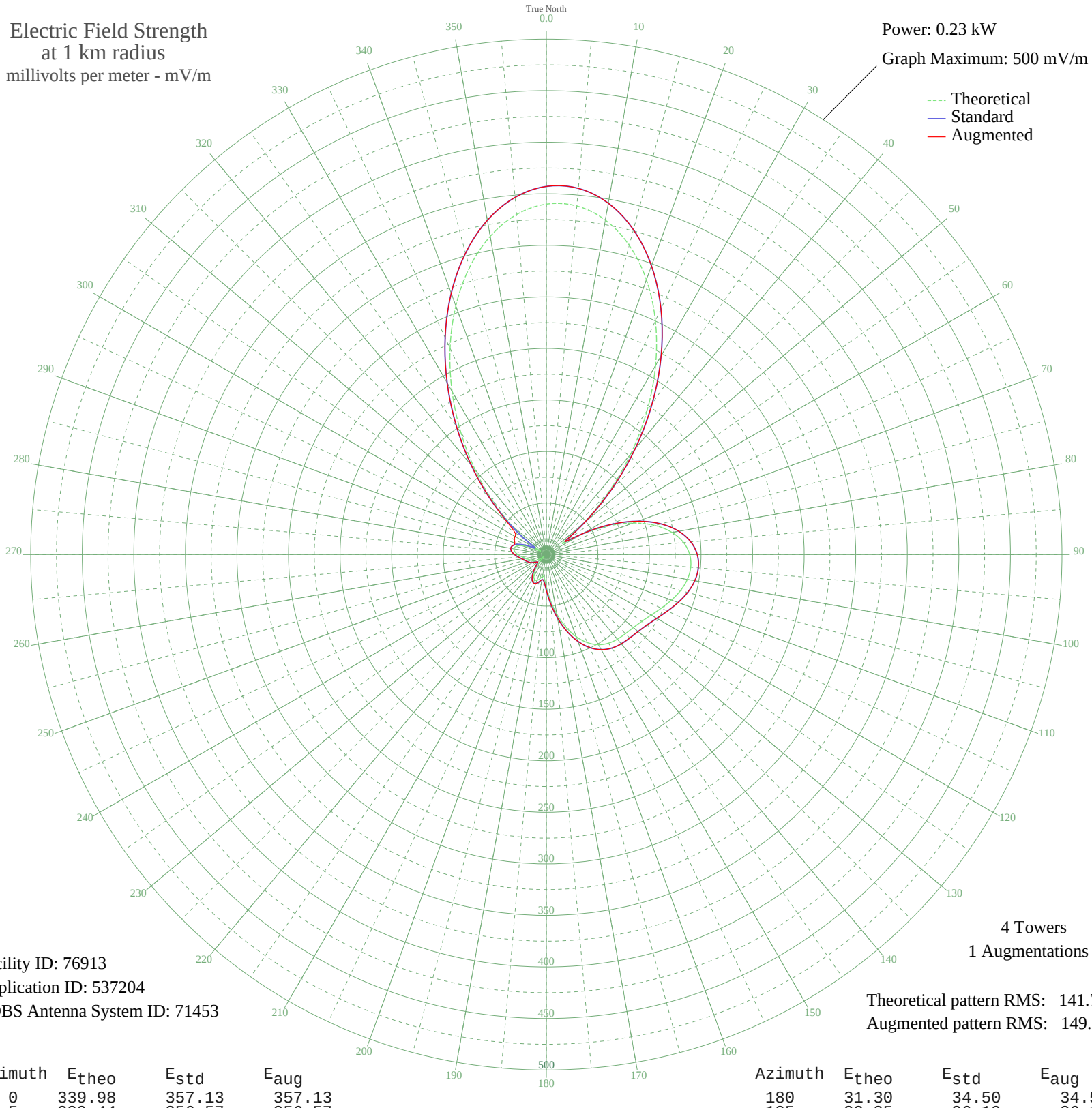
WRNJ HACKETTSTOWN, NJ BL-20001030ACC 1510 kHz

Nighttime



Facility ID: 76913
Application ID: 537204
CDBS Antenna System ID: 71453

4 Towers
1 Augmentations

Theoretical pattern RMS: 141.73
Augmented pattern RMS: 149.34

Azimuth	E_{theo}	E_{std}	E_{aug}
0	339.98	357.13	357.13
5	339.44	356.57	356.57
10	329.47	346.11	346.11
15	310.56	326.26	326.26
20	283.69	298.06	298.06
25	250.23	262.95	262.95
30	211.79	222.63	222.63
35	170.16	178.97	178.97
40	127.16	133.93	133.93
45	84.67	89.52	89.52
50	45.03	48.44	48.44
55	18.52	22.10	22.10
60	37.10	40.35	40.35
65	65.06	69.11	69.11
70	89.47	94.53	94.53
75	109.10	115.03	115.03
80	123.75	130.36	130.36
85	133.60	140.68	140.68
90	139.02	146.35	146.35
95	140.54	147.95	147.95
100	138.84	146.16	146.16
105	134.71	141.83	141.83
110	129.08	135.94	135.94
115	122.97	129.55	129.55
120	117.36	123.67	123.67
125	112.99	119.10	119.10
130	110.15	116.13	116.13
135	108.49	114.40	114.40
140	107.14	112.99	112.99
145	104.97	110.72	110.72
150	100.93	106.49	106.49
155	94.27	99.54	99.54
160	84.74	89.59	89.59
165	72.60	76.95	76.95
170	58.66	62.48	62.48
175	44.23	47.61	47.61

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	31.30	34.50	34.50
185	22.85	26.19	26.19
190	21.39	24.79	24.79
195	24.17	27.46	27.46
200	26.65	29.89	29.89
205	26.82	30.05	30.05
210	24.30	27.59	27.59
215	19.53	23.04	23.04
220	13.32	17.49	17.49
225	6.77	12.68	12.68
230	2.97	10.95	10.95
235	6.81	12.70	12.70
240	10.85	15.50	15.50
245	13.76	17.86	17.86
250	15.84	19.67	19.67
255	17.86	21.49	21.49
260	20.51	23.96	23.96
265	23.92	27.23	27.23
270	27.58	30.81	30.81
275	30.57	33.78	33.78
280	31.88	35.09	35.09
285	30.52	33.73	33.73
290	25.63	28.89	32.49
295	16.65	20.40	34.21
300	6.29	12.40	34.97
305	19.57	23.08	37.20
310	43.93	47.31	50.56
315	73.59	77.98	78.00
320	107.49	113.35	113.35
325	144.41	152.00	152.00
330	182.81	192.24	192.24
335	220.88	232.16	232.16
340	256.65	269.68	269.68
345	288.12	302.71	302.71
350	313.46	329.30	329.30
355	331.12	347.83	347.83