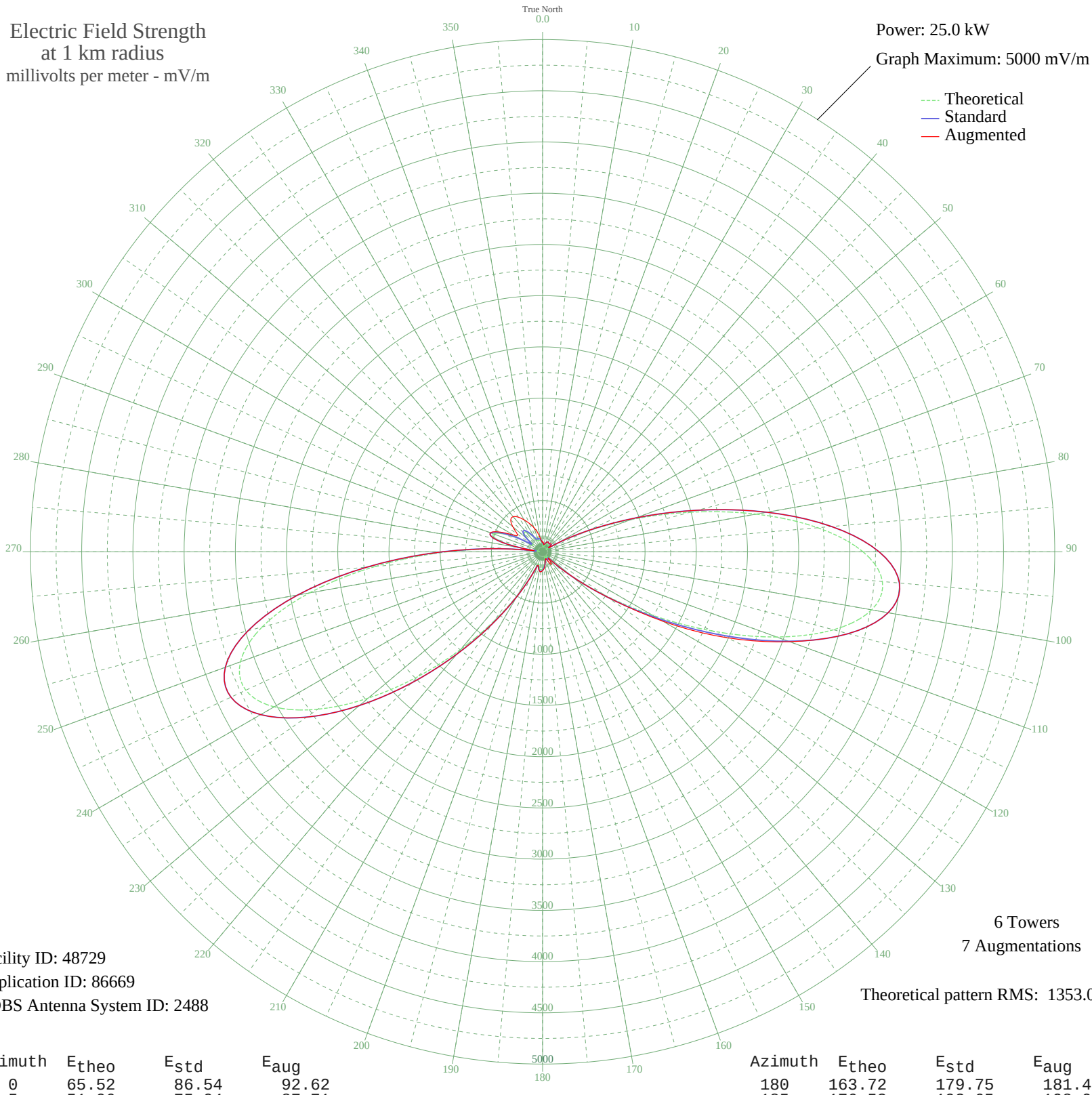
KRMG TULSA, OK BL-19860320AG 740 kHz

Nighttime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

6 Towers
7 Augmentations

Facility ID: 48729
Application ID: 86669
CDBS Antenna System ID: 2488

Theoretical pattern RMS: 1353.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	65.52	86.54	92.62
5	51.06	75.04	87.71
10	47.40	72.34	72.34
15	56.18	78.97	78.97
20	72.79	92.72	92.72
25	87.45	105.78	105.78
30	91.65	109.62	109.62
35	84.79	103.36	103.36
40	80.91	99.87	99.87
45	91.90	109.85	109.85
50	91.34	109.34	109.34
55	43.57	69.63	69.63
60	154.36	170.37	170.37
65	461.18	487.07	487.07
70	917.43	964.73	964.73
75	1491.88	1567.35	1567.35
80	2116.78	2223.24	2223.24
85	2696.44	2831.75	2831.75
90	3128.30	3285.13	3285.13
95	3329.82	3496.70	3496.70
100	3262.02	3425.52	3425.52
105	2940.83	3088.32	3088.32
110	2431.94	2554.07	2566.04
115	1831.02	1923.29	1984.14
120	1237.21	1300.13	1354.33
125	729.22	767.48	767.48
130	351.81	373.11	373.11
135	117.70	134.28	134.28
140	53.73	77.07	100.32
145	76.09	95.60	150.00
150	67.89	88.53	109.37
155	50.61	74.70	74.70
160	55.62	78.53	78.53
165	81.36	100.27	100.27
170	111.40	128.22	130.53
175	140.05	156.15	166.00

Azimuth	E_{theo}	E_{std}	E_{aug}
180	163.72	179.75	181.40
185	176.53	192.65	198.00
190	170.24	186.30	186.30
195	140.54	156.63	156.63
200	126.24	142.57	142.57
205	241.72	259.18	259.18
210	482.42	509.26	509.26
215	821.15	863.81	863.81
220	1243.35	1306.57	1306.57
225	1724.13	1811.10	1811.10
230	2222.04	2333.73	2333.73
235	2679.15	2813.60	2813.60
240	3026.83	3178.60	3178.60
245	3197.22	3357.49	3357.49
250	3139.20	3296.58	3296.58
255	2834.89	2977.10	2977.10
260	2311.17	2427.30	2427.30
265	1640.38	1723.20	1723.20
270	927.55	975.34	975.34
275	286.09	304.94	307.37
280	191.76	208.08	211.63
285	455.51	481.16	481.16
290	510.09	538.16	542.12
295	406.62	430.17	453.58
300	227.89	244.98	325.69
305	111.41	128.22	302.50
310	189.08	205.36	379.22
315	252.91	270.70	439.84
320	252.38	270.14	447.00
325	206.20	222.79	412.09
330	149.51	165.53	359.21
335	118.06	134.62	305.27
340	116.89	133.49	252.75
345	118.06	134.62	197.02
350	107.03	124.04	140.24
355	86.64	105.03	105.03

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