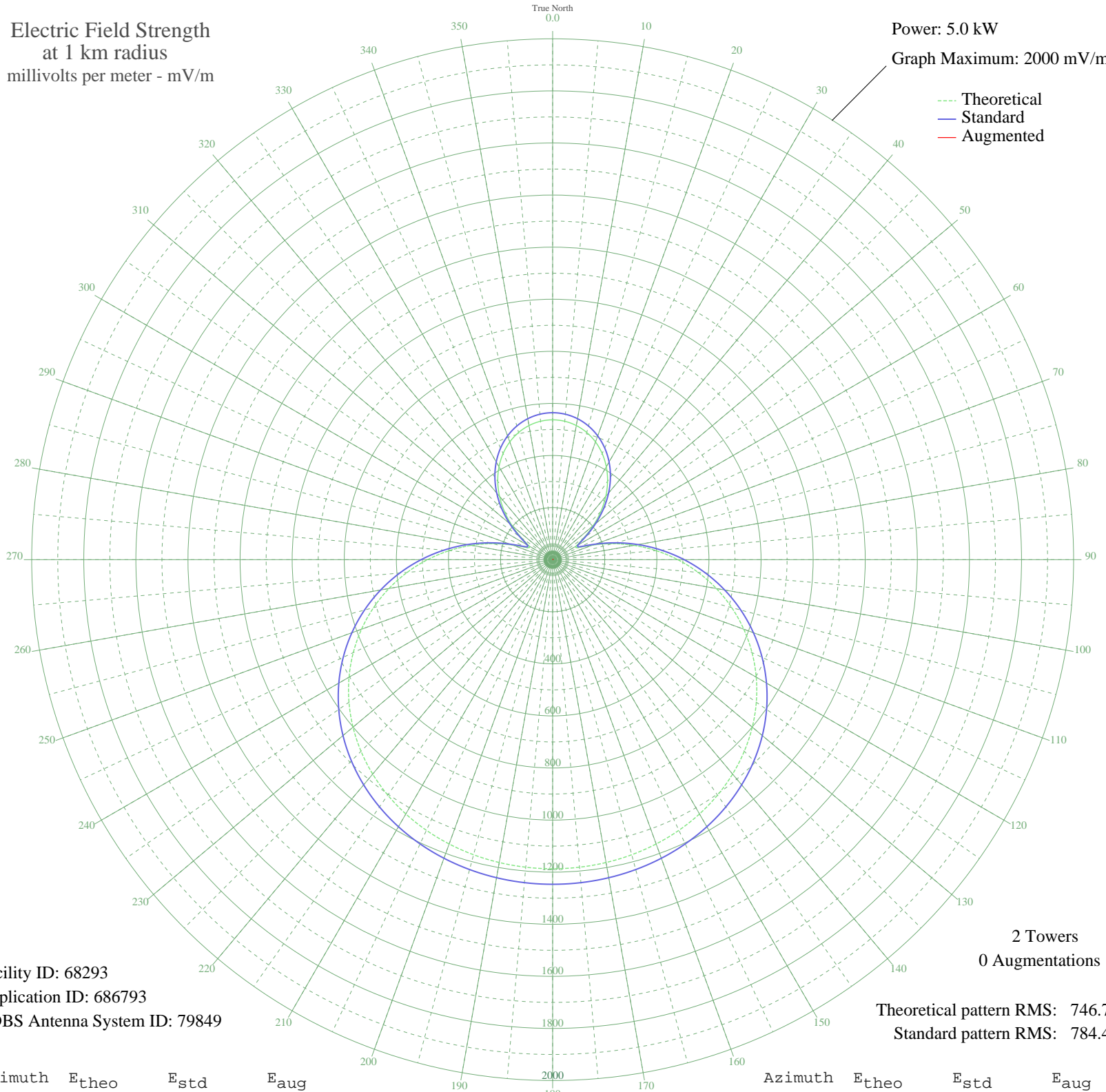


# KTBZ TULSA, OK BL-20030905ACQ 1430 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 68293  
Application ID: 686793  
CDBS Antenna System ID: 79849

2 Towers  
0 Augmentations

Theoretical pattern RMS: 746.74  
Standard pattern RMS: 784.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	536.93	564.29	
5	533.44	560.62	
10	522.96	549.63	
15	505.51	531.32	
20	481.12	505.74	
25	449.88	472.98	
30	411.93	433.18	
35	367.55	386.67	
40	317.23	333.95	
45	261.86	275.99	
50	203.26	214.76	
55	146.01	155.17	
60	104.57	112.38	
65	110.70	118.68	
70	164.15	174.01	
75	236.86	249.85	
80	316.45	333.13	
85	398.39	418.99	
90	480.35	504.93	
95	560.72	589.24	
100	638.24	670.58	
105	711.91	747.88	
110	780.89	820.28	
115	844.58	887.13	
120	902.53	947.96	
125	954.52	1002.53	
130	1000.47	1050.77	
135	1040.48	1092.77	
140	1074.77	1128.76	
145	1103.64	1159.07	
150	1127.50	1184.12	
155	1146.75	1204.32	
160	1161.81	1220.14	
165	1173.07	1231.96	
170	1180.86	1240.14	
175	1185.43	1244.93	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1186.94	1246.51	
185	1185.43	1244.93	
190	1180.86	1240.14	
195	1173.07	1231.96	
200	1161.81	1220.14	
205	1146.75	1204.32	
210	1127.50	1184.12	
215	1103.64	1159.07	
220	1074.77	1128.76	
225	1040.48	1092.77	
230	1000.47	1050.77	
235	954.52	1002.53	
240	902.53	947.96	
245	844.57	887.13	
250	780.89	820.28	
255	711.90	747.88	
260	638.24	670.58	
265	560.71	589.24	
270	480.35	504.93	
275	398.39	418.99	
280	316.45	333.13	
285	236.86	249.85	
290	164.15	174.01	
295	110.70	118.67	
300	104.57	112.38	
305	146.01	155.17	
310	203.26	214.76	
315	261.86	276.00	
320	317.23	333.95	
325	367.55	386.67	
330	411.93	433.19	
335	449.88	472.98	
340	481.12	505.74	
345	505.51	531.32	
350	522.96	549.63	
355	533.44	560.62	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission