

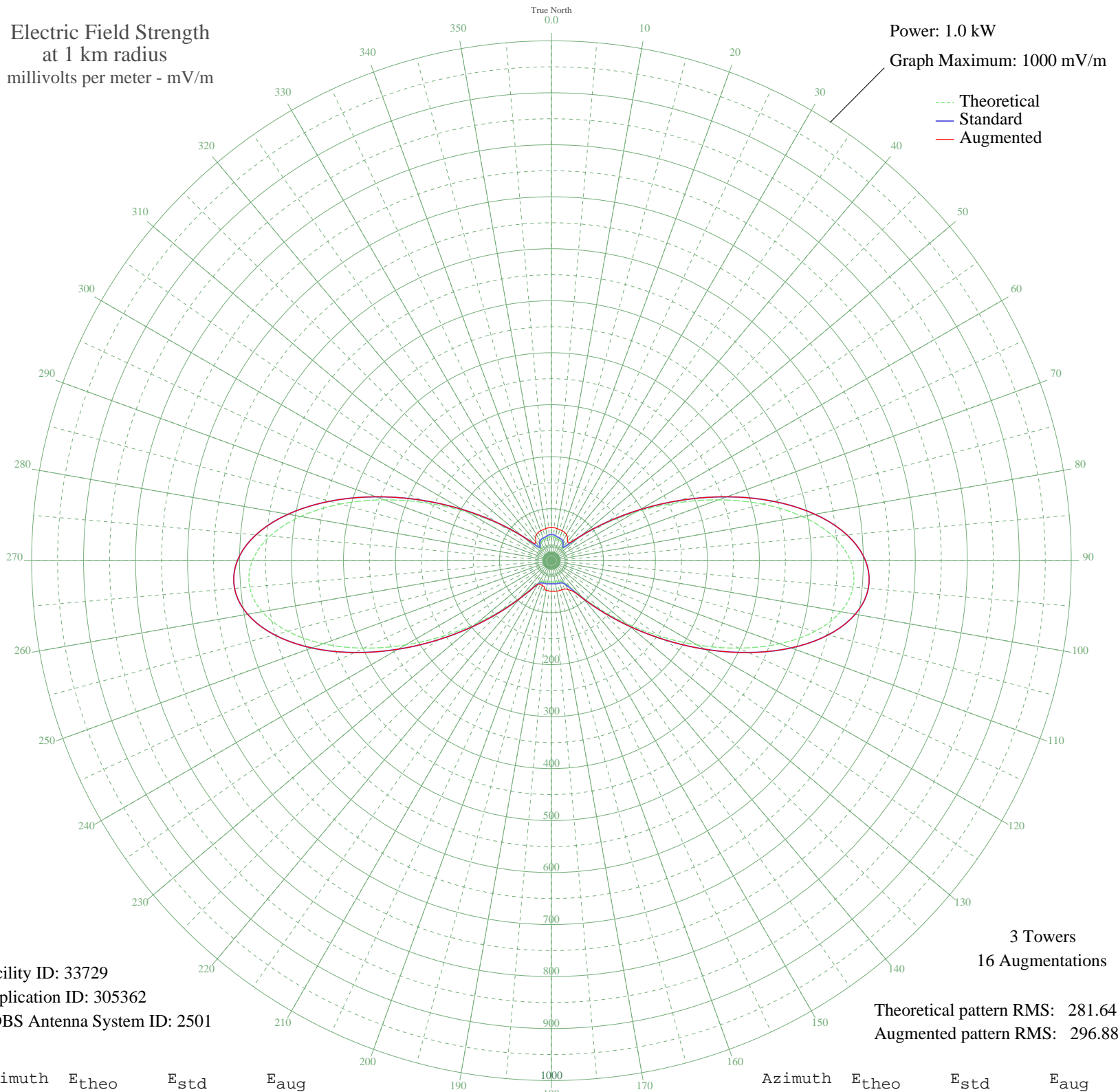
KCMC TEXARKANA, TX BL-8603 740 kHz

Unlimited Time

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: 33729
Application ID: 305362
CDBS Antenna System ID: 2501

3 Towers
16 Augmentations

Theoretical pattern RMS: 281.64
Augmented pattern RMS: 296.88

Azimuth	E _{theo}	E _{std}	E _{aug}
0	47.04	50.50	63.41
5	46.46	49.90	63.42
10	45.03	48.43	62.76
15	43.56	46.92	61.71
20	42.71	46.06	61.16
25	42.21	45.54	60.01
30	40.55	43.85	57.94
35	36.05	39.28	53.57
40	30.44	33.64	48.49
45	37.88	41.14	47.98
50	69.88	74.13	74.13
55	120.83	127.31	127.31
60	186.13	195.72	195.72
65	261.64	274.92	274.92
70	341.98	359.23	359.23
75	420.49	441.64	441.64
80	489.91	514.52	514.52
85	543.35	570.62	570.62
90	575.34	604.20	604.20
95	582.72	611.95	611.95
100	565.14	593.49	593.49
105	525.06	551.42	551.42
110	467.28	490.76	490.76
115	398.08	418.11	418.11
120	324.23	340.61	340.61
125	252.08	264.90	264.90
130	186.83	196.45	196.45
135	132.20	139.21	139.21
140	90.53	95.64	95.64
145	62.92	66.90	72.02
150	48.65	52.16	64.37
155	43.71	47.09	60.37
160	42.64	45.98	59.55
165	42.26	45.60	59.59
170	41.77	45.09	59.55
175	41.29	44.60	59.20

Azimuth	E _{theo}	E _{std}	E _{aug}
180	41.09	44.40	59.06
185	41.29	44.60	58.39
190	41.77	45.09	57.94
195	42.26	45.60	52.70
200	42.64	45.98	51.50
205	43.71	47.09	49.97
210	48.65	52.16	52.40
215	62.92	66.90	66.90
220	90.53	95.64	95.64
225	132.20	139.21	139.21
230	186.83	196.45	196.45
235	252.09	264.90	264.90
240	324.24	340.61	340.61
245	398.08	418.11	418.11
250	467.28	490.76	490.76
255	525.06	551.42	551.42
260	565.14	593.49	593.49
265	582.72	611.95	611.95
270	575.34	604.20	604.20
275	543.35	570.62	570.62
280	489.91	514.52	514.52
285	420.49	441.64	441.64
290	341.98	359.23	359.23
295	261.64	274.92	274.92
300	186.13	195.72	195.72
305	120.83	127.31	127.31
310	69.88	74.12	74.12
315	37.88	41.14	47.14
320	30.44	33.64	46.82
325	36.05	39.28	52.82
330	40.55	43.85	57.94
335	42.21	45.54	60.01
340	42.71	46.06	61.16
345	43.56	46.92	61.71
350	45.03	48.43	62.76
355	46.46	49.90	63.42

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.

06 Nov 2009

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