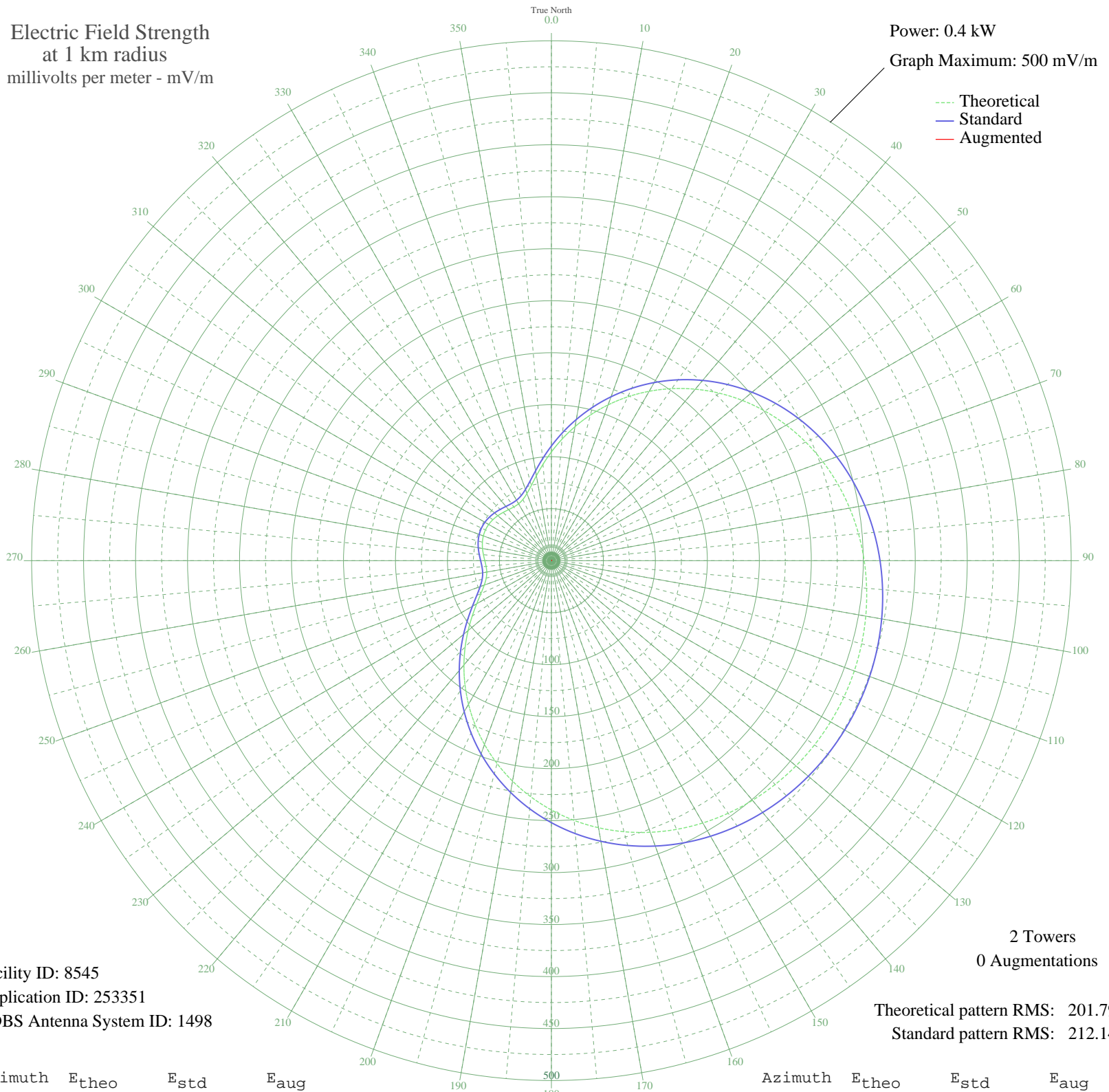


# KWJB CANTON, TX BL-19970916KB 1510 kHz

## Critical Hours

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

Power: 0.4 kW  
Graph Maximum: 500 mV/m



Facility ID: 8545  
Application ID: 253351  
CDBS Antenna System ID: 1498

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 201.79  
Standard pattern RMS: 212.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	104.58	110.31	
5	117.32	123.64	
10	130.91	137.86	
15	145.04	152.66	
20	159.44	167.75	
25	173.87	182.87	
30	188.11	197.80	
35	201.97	212.33	
40	215.29	226.30	
45	227.93	239.56	
50	239.78	251.99	
55	250.76	263.51	
60	260.81	274.05	
65	269.90	283.58	
70	278.00	292.09	
75	285.13	299.57	
80	291.30	306.05	
85	296.55	311.55	
90	300.90	316.12	
95	304.39	319.78	
100	307.06	322.59	
105	308.95	324.57	
110	310.07	325.74	
115	310.44	326.13	
120	310.07	325.74	
125	308.95	324.57	
130	307.06	322.59	
135	304.39	319.78	
140	300.90	316.12	
145	296.55	311.55	
150	291.30	306.05	
155	285.13	299.57	
160	278.00	292.09	
165	269.90	283.58	
170	260.81	274.05	
175	250.76	263.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	239.78	251.99	
185	227.93	239.56	
190	215.29	226.30	
195	201.97	212.33	
200	188.11	197.80	
205	173.87	182.87	
210	159.44	167.75	
215	145.04	152.66	
220	130.91	137.86	
225	117.32	123.64	
230	104.58	110.31	
235	93.01	98.22	
240	82.96	87.74	
245	74.79	79.22	
250	68.74	72.94	
255	64.92	68.97	
260	63.16	67.15	
265	63.06	67.04	
270	64.06	68.08	
275	65.63	69.71	
280	67.29	71.43	
285	68.71	72.91	
290	69.65	73.88	
295	69.98	74.22	
300	69.65	73.88	
305	68.71	72.91	
310	67.29	71.43	
315	65.63	69.71	
320	64.06	68.08	
325	63.06	67.04	
330	63.16	67.15	
335	64.92	68.97	
340	68.74	72.94	
345	74.79	79.22	
350	82.96	87.74	
355	93.01	98.22	

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau  
Federal Communications Commission