

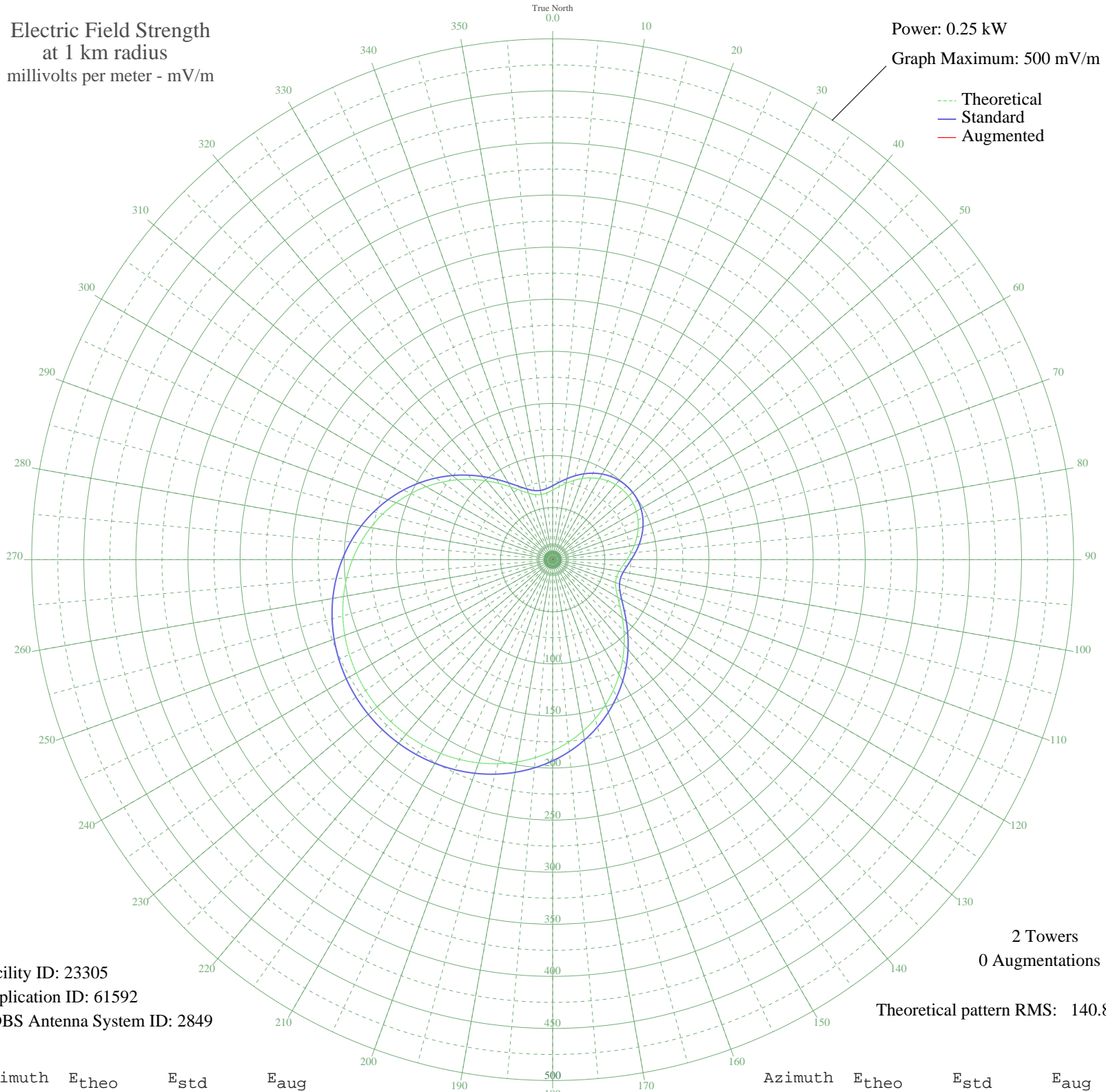
WCTA ALAMO, TN BL-19830930AB 810 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 23305  
Application ID: 61592  
CDBS Antenna System ID: 2849

2 Towers  
0 Augmentations

Theoretical pattern RMS: 140.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	66.83	70.95	
5	70.36	74.62	
10	74.48	78.91	
15	78.76	83.37	
20	82.89	87.67	
25	86.63	91.56	
30	89.81	94.88	
35	92.30	97.48	
40	94.03	99.29	
45	94.95	100.25	
50	95.04	100.34	
55	94.28	99.55	
60	92.71	97.91	
65	90.36	95.46	
70	87.31	92.28	
75	83.68	88.49	
80	79.61	84.25	
85	75.34	79.80	
90	71.16	75.45	
95	67.47	71.61	
100	64.75	68.80	
105	63.54	67.54	
110	64.26	68.29	
115	67.16	71.30	
120	72.18	76.51	
125	79.04	83.65	
130	87.35	92.31	
135	96.70	102.08	
140	106.73	112.56	
145	117.14	123.44	
150	127.66	134.45	
155	138.08	145.36	
160	148.22	155.99	
165	157.95	166.18	
170	167.15	175.82	
175	175.73	184.82	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	183.63	193.10	
185	190.79	200.60	
190	197.18	207.31	
195	202.79	213.19	
200	207.59	218.23	
205	211.60	222.43	
210	214.81	225.80	
215	217.23	228.33	
220	218.86	230.05	
225	219.72	230.94	
230	219.80	231.02	
235	219.10	230.29	
240	217.62	228.74	
245	215.36	226.37	
250	212.31	223.17	
255	208.46	219.13	
260	203.81	214.26	
265	198.37	208.55	
270	192.13	202.01	
275	185.12	194.66	
280	177.37	186.53	
285	168.92	177.68	
290	159.84	168.16	
295	150.20	158.06	
300	140.13	147.51	
305	129.75	136.65	
310	119.24	125.64	
315	108.79	114.72	
320	98.66	104.13	
325	89.15	94.19	
330	80.60	85.27	
335	73.41	77.80	
340	68.00	72.17	
345	64.67	68.71	
350	63.52	67.51	
355	64.37	68.40	