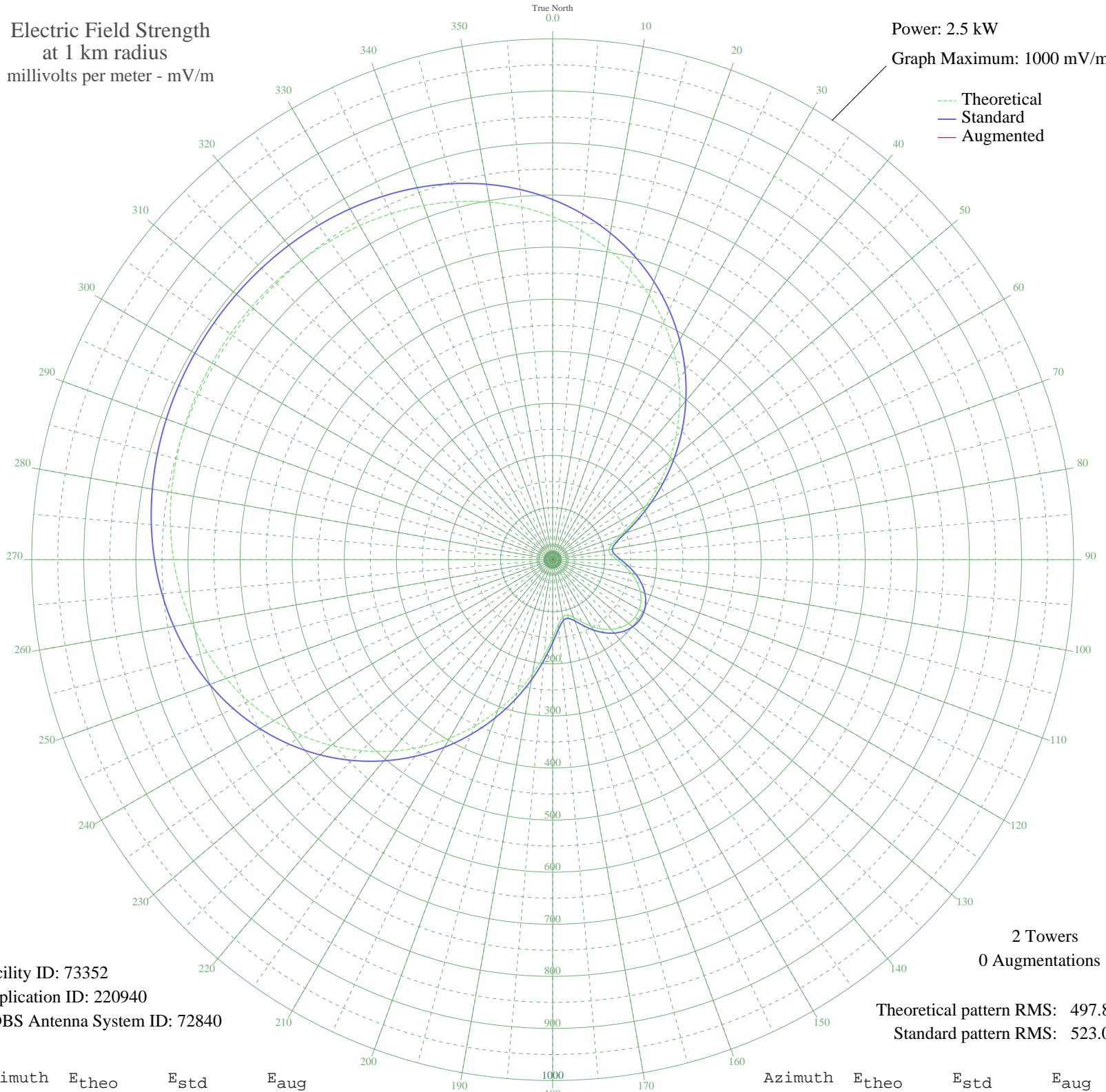


WXCT SOUTHTON, CT BL-19960228AF 990 kHz

Daytime

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

Power: 2.5 kW
Graph Maximum: 1000 mV/m



Facility ID: 73352
Application ID: 220940
CDBS Antenna System ID: 72840

2 Towers
0 Augmentations

Theoretical pattern RMS: 497.83
Standard pattern RMS: 523.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	658.29	691.41	
5	634.01	665.91	
10	606.29	636.83	
15	575.20	604.18	
20	540.87	568.15	
25	503.57	529.01	
30	463.70	487.17	
35	421.75	443.15	
40	378.35	397.61	
45	334.21	351.31	
50	290.18	305.14	
55	247.27	260.16	
60	206.71	217.68	
65	170.14	179.41	
70	139.81	147.74	
75	118.74	125.78	
80	109.64	116.32	
85	112.44	119.22	
90	123.47	130.70	
95	138.24	146.10	
100	153.53	162.05	
105	167.38	176.53	
110	178.72	188.39	
115	186.93	196.98	
120	191.67	201.94	
125	192.77	203.09	
130	190.21	200.40	
135	184.05	193.97	
140	174.54	184.01	
145	162.09	171.01	
150	147.50	155.76	
155	132.12	139.72	
160	118.37	125.39	
165	110.07	116.76	
170	111.76	118.52	
175	125.85	133.19	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	151.01	159.43	
185	184.16	194.08	
190	222.56	234.27	
195	264.23	277.93	
200	307.72	323.53	
205	351.90	369.87	
210	395.84	415.96	
215	438.74	460.98	
220	479.93	504.20	
225	518.82	545.02	
230	554.97	582.96	
235	588.03	617.66	
240	617.79	648.89	
245	644.13	676.54	
250	667.06	700.61	
255	686.67	721.19	
260	703.14	738.48	
265	716.71	752.73	
270	727.67	764.23	
275	736.33	773.32	
280	742.99	780.32	
285	747.96	785.53	
290	751.49	789.24	
295	753.81	791.67	
300	755.06	792.98	
305	755.34	793.28	
310	754.68	792.58	
315	753.01	790.84	
320	750.24	787.92	
325	746.16	783.64	
330	740.55	777.75	
335	733.12	769.96	
340	723.58	759.94	
345	711.61	747.38	
350	696.91	731.94	
355	679.21	713.36	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission