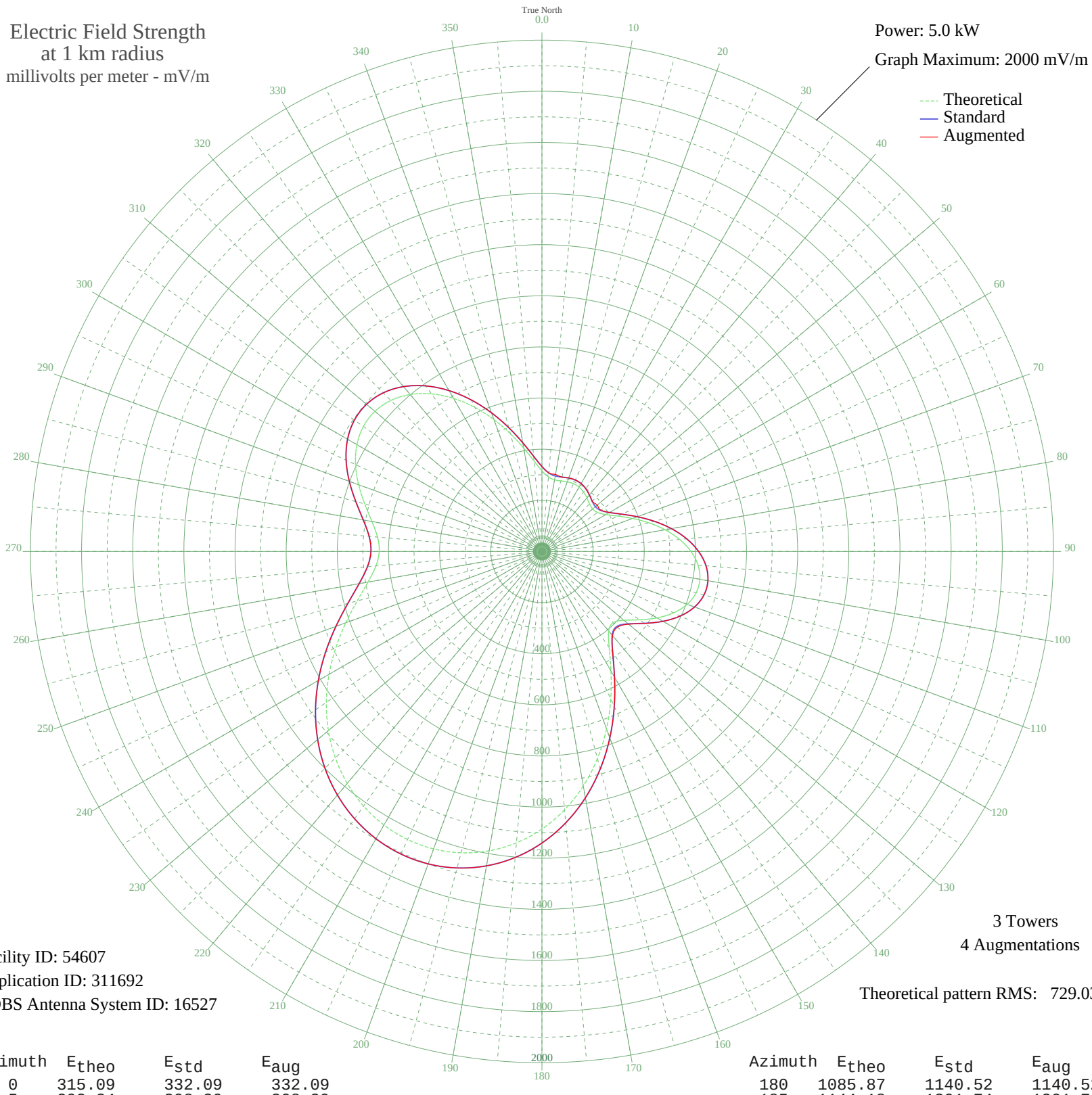
WHVR HANOVER, PA BL-- 1280 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
4 Augmentations

Facility ID: 54607
Application ID: 311692
CDBS Antenna System ID: 16527

Theoretical pattern RMS: 729.03

Azimuth	E_{theo}	E_{std}	E_{aug}
0	315.09	332.09	332.09
5	292.34	308.30	308.30
10	284.38	299.97	305.78
15	285.62	301.27	301.27
20	289.86	305.70	305.70
25	292.36	308.31	308.31
30	290.49	306.36	306.36
35	283.68	299.25	299.32
40	273.41	288.51	288.77
45	263.21	277.86	278.31
50	258.60	273.05	282.17
55	265.78	280.54	280.99
60	288.78	304.57	304.82
65	327.22	344.78	344.84
70	377.05	396.94	396.94
75	432.76	455.30	455.30
80	488.83	514.08	514.08
85	540.28	568.02	568.02
90	582.75	612.56	612.56
95	612.58	643.85	643.85
100	627.00	658.98	658.98
105	624.33	656.17	656.17
110	604.24	635.10	635.10
115	568.14	597.24	597.24
120	519.76	546.51	546.51
125	466.10	490.25	490.31
130	418.71	440.58	442.71
135	393.79	414.48	418.43
140	406.21	427.48	429.67
145	458.38	482.15	482.22
150	539.69	567.40	567.40
155	636.60	669.05	669.05
160	738.58	776.04	776.04
165	838.45	880.84	880.84
170	931.49	978.49	978.49
175	1014.61	1065.72	1065.72

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1085.87	1140.52	1140.52
185	1144.18	1201.74	1201.74
190	1189.04	1248.83	1248.83
195	1220.36	1281.69	1281.69
200	1238.30	1300.53	1300.53
205	1243.21	1305.68	1305.68
210	1235.52	1297.61	1297.61
215	1215.72	1276.83	1276.83
220	1184.38	1243.93	1243.93
225	1142.15	1199.60	1199.60
230	1089.93	1144.79	1144.79
235	1028.96	1080.79	1080.79
240	961.04	1009.50	1009.50
245	888.81	933.69	933.69
250	816.02	857.30	857.30
255	747.81	785.73	785.73
260	690.70	725.80	725.80
265	651.69	684.87	684.87
270	636.22	668.64	668.64
275	645.42	678.30	678.30
280	675.02	709.35	709.35
285	717.07	753.47	753.47
290	762.72	801.37	801.37
295	804.16	844.86	844.86
300	835.37	877.61	877.61
305	852.23	895.30	895.30
310	852.40	895.48	895.48
315	835.13	877.36	877.36
320	801.10	841.65	841.65
325	752.20	790.33	790.33
330	691.32	726.45	726.45
335	622.14	653.87	653.87
340	548.98	577.14	577.14
345	476.63	501.28	501.28
350	410.23	431.70	431.70
355	354.96	373.81	373.81

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission