.86	63.41
55	29.20	32.41	48.48
60	20.67	24.11	41.60
65	26.77	30.00	44.01
70	40.29	43.59	52.08
75	55.06	58.76	64.55
80	69.39	73.61	78.80
85	82.70	87.47	91.25
90	94.74	100.03	101.99
95	105.36	111.12	111.64
100	114.45	120.63	120.63
105	121.95	128.47	128.47
110	127.82	134.62	134.62
115	132.03	139.03	139.03
120	134.56	141.68	141.68
125	135.40	142.56	144.60
130	134.56	141.68	141.68
135	132.03	139.03	139.03
140	127.82	134.62	134.62
145	121.95	128.47	128.47
150	114.45	120.63	120.63
155	105.36	111.12	111.12
160	94.74	100.03	100.03
165	82.70	87.47	87.47
170	69.39	73.61	73.61
175	55.06	58.76	62.26

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	Etheo	Estd	Eaug
180	40.29	43.59	52.40
185	26.77	30.00	41.44
190	20.67	24.11	37.00
195	29.20	32.41	46.50
200	45.45	48.86	65.33
205	64.09	68.11	81.73
210	83.60	88.40	98.17
215	103.35	109.02	116.50
220	122.98	129.55	133.75
225	142.22	149.70	150.24
230	160.84	169.21	169.21
235	178.65	187.88	187.88
240	195.49	205.54	205.54
245	211.24	222.05	222.05
250	225.79	237.31	237.31
255	239.07	251.24	251.24
260	251.04	263.80	263.80
265	261.67	274.95	274.95
270	270.96	284.71	284.85
275	278.93	293.07	294.69
280	285.60	300.07	304.44
285	291.00	305.73	313.57
290	295.16	310.09	321.48
295	298.10	313.18	327.60
300	299.86	315.03	331.47
305	300.44	315.64	332.80
310	299.86	315.03	331.47
315	298.10	313.18	327.60
320	295.16	310.09	321.50
325	291.00	305.73	313.75
330	285.60	300.07	304.92
335	278.93	293.07	295.48
340	270.96	284.71	285.84
345	261.67	274.95	275.96
350	251.04	263.80	264.62
355	239.07	251.24	251.74