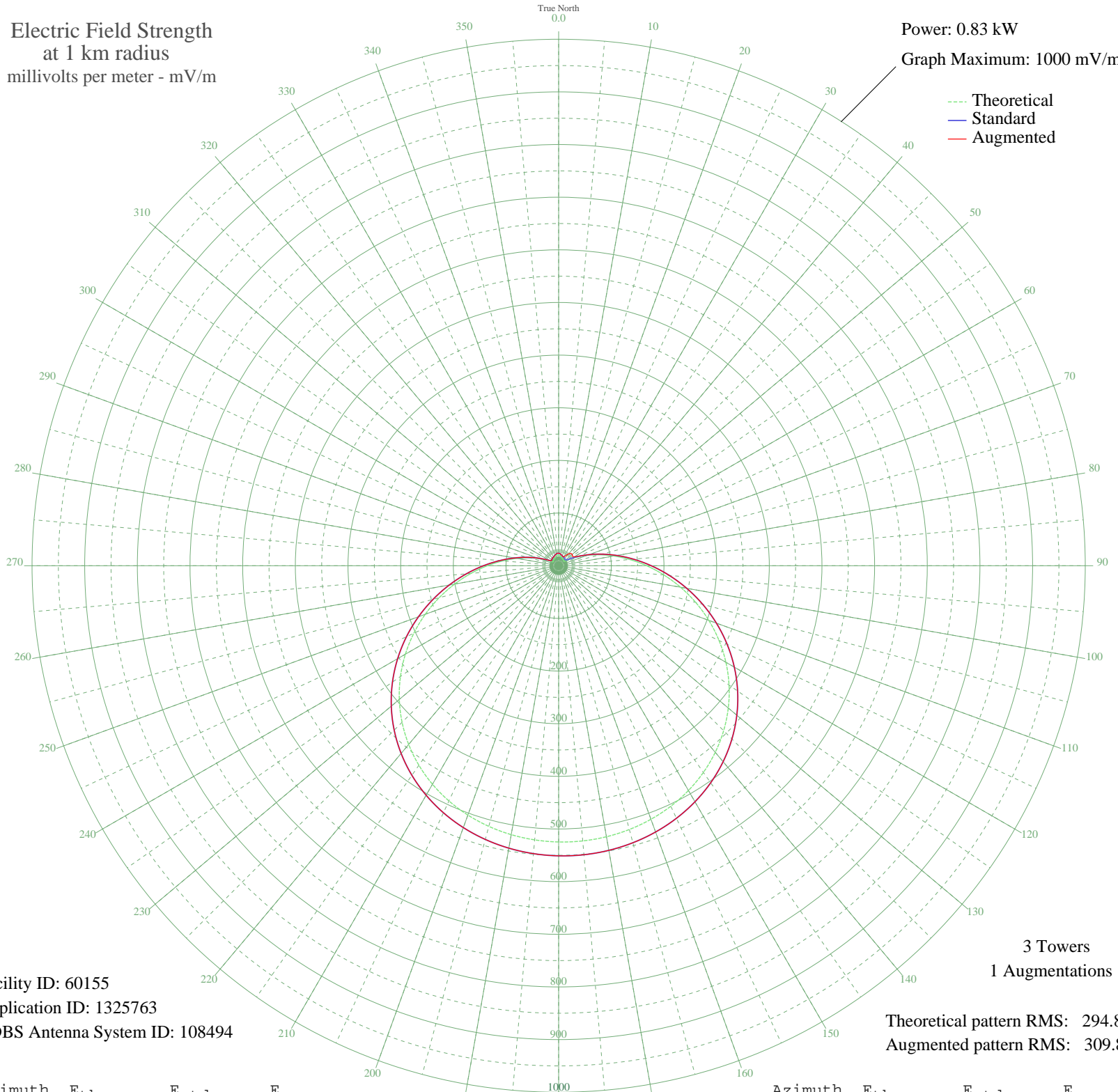


WAOB MILLVALE, PA BML-20090709APC 860 kHz

Nighttime

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

Power: 0.83 kW
Graph Maximum: 1000 mV/m



Facility ID: 60155
Application ID: 1325763
CDBS Antenna System ID: 108494

3 Towers
1 Augmentations

Theoretical pattern RMS: 294.88
Augmented pattern RMS: 309.87

Azimuth	E _{theo}	E _{std}	E _{aug}
0	20.33	23.79	23.79
5	19.71	23.21	23.21
10	18.62	22.19	22.19
15	17.33	21.01	21.01
20	16.17	19.97	19.97
25	15.42	19.30	19.30
30	15.06	18.98	19.29
35	14.77	18.73	23.50
40	14.13	18.18	29.17
45	13.06	17.27	32.86
50	12.74	17.00	33.49
55	16.21	20.00	32.28
60	25.26	28.52	33.72
65	39.33	42.61	43.34
70	57.81	61.60	61.60
75	80.28	84.95	84.95
80	106.36	112.17	112.17
85	135.54	142.70	142.70
90	167.19	175.87	175.87
95	200.61	210.90	210.90
100	234.99	246.96	246.96
105	269.53	283.20	283.20
110	303.45	318.80	318.80
115	336.05	353.01	353.01
120	366.72	385.20	385.20
125	394.99	414.87	414.87
130	420.50	441.65	441.65
135	443.08	465.35	465.35
140	462.64	485.89	485.89
145	479.23	503.30	503.30
150	492.94	517.70	517.70
155	503.96	529.27	529.27
160	512.47	538.20	538.20
165	518.66	544.70	544.70
170	522.69	548.92	548.92
175	524.67	551.00	551.00

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	524.67	551.00	551.00
185	522.69	548.92	548.92
190	518.66	544.70	544.70
195	512.47	538.20	538.20
200	503.96	529.27	529.27
205	492.94	517.70	517.70
210	479.23	503.30	503.30
215	462.64	485.89	485.89
220	443.08	465.35	465.35
225	420.50	441.65	441.65
230	394.99	414.87	414.87
235	366.72	385.20	385.20
240	336.05	353.01	353.01
245	303.46	318.80	318.80
250	269.53	283.20	283.20
255	234.99	246.96	246.96
260	200.61	210.90	210.90
265	167.19	175.87	175.87
270	135.54	142.70	142.70
275	106.36	112.17	112.17
280	80.28	84.95	84.95
285	57.81	61.60	61.60
290	39.33	42.61	42.61
295	25.26	28.52	28.52
300	16.21	20.00	20.00
305	12.74	17.00	17.00
310	13.06	17.27	17.27
315	14.13	18.18	18.18
320	14.77	18.73	18.73
325	15.06	18.98	18.98
330	15.42	19.30	19.30
335	16.17	19.97	19.97
340	17.33	21.01	21.01
345	18.62	22.19	22.19
350	19.71	23.21	23.21
355	20.33	23.79	23.79