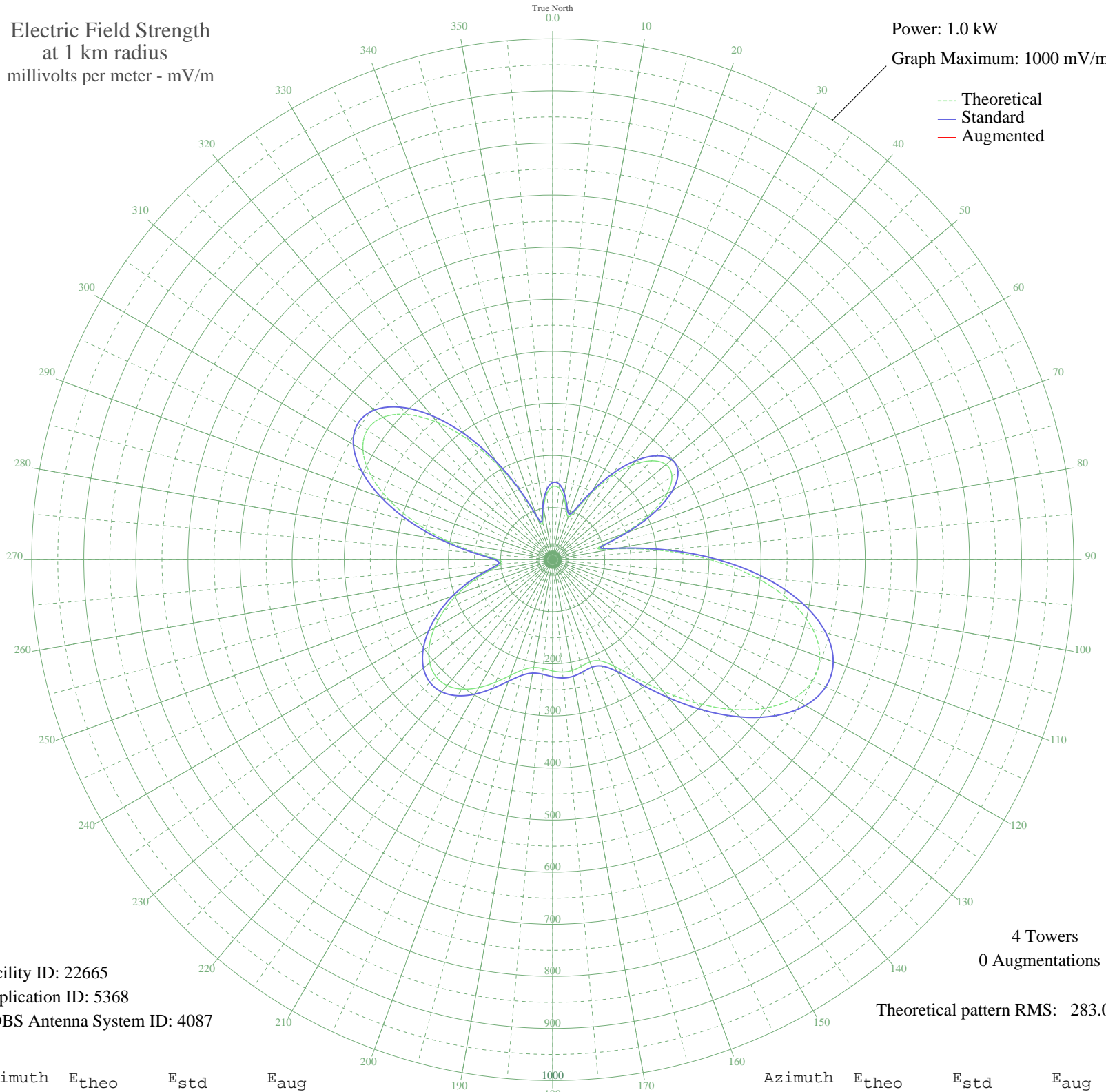


# KCFO TULSA, OK BL-19781012AF 970 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 22665  
Application ID: 5368  
CDBS Antenna System ID: 4087

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 283.08

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	140.34	147.95	
5	138.04	145.54	
10	122.30	129.10	
15	100.09	105.93	
20	87.62	92.95	
25	104.43	110.45	
30	145.08	152.91	
35	192.67	202.74	
40	236.16	248.32	
45	268.35	282.08	
50	283.98	298.47	
55	279.41	293.68	
60	252.93	265.91	
65	205.52	216.20	
70	143.28	151.02	
75	91.62	97.11	
80	119.58	126.26	
85	206.32	217.05	
90	302.40	317.79	
95	391.30	411.08	
100	464.57	487.98	
105	516.95	542.96	
110	545.74	573.18	
115	550.59	578.27	
120	533.24	560.06	
125	497.13	522.15	
130	447.05	469.59	
135	388.87	408.52	
140	329.32	346.04	
145	275.93	290.03	
150	236.08	248.24	
155	214.38	225.49	
160	208.91	219.75	
165	212.08	223.08	
170	216.12	227.31	
175	216.74	227.97	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	213.69	224.77	
185	209.94	220.84	
190	210.29	221.20	
195	218.83	230.16	
200	236.29	248.46	
205	259.55	272.85	
210	283.58	298.05	
215	303.43	318.88	
220	315.35	331.39	
225	317.10	333.22	
230	308.04	323.72	
235	289.04	303.78	
240	262.10	275.52	
245	229.79	241.64	
250	194.56	204.72	
255	158.42	166.87	
260	124.07	130.94	
265	99.84	105.67	
270	104.50	110.52	
275	144.56	152.37	
280	204.56	215.20	
285	270.76	284.61	
290	333.66	350.59	
295	385.61	405.11	
300	420.55	441.77	
305	434.34	456.25	
310	425.26	446.72	
315	394.03	413.95	
320	343.71	361.14	
325	279.33	293.59	
330	207.53	218.31	
335	137.04	144.51	
340	82.82	87.97	
345	73.45	78.25	
350	100.58	106.44	
355	127.10	134.11	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission