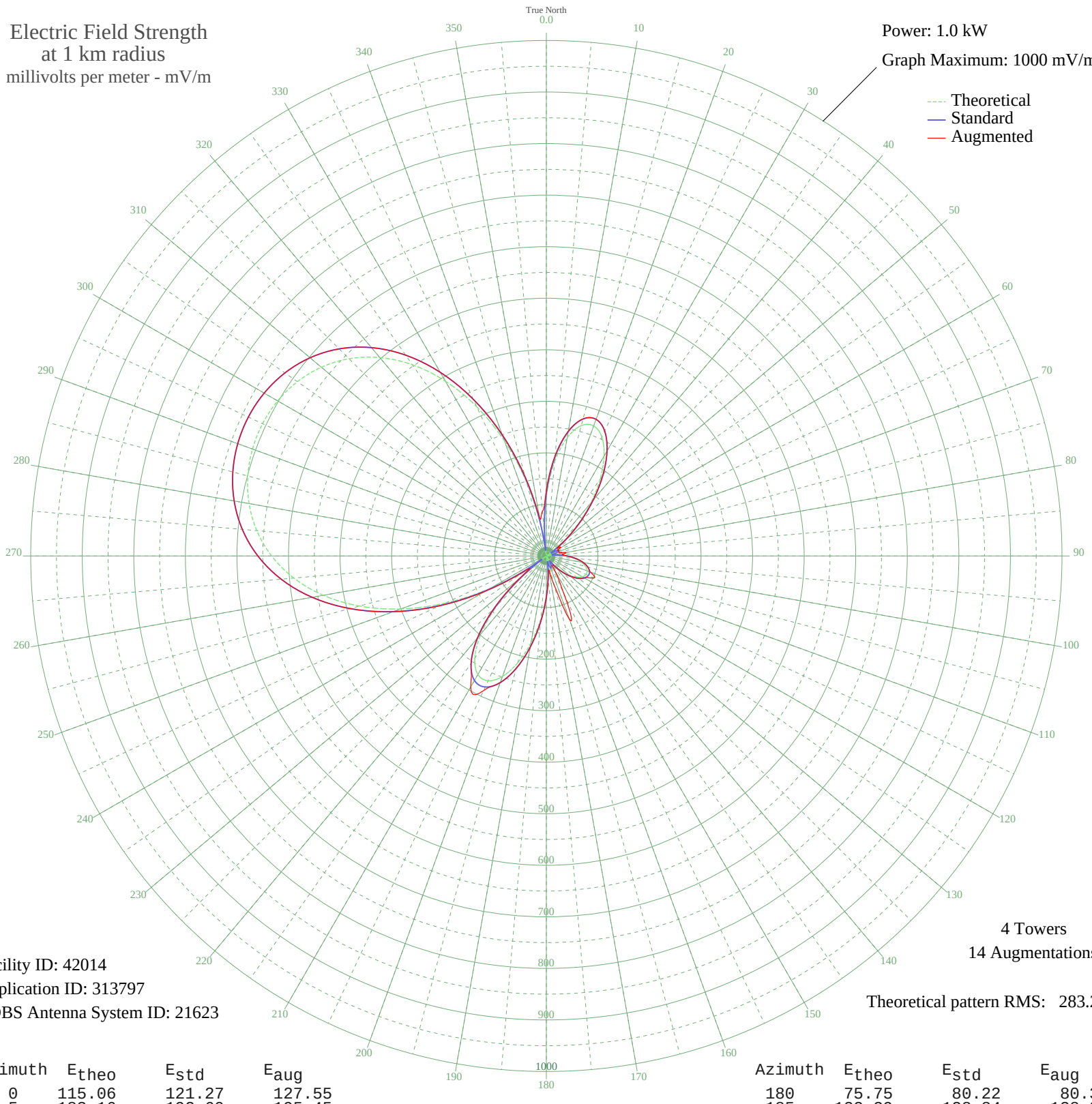
KMAJ TOPEKA, KS BL-- 1440 kHz

Nighttime



Facility ID: 42014
Application ID: 313797
CDBS Antenna System ID: 21623

4 Towers
14 Augmentations

Theoretical pattern RMS: 283.24

Azimuth	E_{theo}	E_{std}	E_{aug}
0	115.06	121.27	127.55
5	183.16	192.60	195.45
10	233.07	244.95	246.12
15	261.79	275.09	275.37
20	268.50	282.12	282.12
25	254.68	267.62	267.62
30	224.02	235.45	235.45
35	181.75	191.13	191.13
40	133.93	141.01	141.01
45	86.48	91.41	91.41
50	44.50	47.89	48.19
55	11.60	16.08	26.04
60	10.24	15.03	30.32
65	20.71	24.15	26.27
70	20.84	24.27	26.09
75	12.62	16.91	25.16
80	1.46	10.61	38.58
85	18.82	22.38	30.18
90	37.05	40.29	40.82
95	54.09	57.76	57.76
100	68.35	72.53	72.53
105	78.68	83.28	83.28
110	84.34	89.18	90.50
115	84.96	89.82	101.58
120	80.49	85.16	85.16
125	71.22	75.52	75.52
130	57.82	61.61	61.61
135	41.31	44.63	44.63
140	23.20	26.53	28.17
145	5.43	11.95	20.94
150	9.68	14.61	32.02
155	19.54	23.05	79.31
160	21.62	25.01	130.92
165	13.77	17.87	58.74
170	5.32	11.89	27.28
175	35.67	38.90	43.10

Azimuth	E_{theo}	E_{std}	E_{aug}
180	75.75	80.22	80.30
185	122.29	128.84	128.84
190	170.55	179.38	179.38
195	214.71	225.69	225.69
200	248.68	261.33	261.33
205	266.95	280.49	288.17
210	265.39	278.86	293.36
215	241.97	254.28	254.76
220	196.94	207.05	208.60
225	132.83	139.87	143.65
230	53.96	57.63	68.55
235	34.26	37.48	53.49
240	126.11	132.84	137.56
245	216.27	227.33	229.31
250	300.36	315.55	316.30
255	375.26	394.16	394.33
260	439.19	461.27	461.27
265	491.56	516.24	516.24
270	532.70	559.44	559.44
275	563.57	591.85	591.85
280	585.39	614.75	614.75
285	599.37	629.42	629.42
290	606.45	636.86	636.86
295	607.20	637.65	637.65
300	601.67	631.84	631.84
305	589.42	618.98	618.98
310	569.59	598.16	598.16
315	541.00	568.15	568.15
320	502.43	527.65	527.65
325	452.81	475.57	475.57
330	391.64	411.36	411.39
335	319.26	335.39	335.84
340	237.14	249.22	250.79
345	148.09	155.85	159.99
350	56.19	59.92	75.80
355	33.43	36.64	87.05

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