

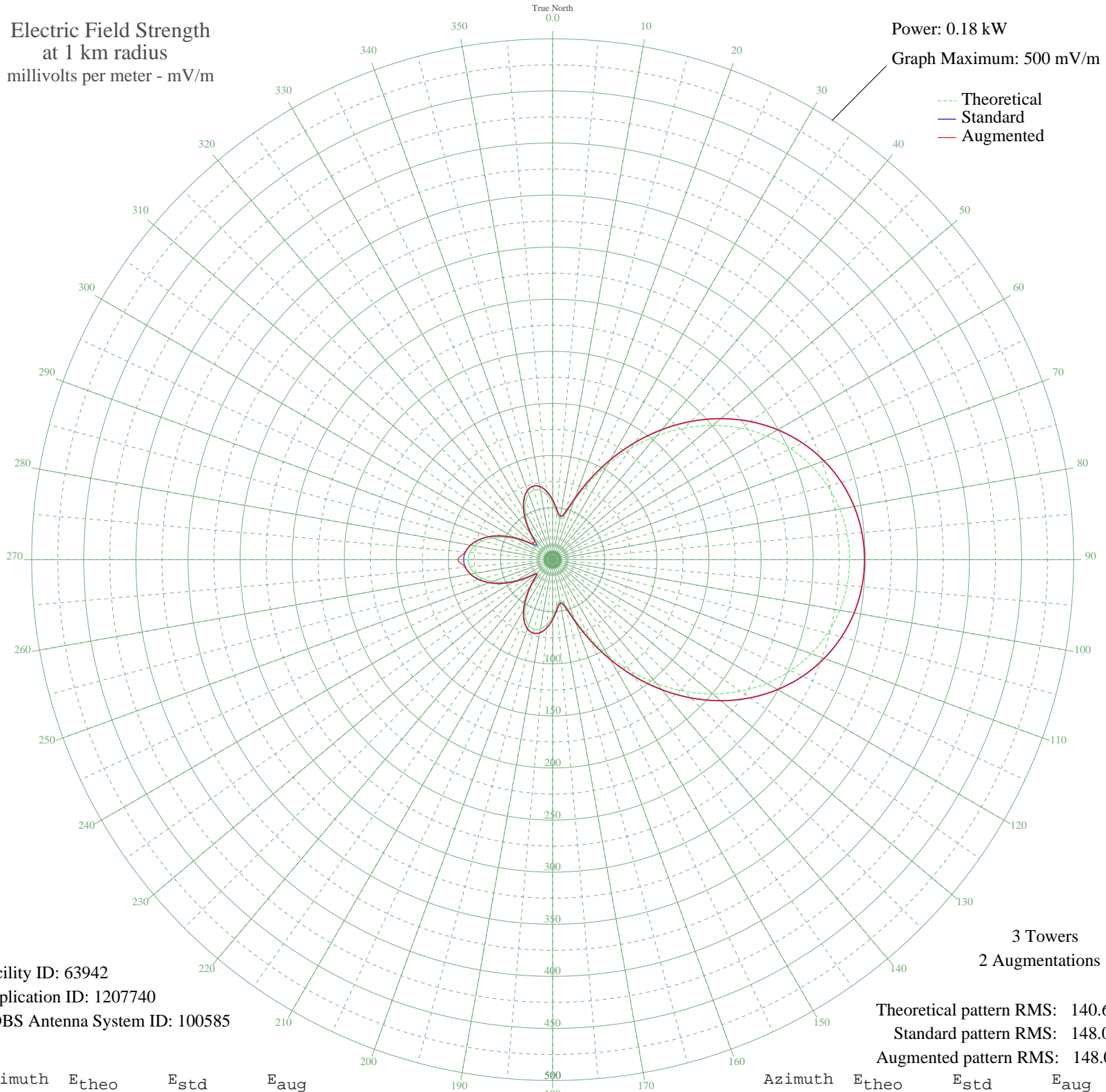
WGNY NEWBURGH, NY BL-20070918ACU 1220 kHz

Nighttime

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

Power: 0.18 kW
Graph Maximum: 500 mV/m

--- Theoretical
--- Standard
--- Augmented



Facility ID: 63942
Application ID: 1207740
CDBS Antenna System ID: 100585

3 Towers
2 Augmentations

Theoretical pattern RMS: 140.60
Standard pattern RMS: 148.00
Augmented pattern RMS: 148.05

Azimuth	E _{theo}	E _{std}	E _{aug}
0	54.24	57.33	57.33
5	45.21	47.93	47.93
10	39.87	42.38	42.38
15	44.52	47.21	47.21
20	59.73	63.06	63.06
25	81.07	85.38	85.38
30	105.22	110.68	110.68
35	130.27	136.94	136.94
40	155.01	162.90	162.90
45	178.62	187.67	187.67
50	200.48	210.61	210.61
55	220.17	231.28	231.28
60	237.41	249.37	249.37
65	252.04	264.72	264.72
70	263.97	277.25	277.25
75	273.21	286.95	286.95
80	279.78	293.84	293.84
85	283.70	297.96	297.96
90	285.00	299.33	299.33
95	283.70	297.96	297.96
100	279.78	293.84	293.84
105	273.21	286.95	286.95
110	263.97	277.25	277.25
115	252.04	264.72	264.72
120	237.41	249.37	249.37
125	220.17	231.28	231.28
130	200.48	210.61	210.61
135	178.62	187.67	187.67
140	155.01	162.90	162.90
145	130.27	136.94	136.94
150	105.22	110.68	110.68
155	81.07	85.38	85.38
160	59.73	63.06	63.06
165	44.52	47.21	47.21
170	39.87	42.38	42.38
175	45.21	47.93	47.93

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	54.24	57.33	57.33
185	62.36	65.81	65.81
190	67.59	71.28	71.28
195	69.19	72.95	72.95
200	67.04	70.70	70.70
205	61.39	64.79	64.79
210	52.78	55.81	55.81
215	42.02	44.61	44.61
220	30.39	32.59	32.59
225	20.68	22.69	22.69
230	19.26	21.27	21.27
235	27.65	29.77	29.77
240	39.30	41.79	41.79
245	50.90	53.85	53.85
250	61.24	64.64	64.64
255	69.72	73.50	73.50
260	75.99	80.06	80.06
265	79.83	84.08	84.08
270	81.12	85.43	91.00
275	79.83	84.08	84.08
280	75.99	80.06	80.06
285	69.72	73.50	73.50
290	61.24	64.64	64.64
295	50.90	53.85	53.85
300	39.30	41.79	41.79
305	27.65	29.77	29.77
310	19.26	21.27	24.27
315	20.68	22.69	24.23
320	30.39	32.59	32.59
325	42.02	44.61	44.61
330	52.78	55.81	55.81
335	61.39	64.79	64.79
340	67.04	70.70	70.70
345	69.19	72.95	72.95
350	67.59	71.28	71.28
355	62.36	65.81	65.81