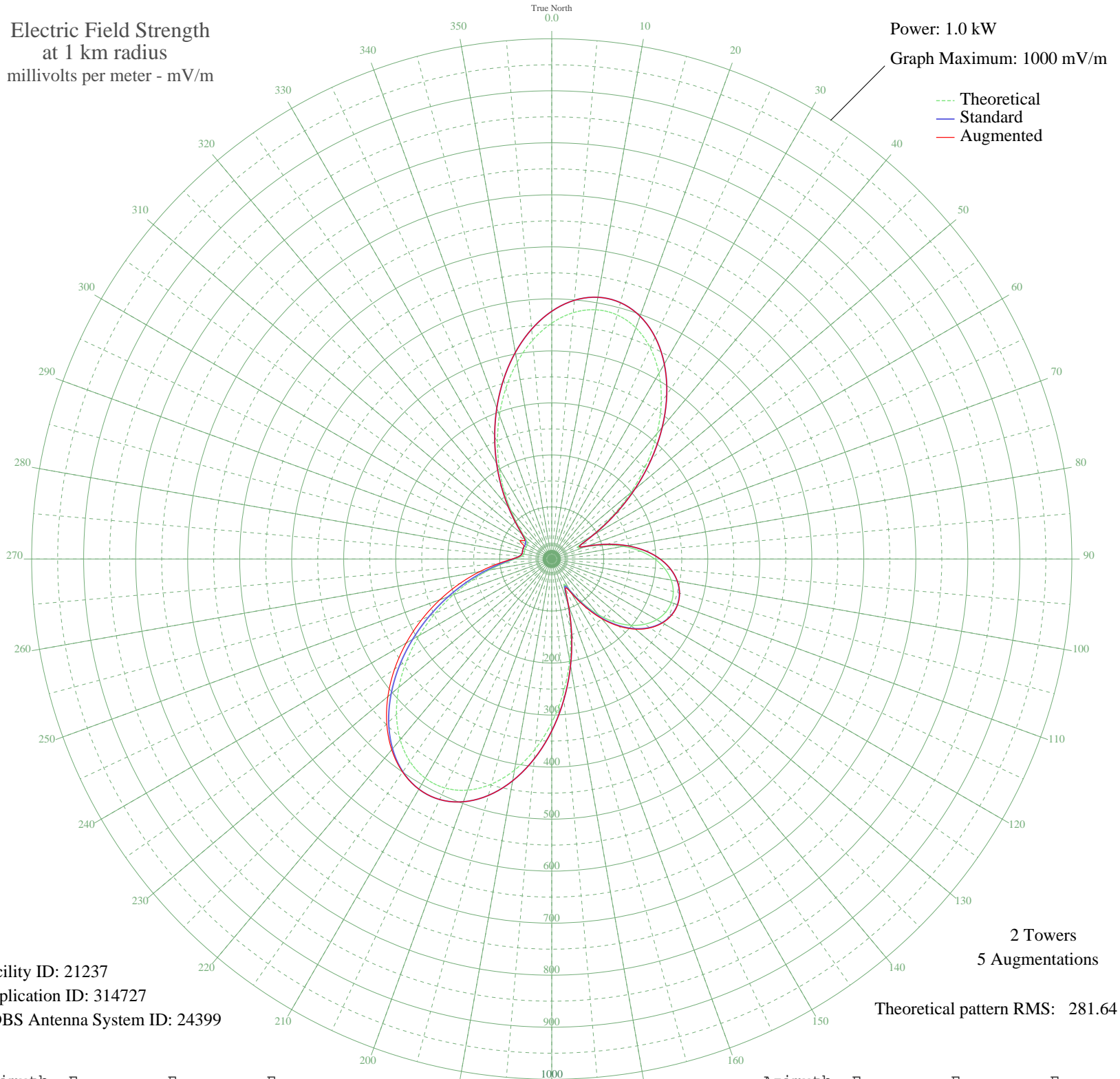


# WMBS UNIONTOWN, PA BL-- 590 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 21237  
Application ID: 314727  
CDBS Antenna System ID: 24399

2 Towers  
5 Augmentations  
Theoretical pattern RMS: 281.64

Azimuth	Etheo	Estd	Eaug
0	453.37	476.15	476.15
5	475.31	499.18	499.18
10	486.44	510.87	510.87
15	485.74	510.14	510.14
20	472.82	496.57	496.57
25	447.97	470.48	470.48
30	412.17	432.91	432.91
35	367.03	385.52	385.52
40	314.60	330.49	330.49
45	257.31	270.38	270.38
50	197.89	208.05	208.05
55	139.49	146.84	146.84
60	87.14	92.10	92.10
65	55.33	59.04	59.04
70	68.06	72.23	72.23
75	103.37	109.04	109.04
80	139.63	146.98	146.98
85	171.65	180.54	180.54
90	198.09	208.26	208.37
95	218.60	229.77	229.97
100	233.15	245.04	245.31
105	241.83	254.14	254.46
110	244.71	257.16	257.50
115	241.83	254.14	254.56
120	233.15	245.04	245.71
125	218.60	229.77	230.83
130	198.09	208.26	209.80
135	171.65	180.54	182.62
140	139.63	146.98	149.67
145	103.37	109.04	112.40
150	68.06	72.23	76.26
155	55.33	59.04	62.32
160	87.14	92.10	93.18
165	139.49	146.84	147.02
170	197.89	208.05	208.05
175	257.31	270.38	270.38

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	314.60	330.49	330.49
185	367.03	385.52	385.52
190	412.17	432.91	432.91
195	447.97	470.48	470.48
200	472.82	496.57	496.57
205	485.74	510.14	510.14
210	486.44	510.87	510.89
215	475.31	499.18	499.95
220	453.37	476.15	478.67
225	422.20	443.43	448.54
230	383.76	403.09	411.31
235	340.26	357.42	368.90
240	293.95	308.83	323.20
245	247.05	259.62	275.97
250	201.62	211.96	228.84
255	159.51	167.82	183.31
260	122.48	129.03	141.00
265	92.24	97.42	104.04
270	70.54	74.80	76.10
275	58.43	62.24	62.24
280	54.42	58.10	58.10
285	54.42	58.10	58.10
290	54.84	58.53	58.53
295	54.42	58.10	58.83
300	54.42	58.10	70.43
305	58.43	62.24	62.92
310	70.54	74.80	74.80
315	92.24	97.42	97.42
320	122.48	129.03	129.03
325	159.51	167.82	167.82
330	201.62	211.96	211.96
335	247.05	259.62	259.62
340	293.95	308.83	308.83
345	340.26	357.42	357.42
350	383.76	403.09	403.09
355	422.20	443.43	443.43