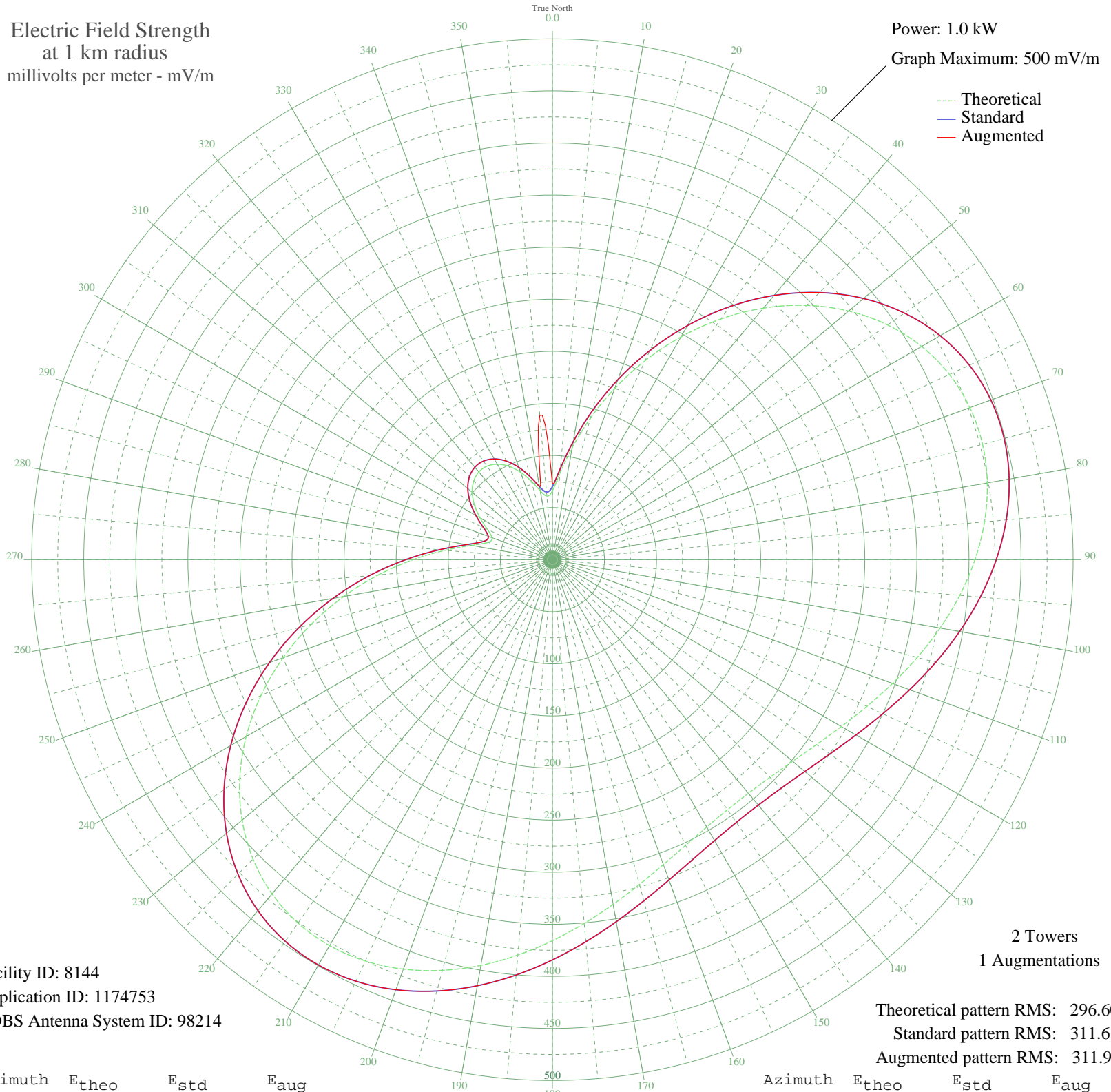


KXEW SOUTH TUCSON, AZ 3L-20070214ACR 1600 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 500 mV/m



Facility ID: 8144
Application ID: 1174753
CDBS Antenna System ID: 98214

Theoretical pattern RMS: 296.60
Standard pattern RMS: 311.61
Augmented pattern RMS: 311.95

Azimuth	E _{theo}	E _{std}	E _{aug}
0	66.07	70.17	72.82
5	83.13	87.92	87.92
10	109.05	114.98	114.98
15	140.37	147.76	147.76
20	174.82	183.86	183.86
25	210.78	221.57	221.57
30	246.94	259.49	259.49
35	282.10	296.39	296.39
40	315.19	331.12	331.12
45	345.21	362.63	362.63
50	371.33	390.04	390.04
55	392.87	412.65	412.65
60	409.38	429.98	429.98
65	420.63	441.79	441.79
70	426.63	448.08	448.08
75	427.61	449.12	449.12
80	424.03	445.36	445.36
85	416.50	437.45	437.45
90	405.77	426.19	426.19
95	392.65	412.42	412.42
100	378.02	397.06	397.06
105	362.71	380.99	380.99
110	347.53	365.06	365.06
115	333.20	350.02	350.02
120	320.36	336.55	336.55
125	309.54	325.19	325.19
130	301.15	316.38	316.38
135	295.49	310.44	310.44
140	292.77	307.58	307.58
145	293.07	307.90	307.90
150	296.39	311.39	311.39
155	302.61	317.92	317.92
160	311.52	327.27	327.27
165	322.79	339.09	339.09
170	335.97	352.92	352.92
175	350.52	368.19	368.19

Azimuth	E _{theo}	E _{std}	E _{aug}
180	365.79	384.22	384.22
185	381.03	400.22	400.22
190	395.43	415.33	415.33
195	408.13	428.67	428.67
200	418.29	439.33	439.33
205	425.09	446.46	446.46
210	427.80	449.31	449.31
215	425.84	447.25	447.25
220	418.81	439.87	439.87
225	406.50	426.95	426.95
230	388.96	408.54	408.54
235	366.46	384.92	384.92
240	339.50	356.63	356.63
245	308.79	324.40	324.40
250	275.20	289.15	289.15
255	239.75	251.95	251.95
260	203.53	213.97	213.97
265	167.76	176.46	176.46
270	133.80	140.88	140.88
275	103.34	109.02	109.02
280	78.88	83.49	83.49
285	64.07	68.09	68.09
290	61.66	65.59	65.59
295	68.96	73.16	73.16
300	80.17	84.83	84.83
305	91.33	96.47	96.47
310	100.50	106.05	106.05
315	106.82	112.65	112.65
320	109.88	115.85	115.85
325	109.54	115.50	115.50
330	105.81	111.60	111.60
335	98.88	104.35	104.35
340	89.22	94.26	94.26
345	77.84	82.41	82.41
350	67.01	71.14	71.14
355	61.19	65.10	139.08

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission