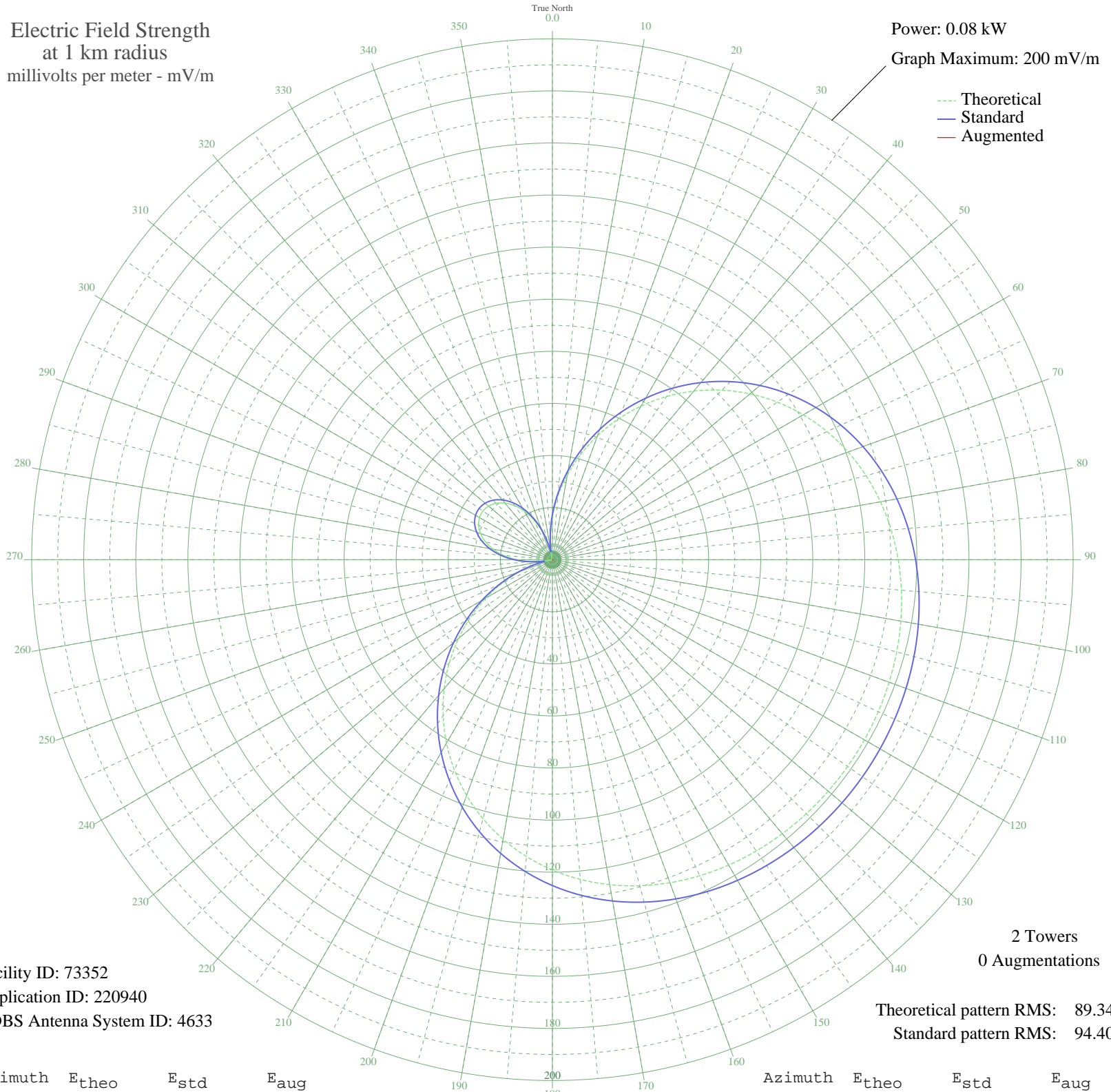


# WXCT SOUTHTON, CT BL-19960228AF 990 kHz

Nighttime

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

Power: 0.08 kW  
Graph Maximum: 200 mV/m



Facility ID: 73352  
Application ID: 220940  
CDBS Antenna System ID: 4633

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 89.34  
Standard pattern RMS: 94.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	16.31	17.38	
5	24.53	25.93	
10	33.07	34.85	
15	41.81	44.00	
20	50.65	53.26	
25	59.45	62.49	
30	68.10	71.56	
35	76.48	80.36	
40	84.49	88.77	
45	92.05	96.69	
50	99.06	104.05	
55	105.47	110.79	
60	111.25	116.86	
65	116.38	122.24	
70	120.86	126.94	
75	124.70	130.97	
80	127.94	134.37	
85	130.63	137.19	
90	132.81	139.48	
95	134.54	141.30	
100	135.89	142.71	
105	136.90	143.77	
110	137.62	144.53	
115	138.10	145.03	
120	138.36	145.30	
125	138.42	145.37	
130	138.28	145.22	
135	137.93	144.86	
140	137.36	144.26	
145	136.53	143.39	
150	135.39	142.19	
155	133.90	140.63	
160	131.99	138.63	
165	129.62	136.13	
170	126.72	133.09	
175	123.24	129.44	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	119.15	125.14	
185	114.41	120.17	
190	109.02	114.51	
195	102.98	108.17	
200	96.32	101.18	
205	89.09	93.59	
210	81.34	85.46	
215	73.17	76.88	
220	64.66	67.96	
225	55.94	58.81	
230	47.11	49.55	
235	38.30	40.32	
240	29.62	31.25	
245	21.20	22.46	
250	13.13	14.11	
255	5.53	6.52	
260	1.54	3.38	
265	7.99	8.90	
270	13.77	14.76	
275	18.83	19.99	
280	23.13	24.46	
285	26.64	28.13	
290	29.36	30.97	
295	31.25	32.95	
300	32.33	34.07	
305	32.58	34.33	
310	32.00	33.73	
315	30.59	32.26	
320	28.37	29.93	
325	25.33	26.76	
330	21.50	22.77	
335	16.89	17.98	
340	11.54	12.48	
345	5.49	6.48	
350	1.22	3.23	
355	8.51	9.42	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission