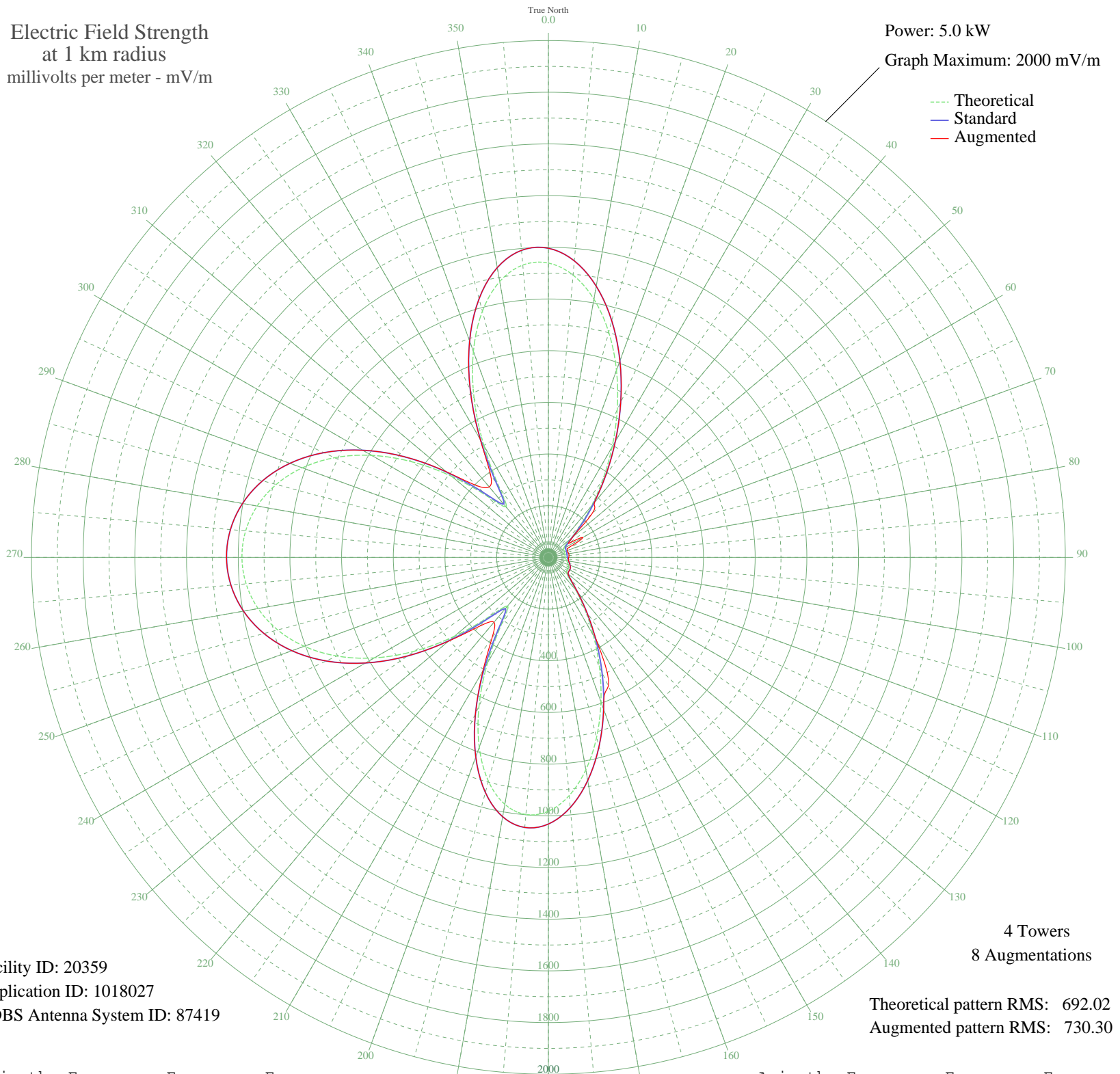


**KTRS ST. LOUIS, MO 7L-20040927APC 550 kHz**

**Nighttime**

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 20359  
Application ID: 1018027  
CDBS Antenna System ID: 87419

Theoretical pattern RMS: 692.02  
Augmented pattern RMS: 730.30

Azimuth	Etheo	Estd	Eaug
0	1139.09	1196.32	1196.32
5	1096.70	1151.83	1151.83
10	1014.71	1065.76	1065.76
15	902.25	947.72	947.72
20	770.29	809.22	809.22
25	630.24	662.26	662.26
30	492.74	518.02	518.02
35	366.70	385.89	385.89
40	258.78	272.95	277.33
45	173.44	183.94	238.15
50	113.43	121.87	123.68
55	79.78	87.65	93.83
60	67.91	75.83	154.03
65	66.28	74.22	81.43
70	66.29	74.23	78.17
75	65.68	73.63	78.01
80	64.92	72.89	80.08
85	64.80	72.77	80.28
90	65.74	73.69	78.66
95	67.92	75.84	77.38
100	71.50	79.38	79.38
105	76.35	84.21	84.21
110	81.68	89.56	89.56
115	86.01	93.93	93.93
120	87.87	95.80	95.80
125	87.74	95.67	95.67
130	91.96	99.94	99.94
135	114.51	122.98	122.98
140	165.90	176.09	176.09
145	245.43	258.99	258.99
150	347.99	366.30	374.90
155	467.09	491.12	549.18
160	594.62	624.89	624.89
165	720.80	757.28	757.28
170	834.68	876.79	876.79
175	925.19	971.79	971.79

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

Azimuth	Etheo	Estd	Eaug
180	982.41	1031.86	1031.86
185	998.80	1049.06	1049.06
190	970.20	1019.04	1019.04
195	896.51	941.69	941.69
200	781.92	821.42	821.42
205	635.11	667.36	667.36
210	470.56	494.76	506.22
215	316.59	333.42	379.56
220	245.58	259.15	327.38
225	325.17	342.40	376.85
230	475.38	499.81	504.22
235	633.00	665.15	665.15
240	777.94	817.24	817.24
245	902.97	948.47	948.47
250	1005.35	1055.93	1055.93
255	1084.39	1138.90	1138.90
260	1140.38	1197.67	1197.67
265	1173.94	1232.91	1232.91
270	1185.65	1245.20	1245.20
275	1175.76	1234.82	1234.82
280	1144.09	1201.57	1201.57
285	1090.13	1144.93	1144.93
290	1013.19	1064.17	1064.17
295	912.83	958.82	958.82
300	789.44	829.31	829.31
305	645.34	678.10	678.69
310	487.34	512.36	515.78
315	335.55	353.27	393.09
320	255.37	269.38	356.12
325	332.11	349.67	389.86
330	498.55	524.11	527.46
335	680.45	714.93	715.50
340	848.29	891.07	891.07
345	986.29	1035.92	1035.92
350	1084.12	1138.62	1138.62
355	1135.68	1192.74	1192.74