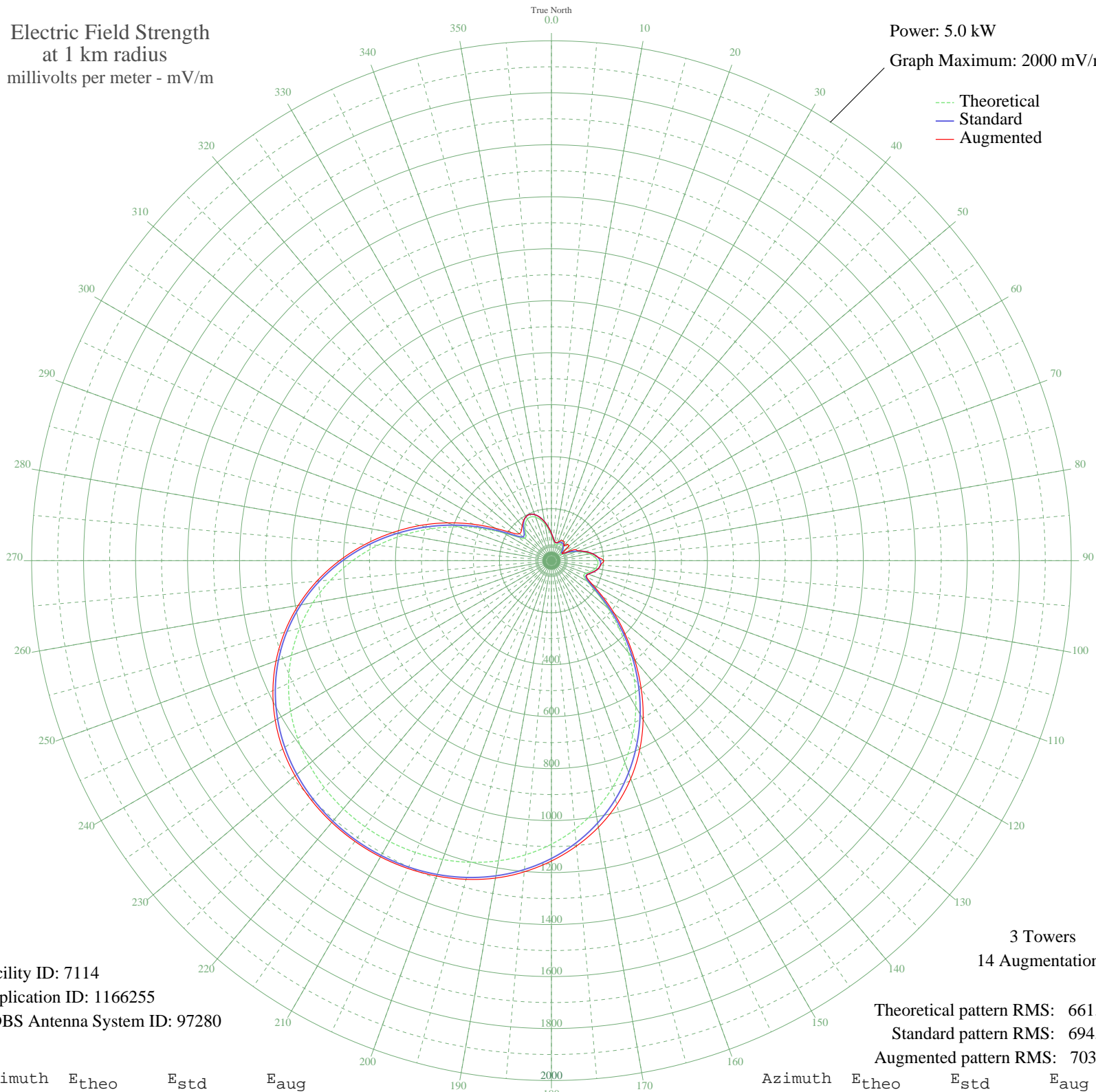


KHOJ ST. CHARLES, MO BP-20050706ACB 1460 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 7114
Application ID: 1166255
CDBS Antenna System ID: 97280

3 Towers
14 Augmentations

Theoretical pattern RMS: 661.44
Standard pattern RMS: 694.91
Augmented pattern RMS: 703.14

Azimuth	E _{theo}	E _{std}	E _{aug}
0	97.39	104.95	104.95
5	78.42	85.66	85.66
10	66.66	73.87	73.87
15	63.64	70.88	70.88
20	66.63	73.84	76.20
25	70.88	78.08	84.61
30	72.90	80.11	88.51
35	70.91	78.11	84.64
40	64.43	71.65	74.08
45	54.29	61.70	88.51
50	43.65	51.56	88.51
55	40.37	48.52	48.52
60	51.92	59.41	59.41
65	74.05	81.26	101.39
70	100.11	107.73	111.04
75	126.06	134.45	134.45
80	149.05	158.28	158.28
85	166.74	176.66	176.66
90	177.16	187.51	201.17
95	178.96	189.39	189.39
100	171.85	181.98	181.98
105	157.51	167.07	167.07
110	141.71	150.66	150.66
115	137.18	145.96	149.77
120	159.34	168.97	180.61
125	210.84	222.64	239.33
130	283.21	298.30	315.66
135	368.29	387.42	402.34
140	460.39	483.99	498.98
145	555.30	583.54	602.49
150	649.64	682.53	705.61
155	740.70	778.09	803.24
160	826.32	867.96	892.24
165	904.96	950.50	971.52
170	975.56	1024.61	1041.28
175	1037.59	1089.73	1102.22

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1090.92	1145.71	1155.43
185	1135.72	1192.74	1201.78
190	1172.39	1231.24	1240.00
195	1201.42	1261.71	1269.12
200	1223.31	1284.69	1291.12
205	1238.49	1300.63	1306.65
210	1247.26	1309.84	1315.79
215	1249.74	1312.44	1318.41
220	1245.84	1308.34	1314.77
225	1235.28	1297.26	1304.86
230	1217.63	1278.73	1287.73
235	1192.30	1252.14	1262.19
240	1158.68	1216.85	1227.23
245	1116.18	1172.22	1182.43
250	1064.33	1117.79	1127.59
255	1002.92	1053.33	1062.88
260	932.10	978.99	988.89
265	852.43	895.37	906.15
270	765.04	803.64	815.65
275	671.57	705.54	719.63
280	574.28	603.45	621.09
285	475.99	500.35	523.04
290	380.14	399.85	425.31
295	291.00	306.46	331.57
300	214.29	226.24	248.98
305	158.56	168.16	187.72
310	133.95	142.62	160.93
315	139.30	148.16	163.39
320	157.72	167.28	175.39
325	175.01	185.27	187.45
330	184.97	195.65	195.65
335	185.89	196.61	196.61
340	178.12	188.51	188.51
345	163.09	172.87	172.87
350	142.89	151.89	151.89
355	120.02	128.21	128.21