WLIE ISLIP, NY BL-20100216AES 540 kHz

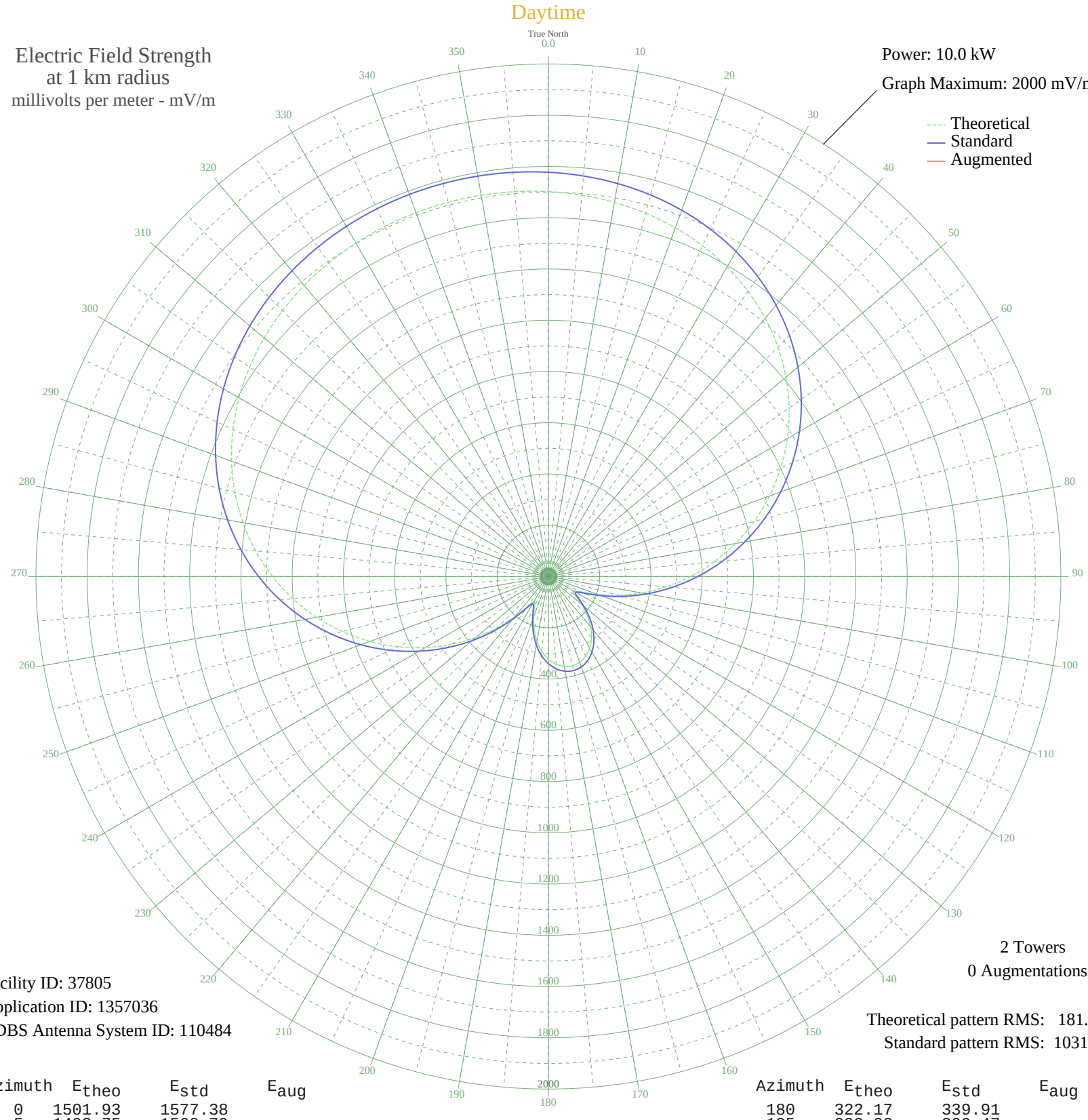
Daytime

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

Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



2 Towers
0 Augmentations

Facility ID: 37805
Application ID: 1357036
CDBS Antenna System ID: 110484

Theoretical pattern RMS: 181.70
Standard pattern RMS: 1031.31

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1501.93	1577.38	
5	1493.75	1568.79	
10	1482.43	1556.91	
15	1467.43	1541.16	
20	1448.13	1520.90	
25	1423.91	1495.48	
30	1394.16	1464.25	
35	1358.31	1426.62	
40	1315.91	1382.10	
45	1266.61	1330.35	
50	1210.25	1271.20	
55	1146.88	1204.68	
60	1076.72	1131.05	
65	1000.26	1050.80	
70	918.17	964.65	
75	831.35	873.55	
80	740.89	778.64	
85	648.03	681.24	
90	554.18	582.84	
95	460.89	485.07	
100	369.94	389.85	
105	283.58	299.60	
110	205.35	218.16	
115	142.74	153.51	
120	112.61	122.82	
125	127.80	138.24	
130	168.41	179.92	
135	214.00	227.14	
140	256.54	271.41	
145	293.03	309.47	
150	322.17	339.91	
155	343.31	362.00	
160	356.10	375.37	
165	360.38	379.85	
170	356.10	375.37	
175	343.31	362.00	

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.

2 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	322.17	339.91	
185	293.03	309.47	
190	256.54	271.41	
195	214.00	227.14	
200	168.41	179.92	
205	127.80	138.24	
210	112.61	122.82	
215	142.74	153.51	
220	205.35	218.16	
225	283.58	299.60	
230	369.94	389.85	
235	460.89	485.07	
240	554.18	582.84	
245	648.03	681.24	
250	740.89	778.64	
255	831.35	873.55	
260	918.17	964.65	
265	1000.26	1050.80	
270	1076.72	1131.05	
275	1146.88	1204.68	
280	1210.25	1271.20	
285	1266.61	1330.35	
290	1315.91	1382.10	
295	1358.31	1426.62	
300	1394.16	1464.25	
305	1423.91	1495.48	
310	1448.13	1520.90	
315	1467.43	1541.16	
320	1482.43	1556.91	
325	1493.75	1568.79	
330	1501.93	1577.38	
335	1507.43	1583.15	
340	1510.58	1586.46	
345	1511.61	1587.54	
350	1510.58	1586.46	
355	1507.43	1583.15	