

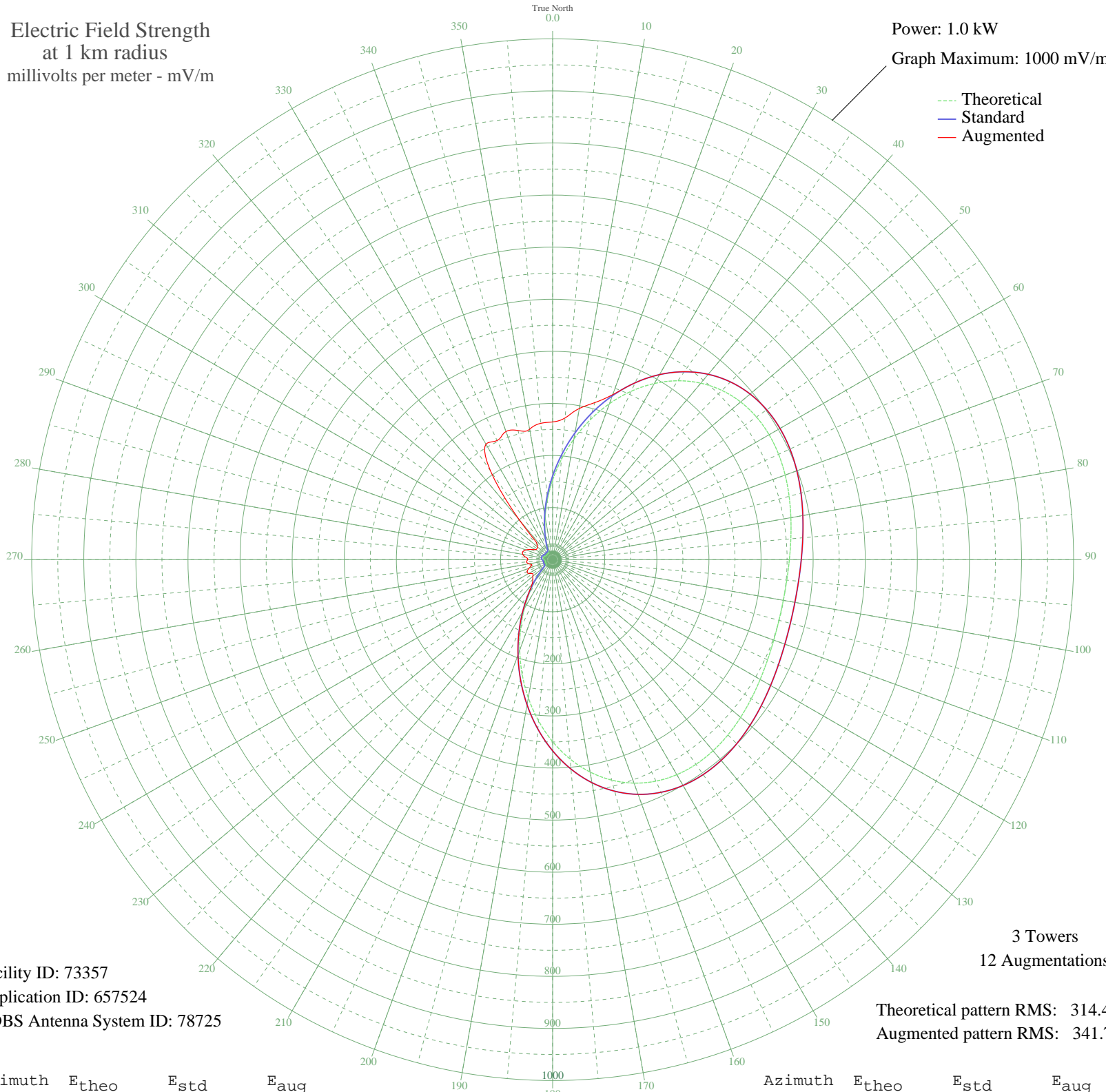
WNYC NEW YORK, NY BML-20030411ACV 820 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 73357
Application ID: 657524
CDBS Antenna System ID: 78725

3 Towers
12 Augmentations

Theoretical pattern RMS: 314.40
Augmented pattern RMS: 341.72

Azimuth	E _{theo}	E _{std}	E _{aug}
0	152.78	160.76	264.41
5	193.12	203.04	273.10
10	235.28	247.27	294.71
15	277.67	291.74	312.13
20	318.66	334.75	337.09
25	356.72	374.70	374.70
30	390.58	410.25	410.25
35	419.31	440.40	440.40
40	442.34	464.57	464.57
45	459.53	482.62	482.62
50	471.09	494.76	494.76
55	477.58	501.57	501.57
60	479.77	503.87	503.87
65	478.57	502.61	502.61
70	474.96	498.82	498.82
75	469.91	493.52	493.52
80	464.30	487.63	487.63
85	458.91	481.97	481.97
90	454.37	477.20	477.20
95	451.14	473.81	473.81
100	449.54	472.14	472.14
105	449.72	472.33	472.33
110	451.66	474.36	474.36
115	455.18	478.06	478.06
120	459.94	483.05	483.05
125	465.43	488.82	488.82
130	470.99	494.65	494.65
135	475.83	499.73	499.73
140	479.03	503.10	503.10
145	479.63	503.73	503.73
150	476.66	500.60	500.60
155	469.21	492.78	492.78
160	456.55	479.49	479.49
165	438.20	460.23	460.23
170	414.01	434.83	434.83
175	384.20	403.54	403.54

Azimuth	E _{theo}	E _{std}	E _{aug}
180	349.40	367.03	367.03
185	310.65	326.35	326.35
190	269.25	282.91	282.91
195	226.78	238.35	238.35
200	184.85	194.38	194.38
205	145.07	152.68	152.68
210	108.83	114.76	114.76
215	77.30	81.84	82.07
220	51.34	54.92	61.42
225	31.62	34.82	53.85
230	18.97	22.52	49.80
235	14.13	18.17	46.95
240	14.24	18.27	52.97
245	14.86	18.80	54.04
250	14.63	18.61	48.37
255	14.04	18.10	41.43
260	13.96	18.03	46.17
265	14.82	18.77	50.26
270	16.29	20.07	47.80
275	17.69	21.34	51.45
280	18.48	22.06	58.31
285	18.39	21.98	59.27
290	17.45	21.12	54.60
295	15.98	19.80	46.29
300	14.58	18.56	38.59
305	13.90	17.98	36.97
310	14.14	18.19	38.17
315	14.73	18.70	42.80
320	14.80	18.75	99.01
325	14.08	18.13	208.15
330	14.53	18.52	256.08
335	20.88	24.31	252.33
340	35.03	38.25	261.86
345	56.05	59.78	256.74
350	83.19	87.98	254.33
355	115.74	121.98	262.76

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