

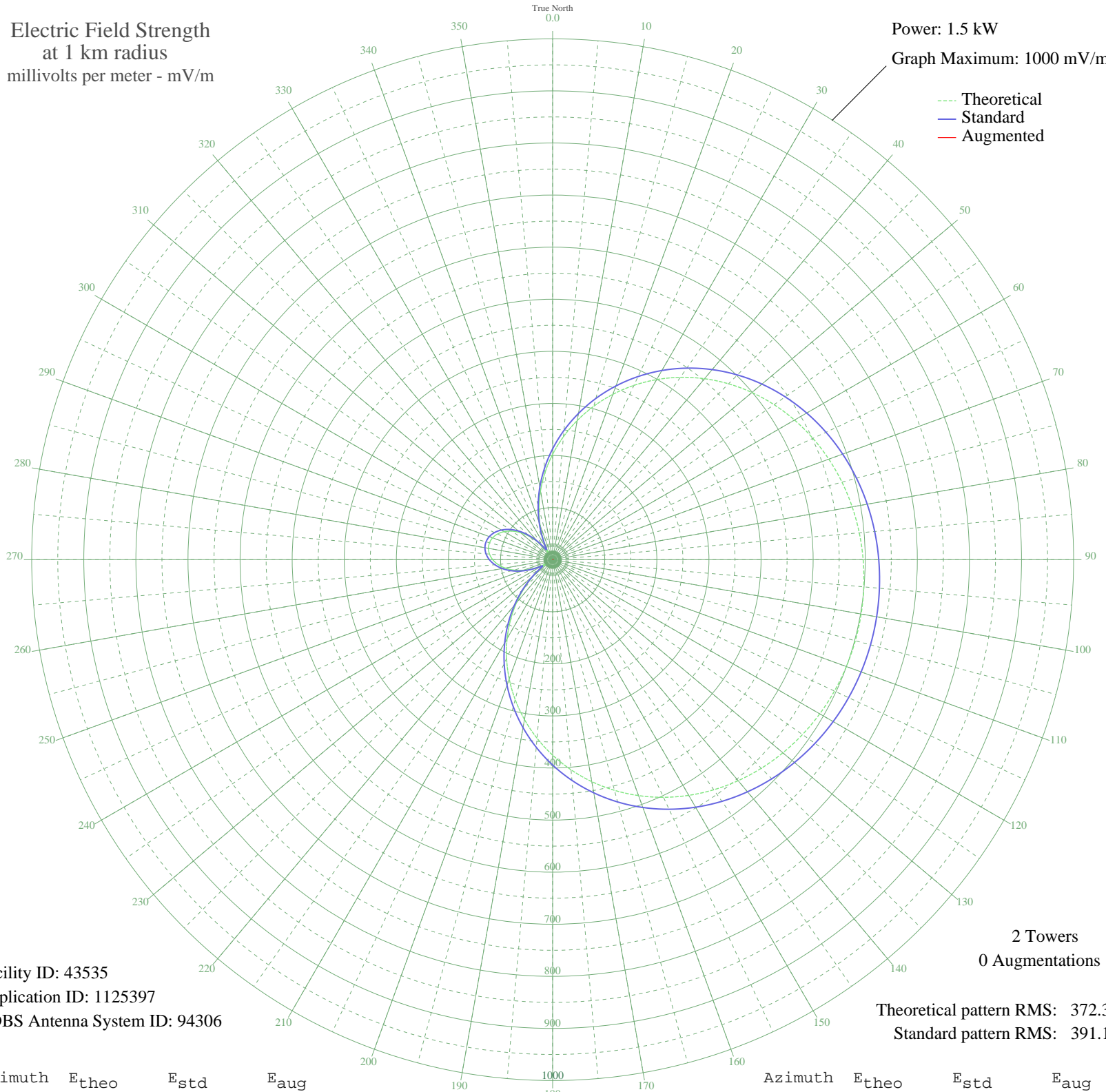
# KLTJ SPRINGFIELD, MO BMJP-20041028AEX 660 kHz

Daytime

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

Power: 1.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 43535  
Application ID: 1125397  
CDBS Antenna System ID: 94306

2 Towers  
0 Augmentations

Theoretical pattern RMS: 372.33  
Standard pattern RMS: 391.16

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	202.34	212.85	
5	236.88	249.06	
10	271.21	285.06	
15	304.95	320.45	
20	337.73	354.86	
25	369.25	387.92	
30	399.20	419.36	
35	427.34	448.89	
40	453.49	476.34	
45	477.51	501.56	
50	499.32	524.44	
55	518.86	544.95	
60	536.14	563.10	
65	551.21	578.92	
70	564.13	592.47	
75	574.97	603.86	
80	583.84	613.17	
85	590.83	620.51	
90	596.03	625.97	
95	599.50	629.61	
100	601.31	631.51	
105	601.47	631.68	
110	600.00	630.13	
115	596.86	626.84	
120	592.01	621.75	
125	585.39	614.80	
130	576.90	605.89	
135	566.46	594.92	
140	553.96	581.81	
145	539.33	566.45	
150	522.49	548.77	
155	503.41	528.73	
160	482.05	506.32	
165	458.47	481.57	
170	432.74	454.56	
175	404.98	425.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	375.37	394.35	
185	344.15	361.59	
190	311.59	327.43	
195	278.01	292.20	
200	243.77	256.29	
205	209.24	220.09	
210	174.83	184.03	
215	140.95	148.56	
220	108.03	114.16	
225	76.56	81.42	
230	47.33	51.35	
235	23.04	27.44	
240	20.19	24.84	
245	38.91	42.85	
250	59.01	63.29	
255	77.16	82.04	
260	92.70	98.19	
265	105.38	111.40	
270	115.06	121.50	
275	121.65	128.39	
280	125.12	132.01	
285	125.44	132.34	
290	122.60	129.38	
295	116.62	123.14	
300	107.55	113.67	
305	95.47	101.07	
310	80.48	85.49	
315	62.83	67.22	
320	43.01	46.98	
325	23.29	27.66	
330	19.76	24.45	
335	41.90	45.85	
340	70.50	75.15	
345	101.60	107.46	
350	134.27	141.58	
355	168.00	176.87	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission