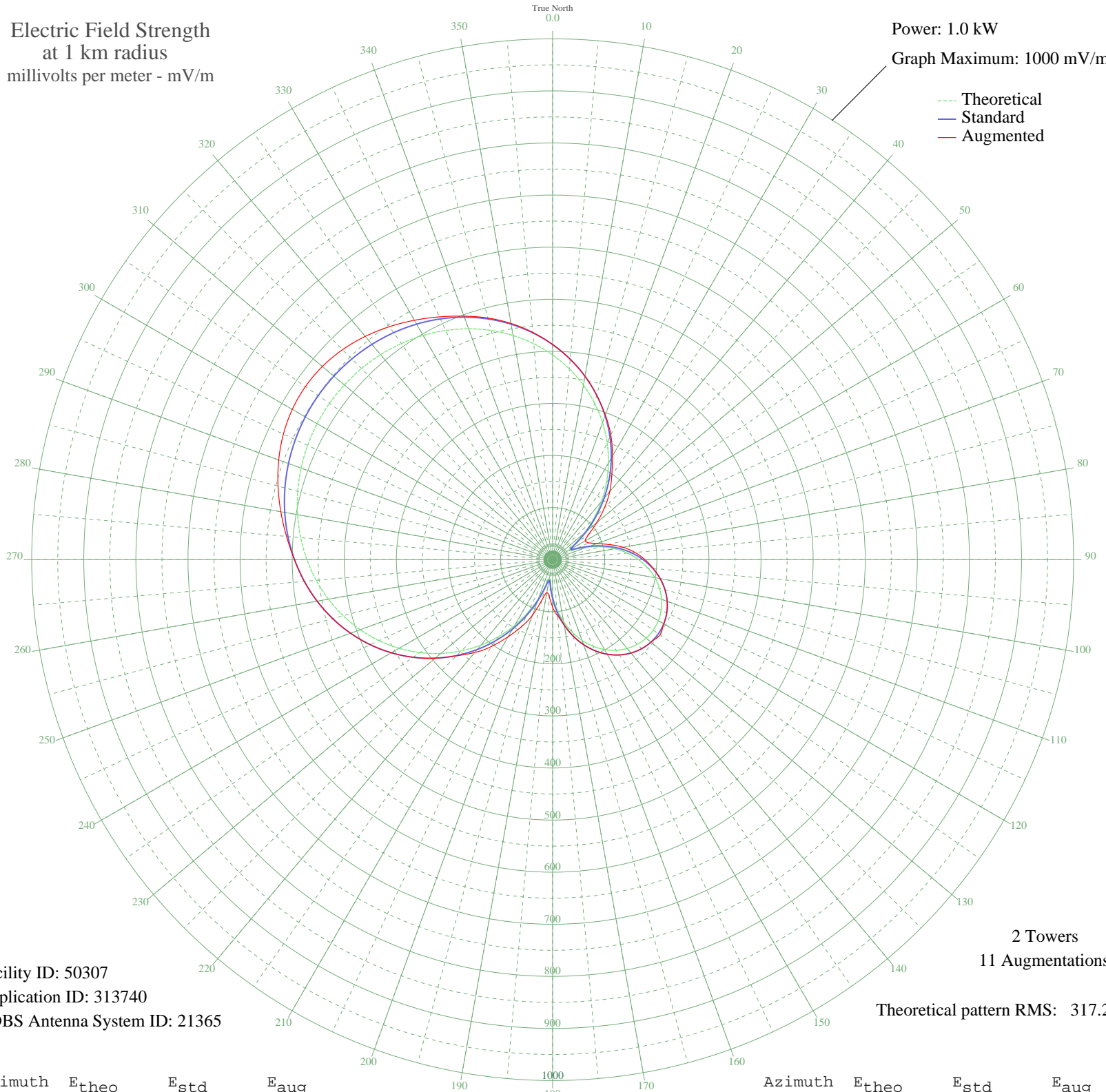


KOTK OMAHA, NE BL-- 1420 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 50307
Application ID: 313740
CDBS Antenna System ID: 21365

2 Towers
11 Augmentations

Theoretical pattern RMS: 317.20

Azimuth	E _{theo}	E _{std}	E _{aug}
0	393.05	412.89	413.23
5	367.72	386.31	386.32
10	340.31	357.55	357.55
15	310.99	326.78	326.78
20	279.98	294.25	295.51
25	247.57	260.26	264.24
30	214.08	225.14	229.93
35	179.90	189.32	197.89
40	145.52	153.32	170.40
45	111.57	117.83	140.65
50	79.12	84.03	110.43
55	50.84	54.86	84.42
60	35.98	39.85	72.42
65	46.60	50.54	76.54
70	70.14	74.73	90.48
75	95.85	101.44	112.20
80	120.79	127.46	137.10
85	143.97	151.70	158.71
90	164.93	173.63	177.27
95	183.40	192.99	193.95
100	199.22	209.57	209.57
105	212.28	223.26	223.26
110	222.50	233.97	233.97
115	229.83	241.65	241.65
120	234.23	246.27	246.27
125	235.70	247.81	251.69
130	234.23	246.27	246.27
135	229.83	241.65	241.65
140	222.50	233.97	233.97
145	212.28	223.26	223.26
150	199.22	209.57	209.57
155	183.40	192.99	192.99
160	164.93	173.64	173.64
165	143.97	151.70	151.70
170	120.79	127.46	127.46
175	95.85	101.44	107.99

Azimuth	E _{theo}	E _{std}	E _{aug}
180	70.14	74.73	91.25
185	46.60	50.54	72.14
190	35.98	39.85	64.37
195	50.84	54.86	80.73
200	79.11	84.03	113.58
205	111.57	117.83	142.22
210	145.52	153.32	170.85
215	179.90	189.32	202.78
220	214.08	225.14	232.68
225	247.57	260.26	261.22
230	279.98	294.25	294.25
235	310.99	326.78	326.78
240	340.31	357.55	357.55
245	367.72	386.31	386.31
250	393.05	412.89	412.89
255	416.16	437.16	437.16
260	437.00	459.02	459.02
265	455.50	478.45	478.45
270	471.68	495.43	495.68
275	485.56	509.99	512.84
280	497.16	522.18	529.85
285	506.56	532.04	545.78
290	513.79	539.63	559.59
295	518.92	545.02	570.28
300	521.98	548.23	577.04
305	523.00	549.29	579.36
310	521.98	548.23	577.04
315	518.92	545.02	570.28
320	513.79	539.63	559.62
325	506.56	532.04	546.12
330	497.16	522.18	530.74
335	485.56	509.99	514.31
340	471.68	495.43	497.54
345	455.50	478.45	480.34
350	437.00	459.02	460.56
355	416.16	437.16	438.09

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