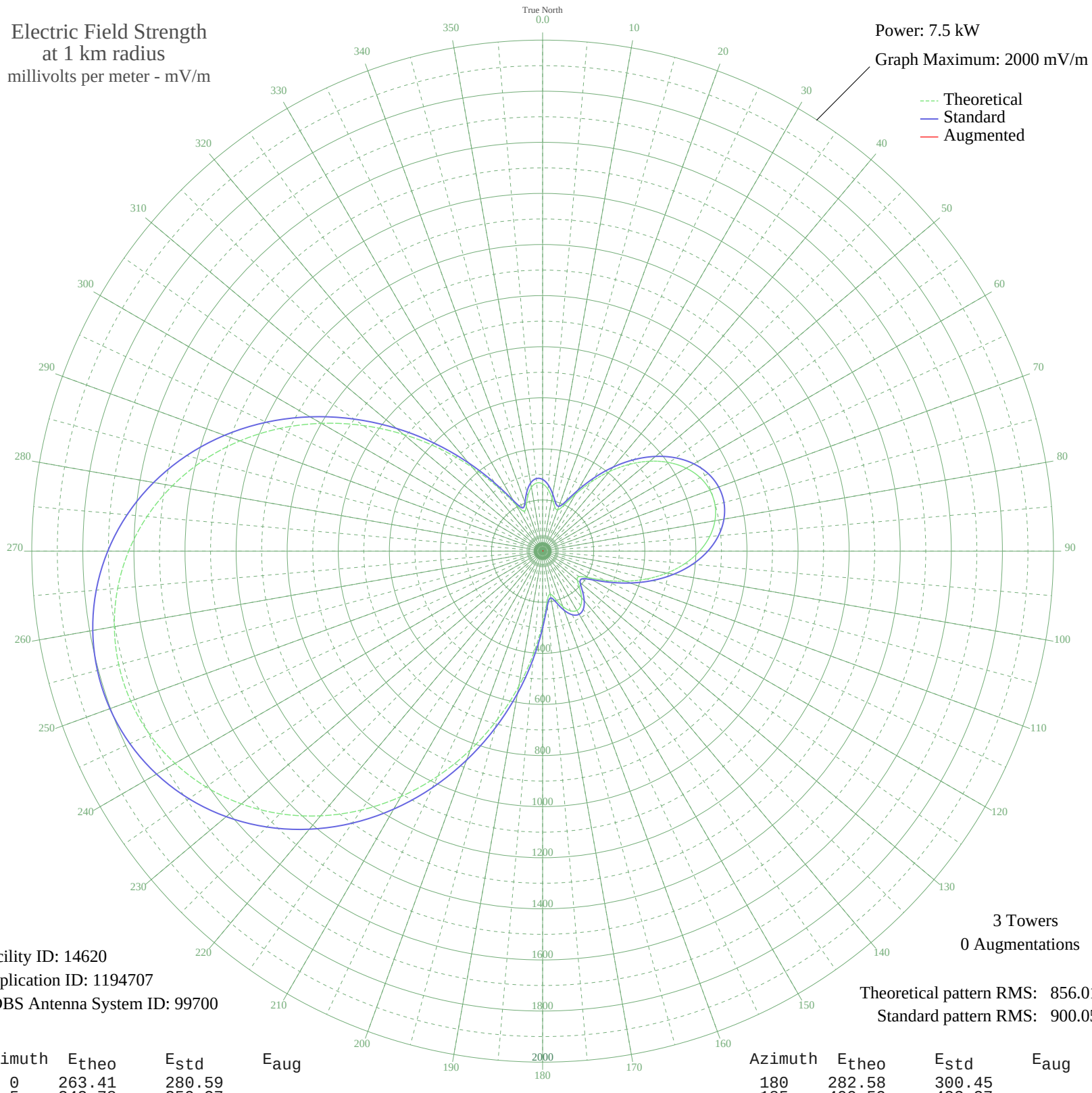
KEXS EXCELSIOR SPRINGS, MO BP-20060727AJU 1090 kHz

Daytime

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



Power: 7.5 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 14620
Application ID: 1194707
CDBS Antenna System ID: 99700

Theoretical pattern RMS: 856.01
Standard pattern RMS: 900.05

Azimuth	E_{theo}	E_{std}	E_{aug}
0	263.41	280.59	
5	242.78	259.27	
10	211.51	227.06	
15	181.25	196.10	
20	171.72	186.41	
25	198.99	214.22	
30	256.73	273.69	
35	329.42	349.11	
40	406.12	429.04	
45	480.18	506.40	
50	547.26	576.57	
55	604.34	636.31	
60	649.24	683.34	
65	680.48	716.07	
70	697.11	733.49	
75	698.62	735.08	
80	685.00	720.80	
85	656.62	691.07	
90	614.35	646.80	
95	559.56	589.44	
100	494.27	521.13	
105	421.31	444.89	
110	344.70	365.01	
115	270.51	287.94	
120	208.62	224.10	
125	174.09	188.82	
130	176.96	191.73	
135	204.86	220.24	
140	237.11	253.42	
145	260.47	277.55	
150	268.26	285.62	
155	257.85	274.84	
160	230.47	246.57	
165	193.94	209.06	
170	171.01	185.69	
175	198.56	213.79	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	282.58	300.45	
185	400.59	423.27	
190	536.48	565.28	
195	680.99	716.60	
200	827.80	870.47	
205	971.95	1021.64	
210	1109.45	1165.88	
215	1237.10	1299.81	
220	1352.41	1420.82	
225	1453.57	1526.98	
230	1539.30	1616.96	
235	1608.81	1689.91	
240	1661.61	1745.33	
245	1697.46	1782.96	
250	1716.26	1802.69	
255	1717.97	1804.48	
260	1702.58	1788.34	
265	1670.14	1754.28	
270	1620.71	1702.41	
275	1554.52	1632.93	
280	1471.98	1546.30	
285	1373.82	1443.29	
290	1261.21	1325.12	
295	1135.86	1193.59	
300	1000.10	1051.17	
305	856.98	901.07	
310	710.34	747.36	
315	564.92	595.05	
320	426.70	450.52	
325	304.12	322.81	
330	211.51	227.06	
335	171.51	186.19	
340	187.15	202.11	
345	223.46	239.35	
350	253.61	270.46	
355	267.66	284.99	

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 2007

Prepared by Audio Division, Media Bureau
Federal Communications Commission