

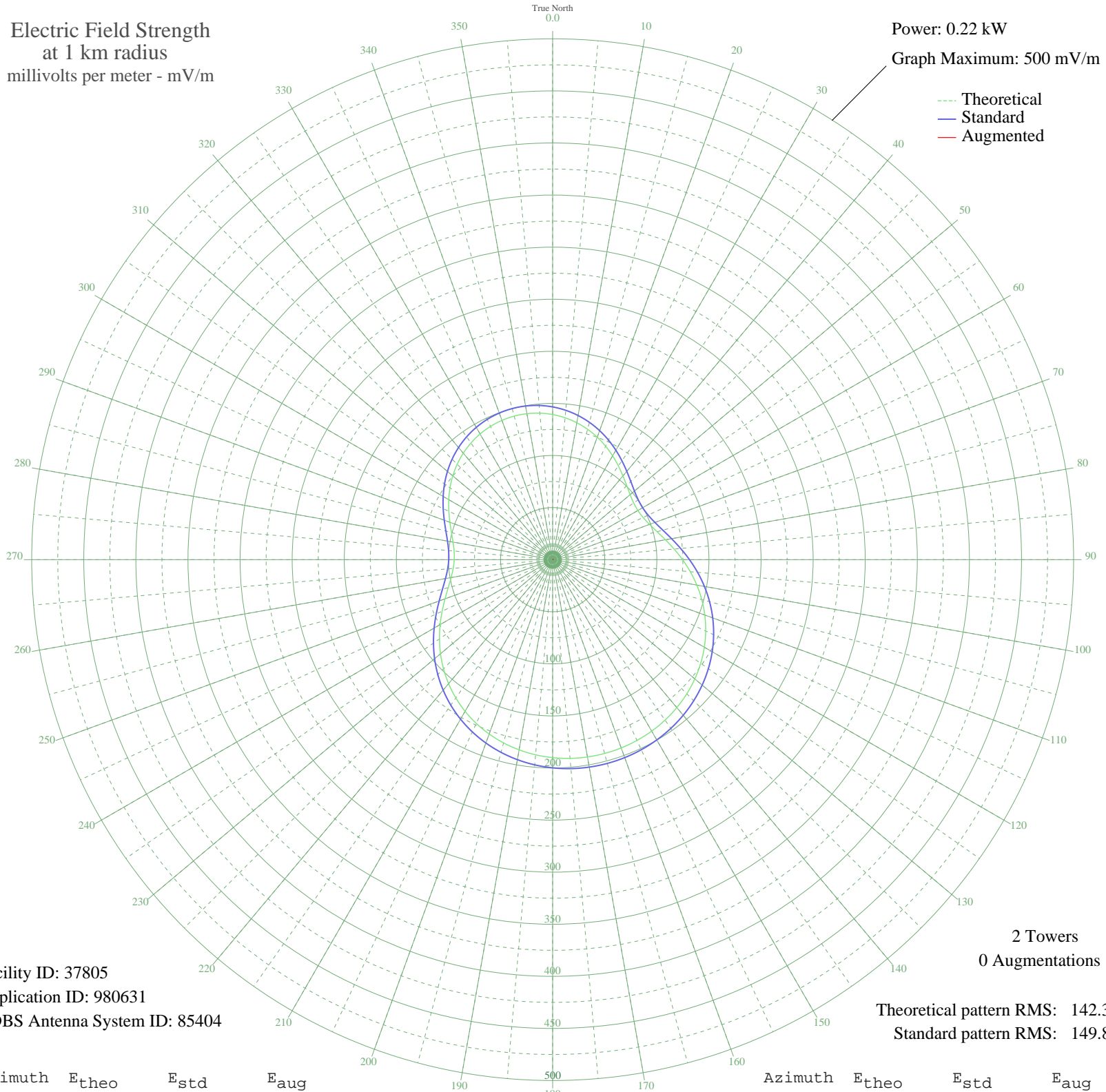
WLIE ISLIP, NY BL-20040212ABX 540 kHz

Nighttime

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

Power: 0.22 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 37805  
Application ID: 980631  
CDBS Antenna System ID: 85404

2 Towers  
0 Augmentations

Theoretical pattern RMS: 142.30  
Standard pattern RMS: 149.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	139.29	146.64	
5	136.71	143.93	
10	133.45	140.52	
15	129.56	136.44	
20	125.12	131.80	
25	120.25	126.70	
30	115.11	121.32	
35	109.92	115.89	
40	104.95	110.70	
45	100.54	106.09	
50	97.08	102.47	
55	94.95	100.25	
60	94.46	99.74	
65	95.80	101.14	
70	98.97	104.45	
75	103.78	109.47	
80	109.91	115.88	
85	117.00	123.30	
90	124.68	131.33	
95	132.60	139.63	
100	140.50	147.90	
105	148.15	155.91	
110	155.37	163.48	
115	162.04	170.47	
120	168.09	176.80	
125	173.45	182.43	
130	178.12	187.32	
135	182.10	191.49	
140	185.40	194.95	
145	188.04	197.72	
150	190.06	199.84	
155	191.48	201.33	
160	192.32	202.21	
165	192.60	202.50	
170	192.32	202.21	
175	191.48	201.33	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	190.06	199.84	
185	188.04	197.72	
190	185.40	194.95	
195	182.10	191.49	
200	178.12	187.32	
205	173.45	182.43	
210	168.09	176.80	
215	162.04	170.47	
220	155.37	163.48	
225	148.15	155.91	
230	140.50	147.90	
235	132.60	139.63	
240	124.68	131.33	
245	117.00	123.30	
250	109.91	115.88	
255	103.78	109.47	
260	98.97	104.45	
265	95.80	101.14	
270	94.46	99.74	
275	94.95	100.25	
280	97.08	102.47	
285	100.54	106.09	
290	104.95	110.70	
295	109.92	115.89	
300	115.11	121.32	
305	120.25	126.70	
310	125.12	131.80	
315	129.56	136.44	
320	133.45	140.52	
325	136.71	143.93	
330	139.29	146.64	
335	141.16	148.59	
340	142.28	149.77	
345	142.66	150.16	
350	142.28	149.77	
355	141.16	148.59	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission