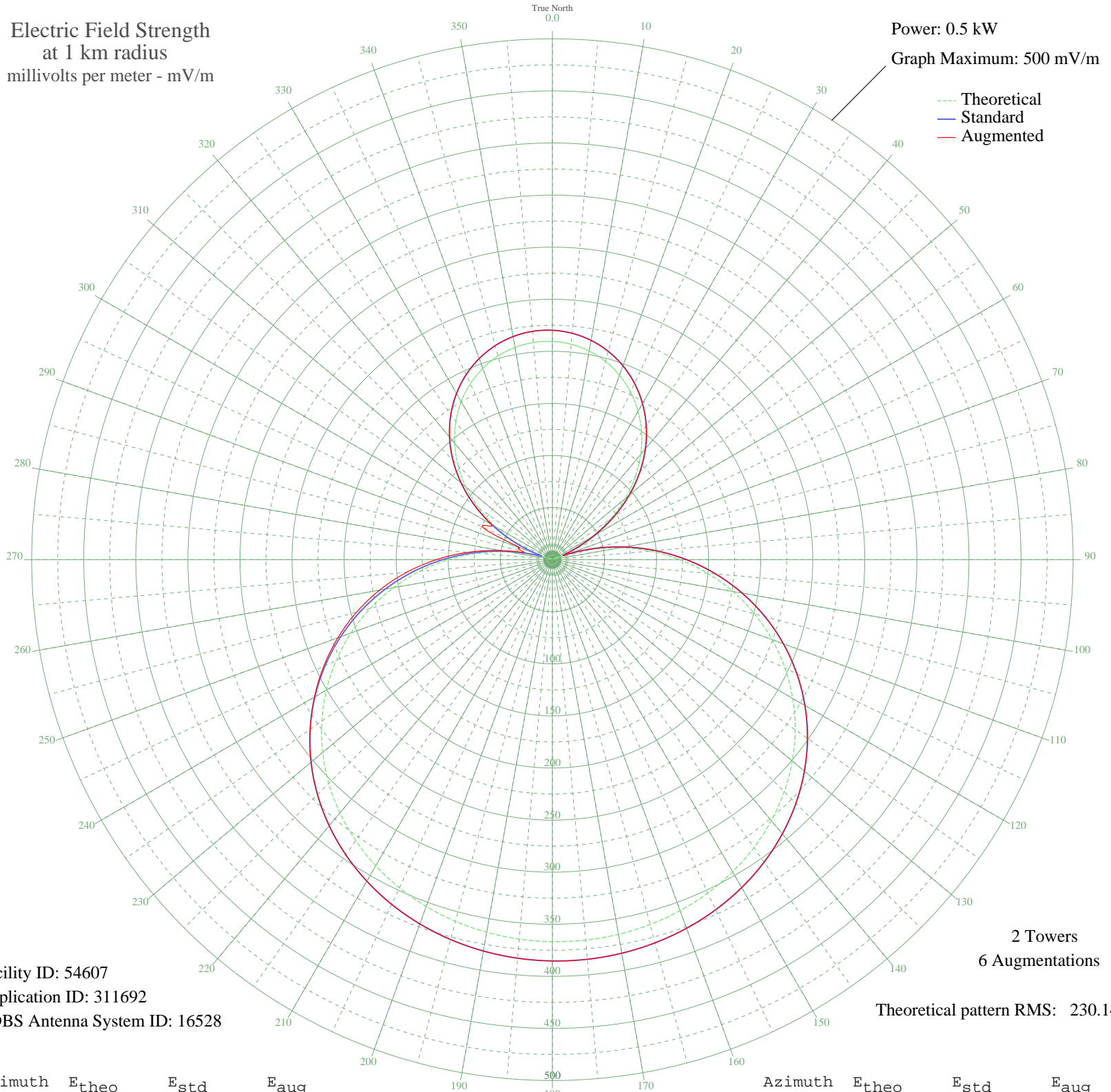


# WHVR HANOVER, PA BL-- 1280 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 54607  
Application ID: 311692  
CDBS Antenna System ID: 16528

2 Towers  
6 Augmentations  
Theoretical pattern RMS: 230.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	209.50	220.22	220.22
5	207.52	218.15	218.15
10	203.34	213.77	213.77
15	196.96	207.07	207.07
20	188.36	198.06	198.06
25	177.54	186.71	186.71
30	164.50	173.05	173.05
35	149.28	157.09	157.09
40	131.91	138.91	138.91
45	112.49	118.58	118.58
50	91.13	96.26	96.26
55	67.98	72.15	72.15
60	43.26	46.62	46.83
65	17.20	20.89	22.60
70	9.91	14.78	14.78
75	37.76	41.02	41.02
80	66.01	70.10	70.10
85	94.29	99.56	99.56
90	122.27	128.81	128.81
95	149.59	157.42	157.42
100	175.93	185.03	185.03
105	201.01	211.32	211.32
110	224.58	236.04	236.04
115	246.45	258.98	258.98
120	266.46	279.98	279.98
125	284.55	298.96	298.96
130	300.66	315.86	315.86
135	314.80	330.71	330.71
140	327.03	343.54	343.54
145	337.41	354.44	354.44
150	346.05	363.50	363.50
155	353.05	370.85	370.85
160	358.52	376.59	376.59
165	362.55	380.83	380.83
170	365.23	383.64	383.64
175	366.62	385.10	385.10

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	366.75	385.23	385.23
185	365.61	384.04	384.04
190	363.19	381.50	381.50
195	359.44	377.56	377.56
200	354.26	372.12	372.12
205	347.58	365.11	365.11
210	339.27	356.39	356.39
215	329.25	345.87	345.87
220	317.40	333.43	333.43
225	303.64	319.00	319.00
230	287.93	302.51	302.51
235	270.24	283.94	283.98
240	250.60	263.34	263.86
245	229.10	240.78	242.27
250	205.85	216.40	219.22
255	181.06	190.40	194.64
260	154.95	163.03	168.46
265	127.80	134.60	140.72
270	99.93	105.45	111.54
275	71.67	75.98	81.22
280	43.39	46.75	50.36
285	15.43	19.31	28.47
290	11.85	16.28	33.16
295	38.15	41.41	74.02
300	63.16	67.14	68.00
305	86.64	91.57	91.57
310	108.37	114.27	114.27
315	128.19	135.01	135.01
320	145.97	153.63	153.63
325	161.63	170.04	170.04
330	175.11	184.16	184.16
335	186.37	195.97	195.97
340	195.42	205.46	205.46
345	202.24	212.62	212.62
350	206.86	217.46	217.46
355	209.28	219.99	219.99