

EF86TR

FULL OUTPUT WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer	Phase [degree]	Normalized Phase [deg]
1	1.00E+03	2.17E+01	1.00E+00	-178.44°	0.00°
2	2.00E+03	7.17E-02	3.31E-03	-2.47°	175.97°
3	3.00E+03	8.35E-01	3.86E-02	1.65°	180.09°
4	4.00E+03	3.35E-01	1.55E-02	93.10°	271.54°
5	5.00E+03	1.77E-01	8.18E-03	177.84°	356.27°
6	6.00E+03	5.97E-02	2.76E-03	-103.46°	74.98°
7	7.00E+03	1.89E-02	8.75E-04	-52.89°	125.55°
8	8.00E+03	1.14E-02	5.26E-04	-32.50°	145.94°
9	9.00E+03	8.18E-03	3.78E-04	34.27°	212.71°

Total Harmonic Distortion: 4.259039%(4.259325%)

OUTPUT

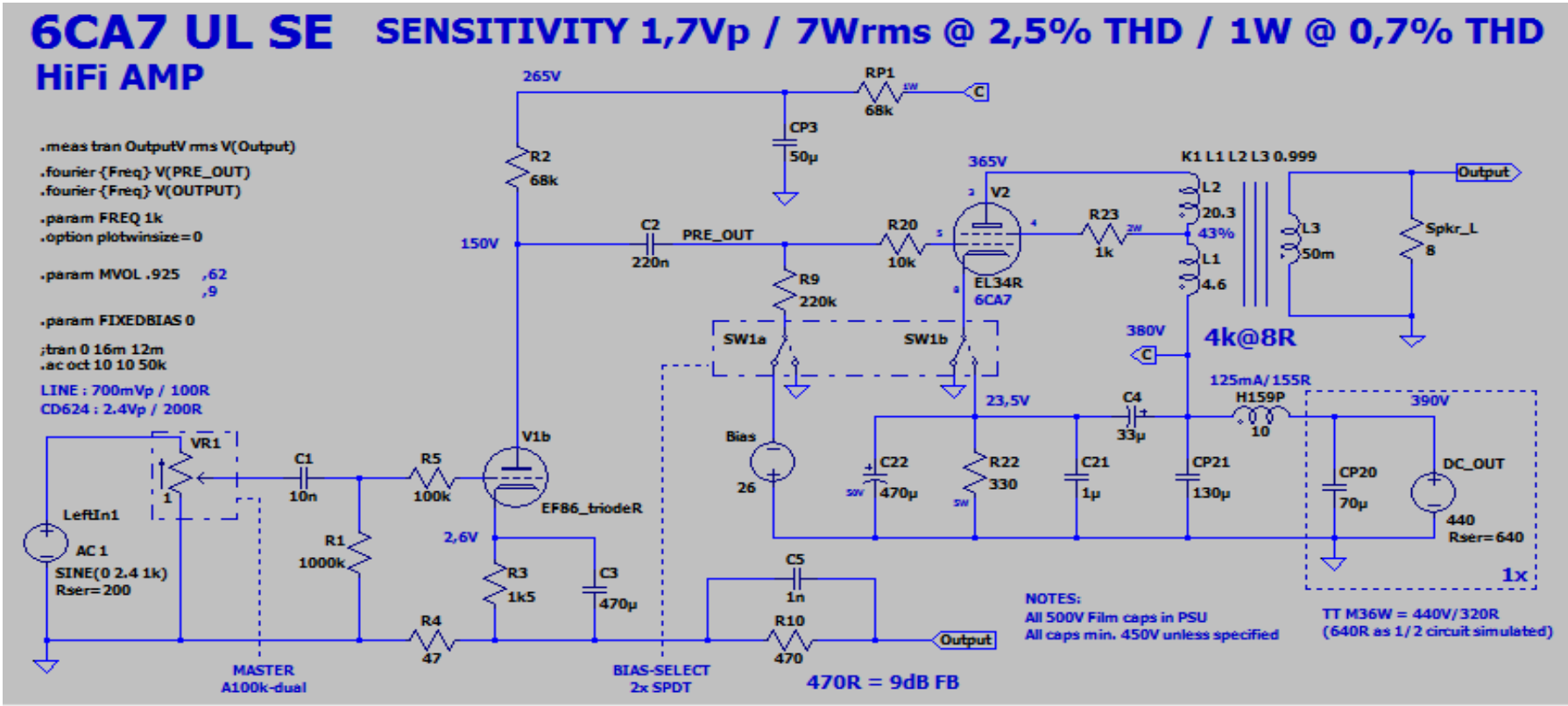
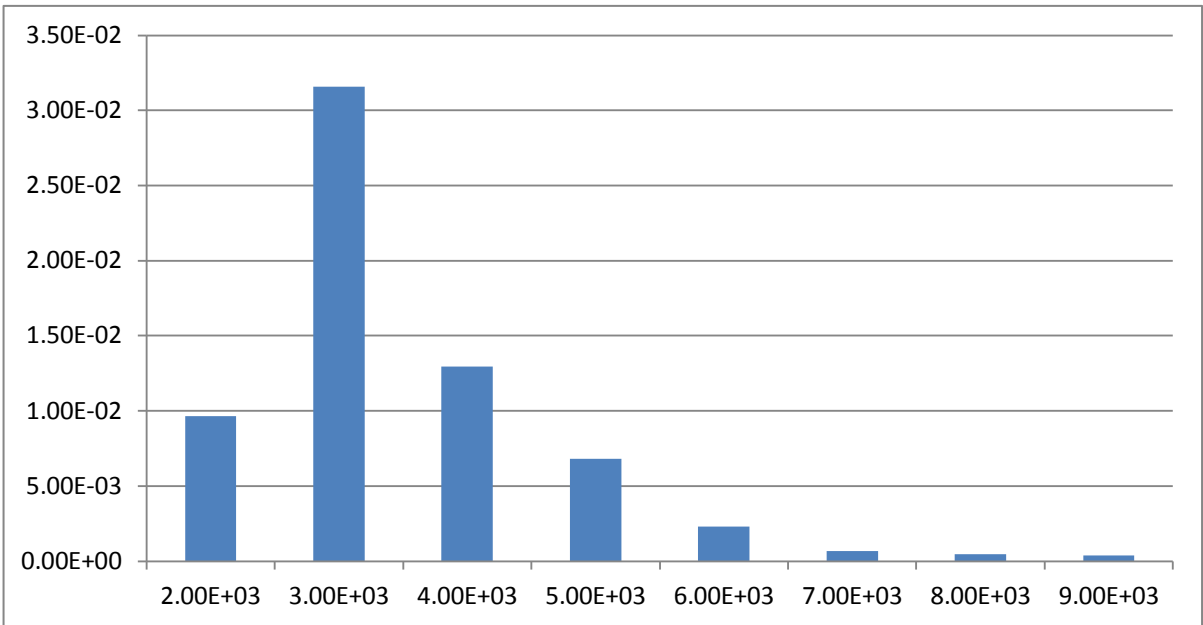
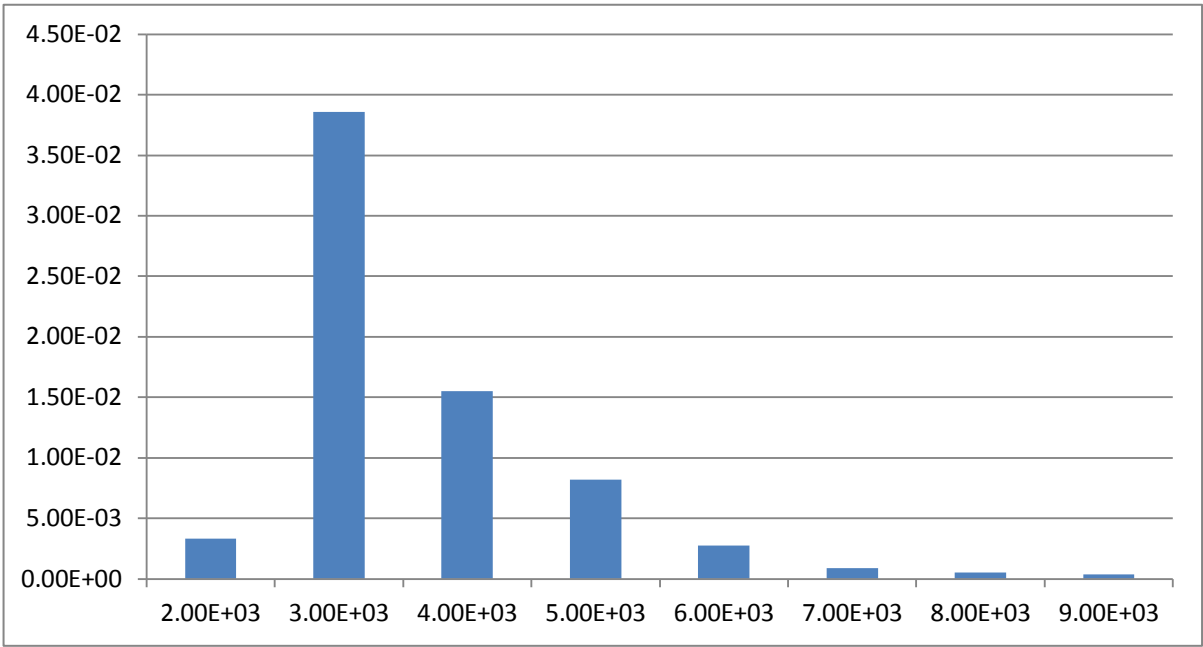
N-Period=1
Fourier components of V(output)
DC component:-0.0318185

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer	Phase [degree]	Normalized Phase [deg]
1	1.00E+03	1.06E+01	1.00E+00	0.11°	0.00°
2	2.00E+03	1.02E-01	9.64E-03	-71.50°	-71.61°
3	3.00E+03	3.33E-01	3.16E-02	1.60°	1.49°
4	4.00E+03	1.37E-01	1.30E-02	93.00°	92.89°
5	5.00E+03	7.18E-02	6.81E-03	177.75°	177.63°
6	6.00E+03	2.42E-02	2.29E-03	-104.27°	-104.38°
7	7.00E+03	7.23E-03	6.85E-04	-57.04°	-57.16°
8	8.00E+03	4.78E-03	4.53E-04	-40.18°	-40.29°
9	9.00E+03	3.90E-03	3.69E-04	28.89°	28.77°

Total Harmonic Distortion: 3.618086%(3.618415%)

outputv: RMS(v(output))=7.46634 FROM 0 TO 0.004

Cathode Bias



1W WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer	Phase [degree]	Normalized Phase [deg]
1	1.00E+03	7.19E+00	1.00E+00	-178.38°	0.00°
2	2.00E+03	1.03E-01	1.44E-02	87.97°	266.35°
3	3.00E+03	1.15E-02	1.60E-03	0.63°	179.01°
4	4.00E+03	3.18E-04	4.42E-05	160.78°	339.16°
5	5.00E+03	2.98E-04	4.14E-05	177.57°	355.95°
6	6.00E+03	3.93E-04	5.47E-05	-94.23°	84.15°
7	7.00E+03	4.29E-05	5.96E-06	156.20°	334.58°
8	8.00E+03	1.98E-04	2.76E-05	-98.84°	79.54°
9	9.00E+03	5.07E-05	7.04E-06	-168.14°	10.24°

Total Harmonic Distortion: 1.444389%(1.444837%)

OUTPUT

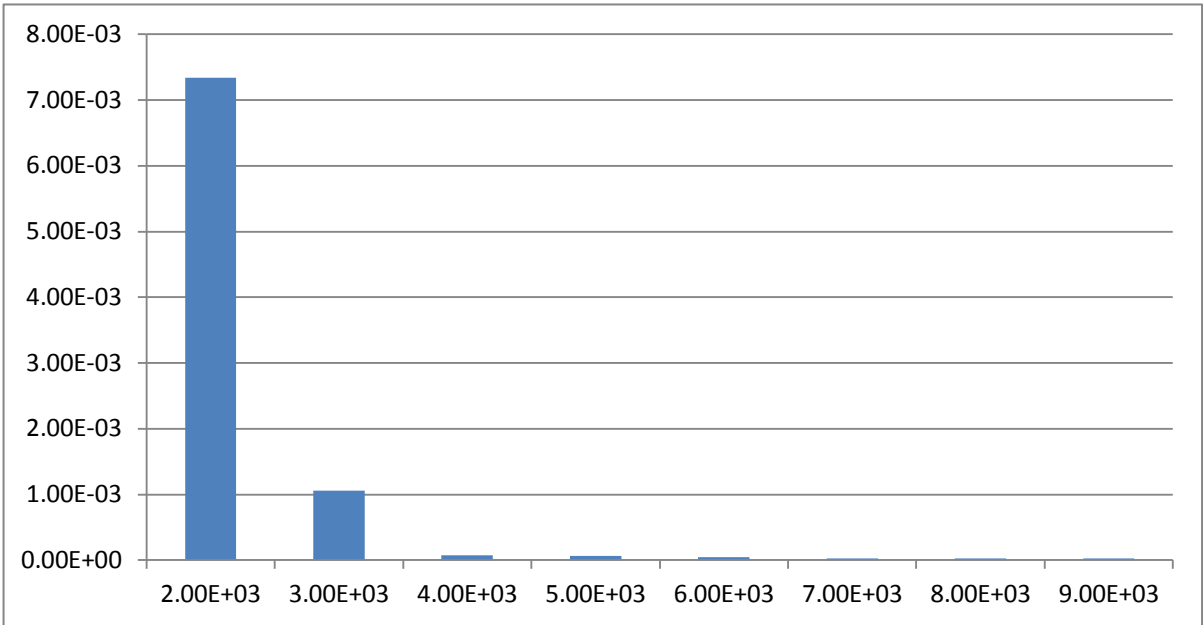
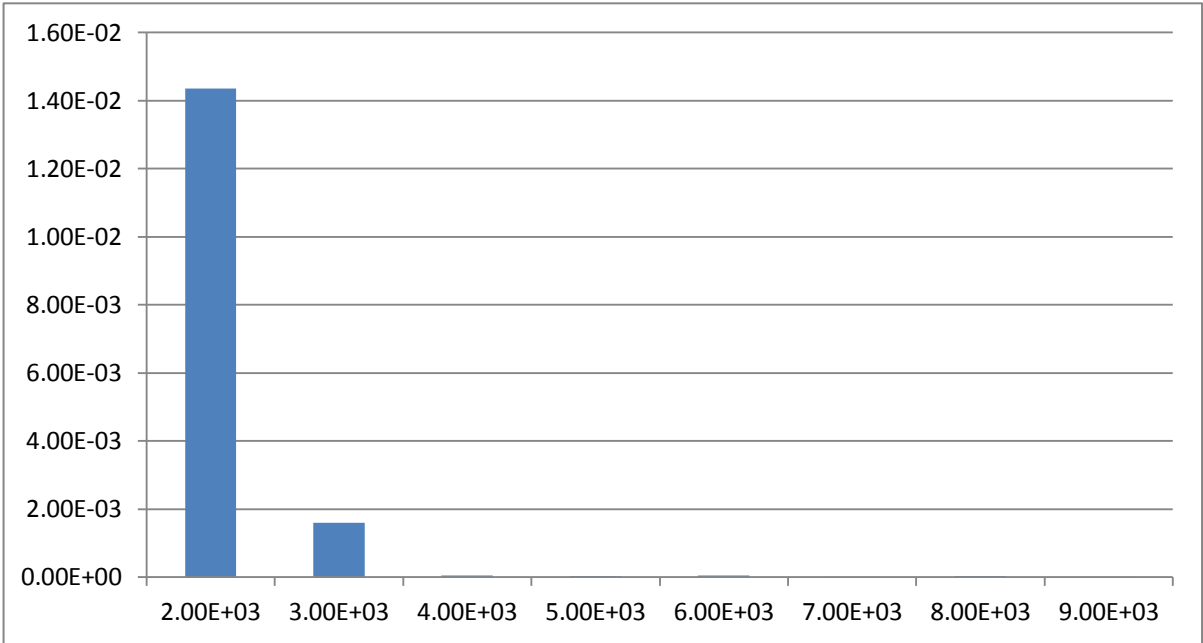
N-Period=1
Fourier components of V(output)
DC component:-0.0375615

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer	Phase [degree]	Normalized Phase [deg]
1	1.00E+03	4.04E+00	1.00E+00	0.15°	0.00°
2	2.00E+03	2.97E-02	7.34E-03	86.39°	86.24°
3	3.00E+03	4.29E-03	1.06E-03	0.79°	0.64°
4	4.00E+03	3.03E-04	7.49E-05	159.12°	158.97°
5	5.00E+03	2.53E-04	6.25E-05	-179.94°	-180.09°
6	6.00E+03	1.72E-04	4.26E-05	-136.22°	-136.37°
7	7.00E+03	1.12E-04	2.77E-05	177.62°	177.47°
8	8.00E+03	1.12E-04	2.78E-05	-148.95°	-149.10°
9	9.00E+03	9.38E-05	2.32E-05	-177.73°	-177.88°

Total Harmonic Distortion: 0.742126%(0.743020%)

outputv: RMS(v(output))=2.85996 FROM 0 TO 0.004

Cathode Bias



uFollower-ECC88

FULL OUTPUT WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	2.17E+01	1.00E+00	-178.47°	0.00°
2	2.00E+03	1.40E-01	6.47E-03	-55.34°	123.14°
3	3.00E+03	9.48E-01	4.37E-02	1.31°	179.78°
4	4.00E+03	3.98E-01	1.83E-02	92.25°	270.72°
5	5.00E+03	2.21E-01	1.02E-02	176.96°	355.44°
6	6.00E+03	8.44E-02	3.89E-03	-103.48°	74.99°
7	7.00E+03	3.14E-02	1.45E-03	-39.02°	139.45°
8	8.00E+03	1.34E-02	6.17E-04	0.42°	178.89°
9	9.00E+03	8.02E-03	3.70E-04	57.91°	236.38°

Total Harmonic Distortion: 4.908995%(4.909230%)

OUTPUT

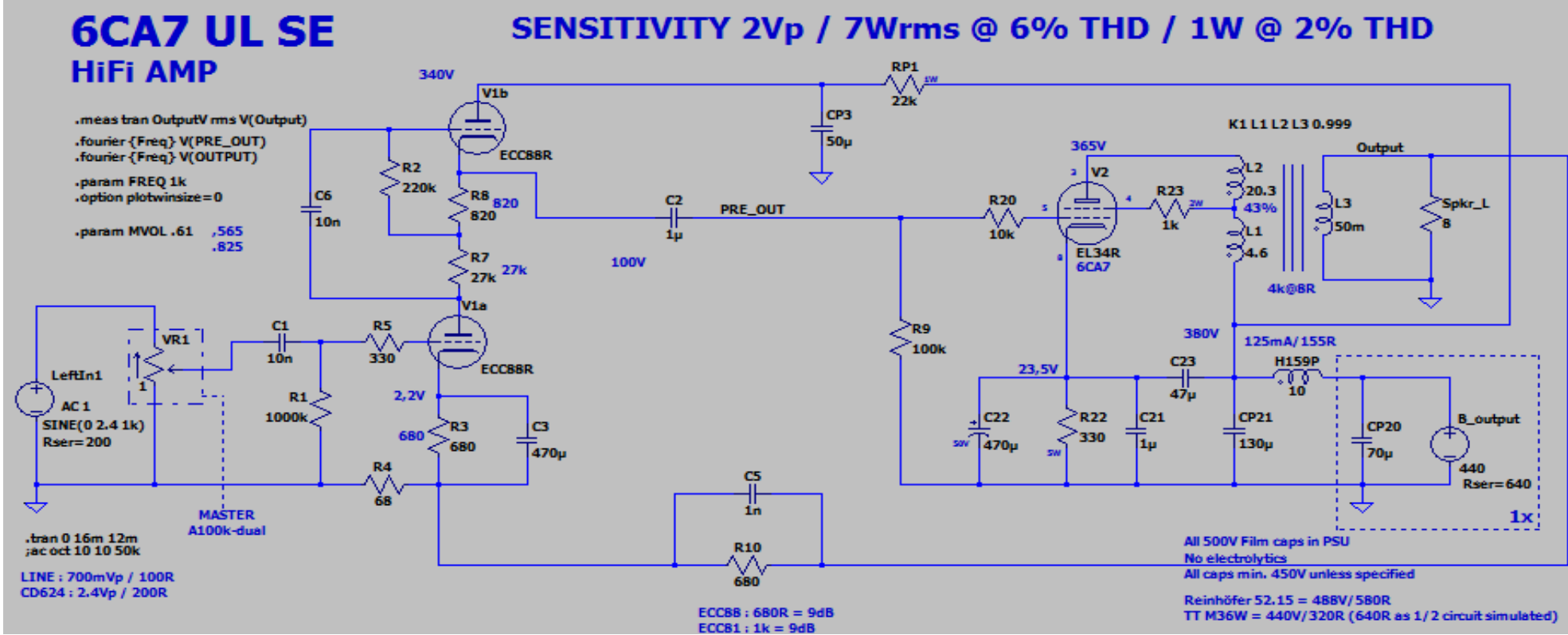
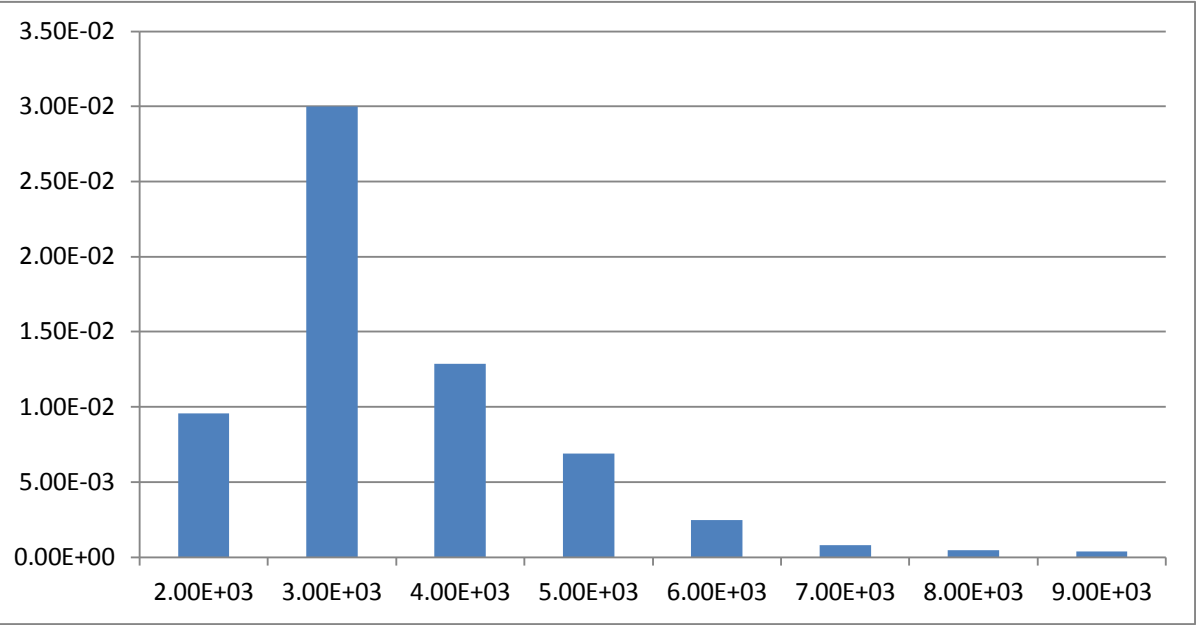
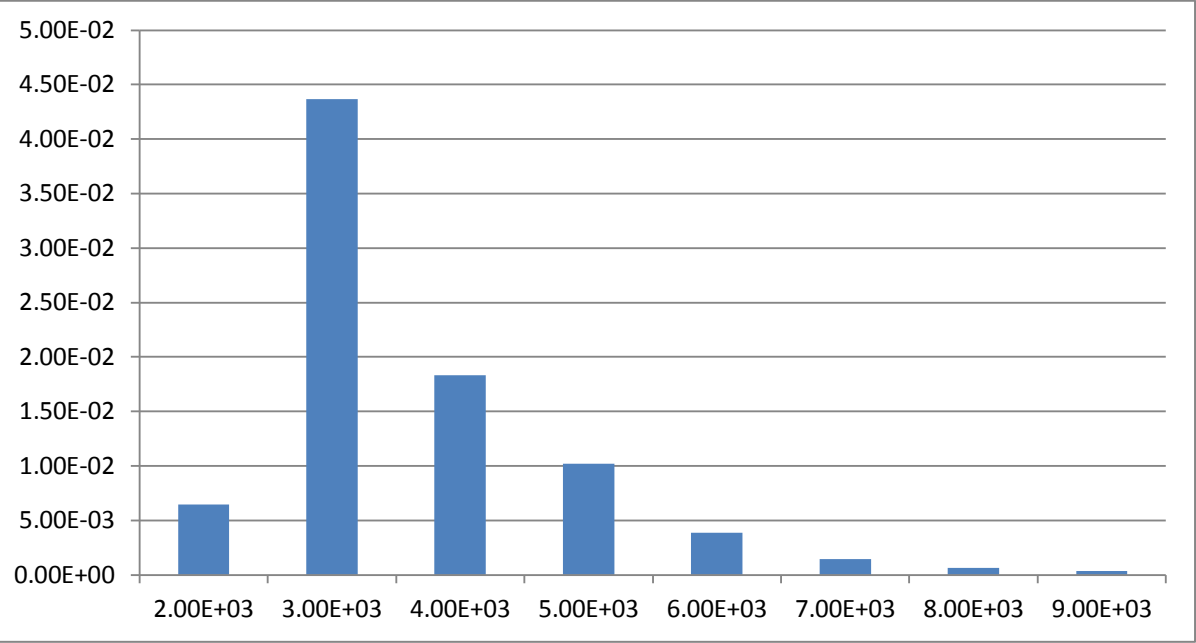
N-Period=1
Fourier components of V(output)
DC component:-0.0420968

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	1.05E+01	1.00E+00	0.09°	0.00°
2	2.00E+03	1.01E-01	9.58E-03	-73.60°	-73.69°
3	3.00E+03	3.16E-01	3.00E-02	1.94°	1.85°
4	4.00E+03	1.36E-01	1.29E-02	93.27°	93.18°
5	5.00E+03	7.29E-02	6.91E-03	178.14°	178.05°
6	6.00E+03	2.60E-02	2.46E-03	-103.66°	-103.74°
7	7.00E+03	8.19E-03	7.77E-04	-50.19°	-50.28°
8	8.00E+03	4.87E-03	4.62E-04	-31.15°	-31.24°
9	9.00E+03	4.15E-03	3.93E-04	32.44°	32.35°

Total Harmonic Distortion: 3.479738%(3.480126%)

outputv: RMS(v(output))=7.4567 FROM 0 TO 0.004

Cathode Bias



1W WITH FEEDBACK

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Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	7.17E+00	1.00E+00	-178.40°	0.00°
2	2.00E+03	1.04E-01	1.45E-02	87.53°	265.92°
3	3.00E+03	1.24E-02	1.73E-03	0.62°	179.02°
4	4.00E+03	4.07E-04	5.67E-05	153.55°	331.94°
5	5.00E+03	4.40E-04	6.14E-05	-179.14°	-0.75°
6	6.00E+03	3.75E-04	5.23E-05	-95.33°	83.06°
7	7.00E+03	1.70E-04	2.37E-05	172.05°	350.44°
8	8.00E+03	2.42E-04	3.38E-05	-97.94°	80.45°
9	9.00E+03	1.39E-04	1.94E-05	172.93°	351.33°

Total Harmonic Distortion: 1.460711%(1.461156%)

OUTPUT

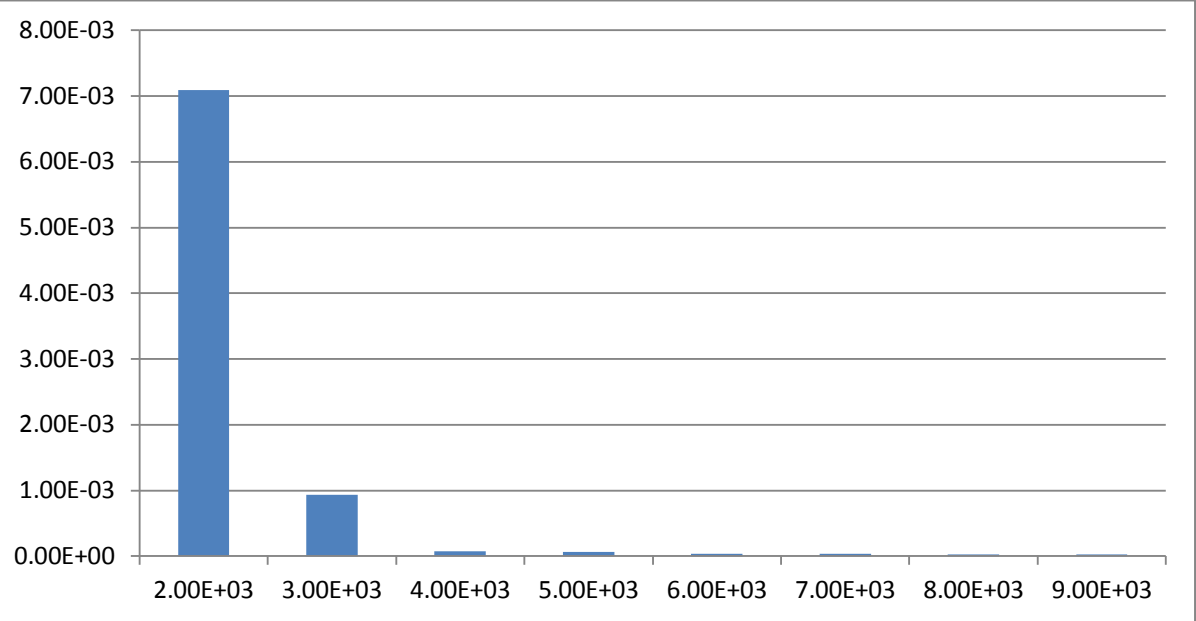
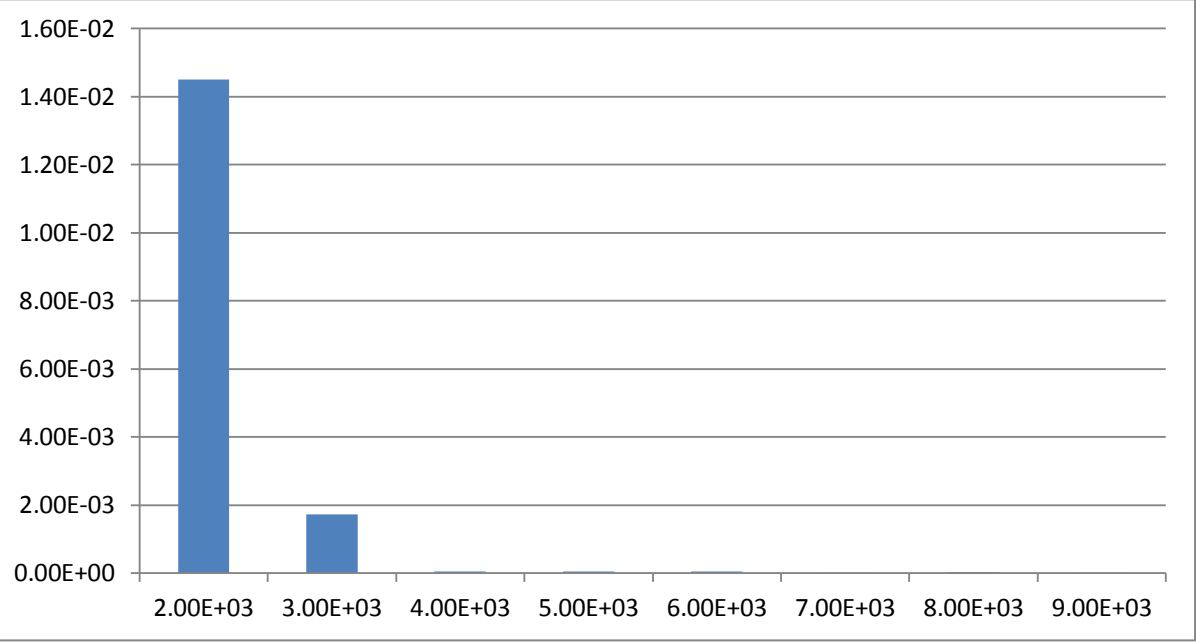
N-Period=1
Fourier components of V(output)
DC component:-0.0409215

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	4.04E+00	1.00E+00	0.14°	0.00°
2	2.00E+03	2.86E-02	7.09E-03	87.33°	87.19°
3	3.00E+03	3.75E-03	9.30E-04	1.14°	1.01°
4	4.00E+03	2.93E-04	7.26E-05	158.11°	157.97°
5	5.00E+03	2.63E-04	6.51E-05	-178.68°	-178.82°
6	6.00E+03	1.55E-04	3.84E-05	-135.82°	-135.96°
7	7.00E+03	1.34E-04	3.33E-05	177.44°	177.30°
8	8.00E+03	1.09E-04	2.69E-05	-142.11°	-142.25°
9	9.00E+03	1.07E-04	2.64E-05	178.22°	178.08°

Total Harmonic Distortion: 0.715293%(0.716218%)

outputv: RMS(v(output))=2.85458 FROM 0 TO 0.004

Cathode Bias



FULL OUTPUT WITH FEEDBACK

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Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	2.23E+01	1.00E+00	-173.50°	0.00°
2	2.00E+03	3.03E-01	1.36E-02	-45.04°	128.46°
3	3.00E+03	1.21E+00	5.44E-02	20.33°	193.83°
4	4.00E+03	5.47E-01	2.45E-02	118.15°	291.65°
5	5.00E+03	3.24E-01	1.45E-02	-149.60°	23.89°
6	6.00E+03	1.41E-01	6.34E-03	-58.02°	115.48°
7	7.00E+03	5.56E-02	2.50E-03	24.75°	198.24°
8	8.00E+03	1.47E-02	6.59E-04	86.36°	259.86°
9	9.00E+03	6.81E-03	3.05E-04	110.11°	283.61°
Total Harmonic Distortion: 6.330300%(6.331011%)					

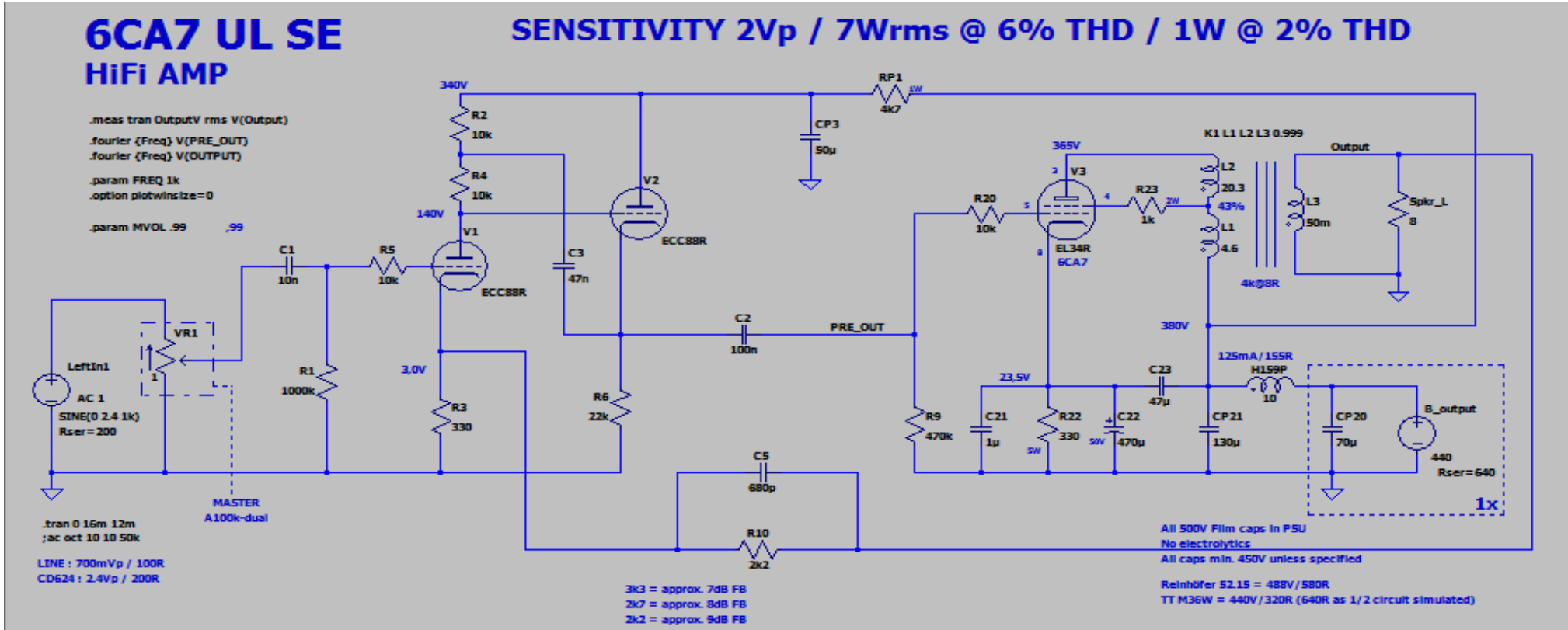
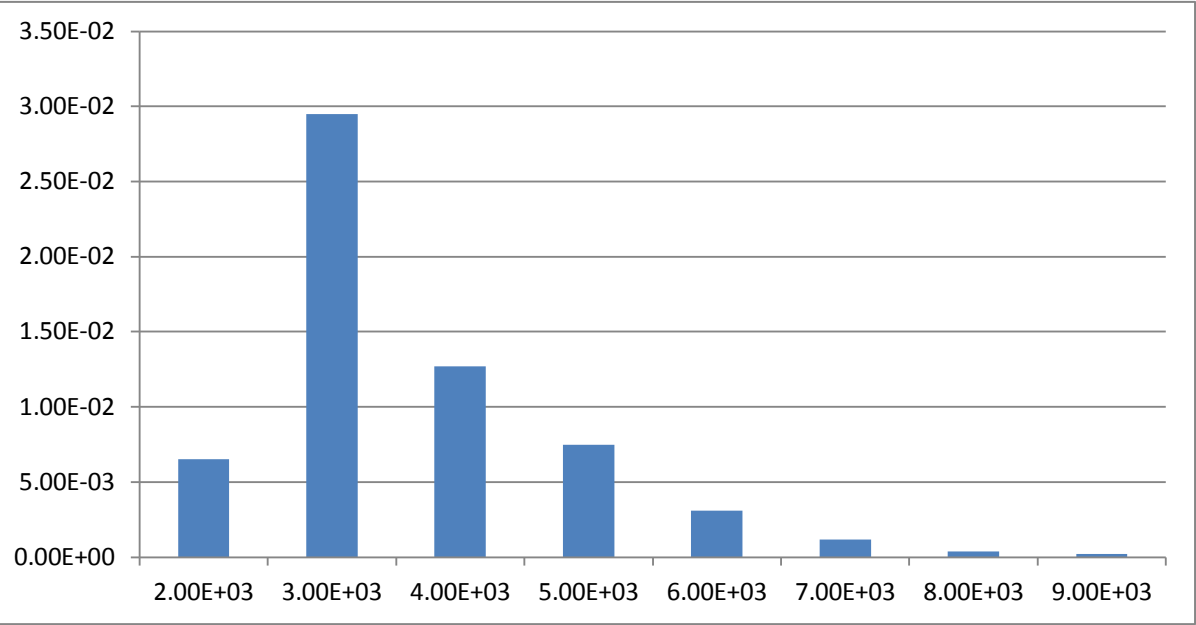
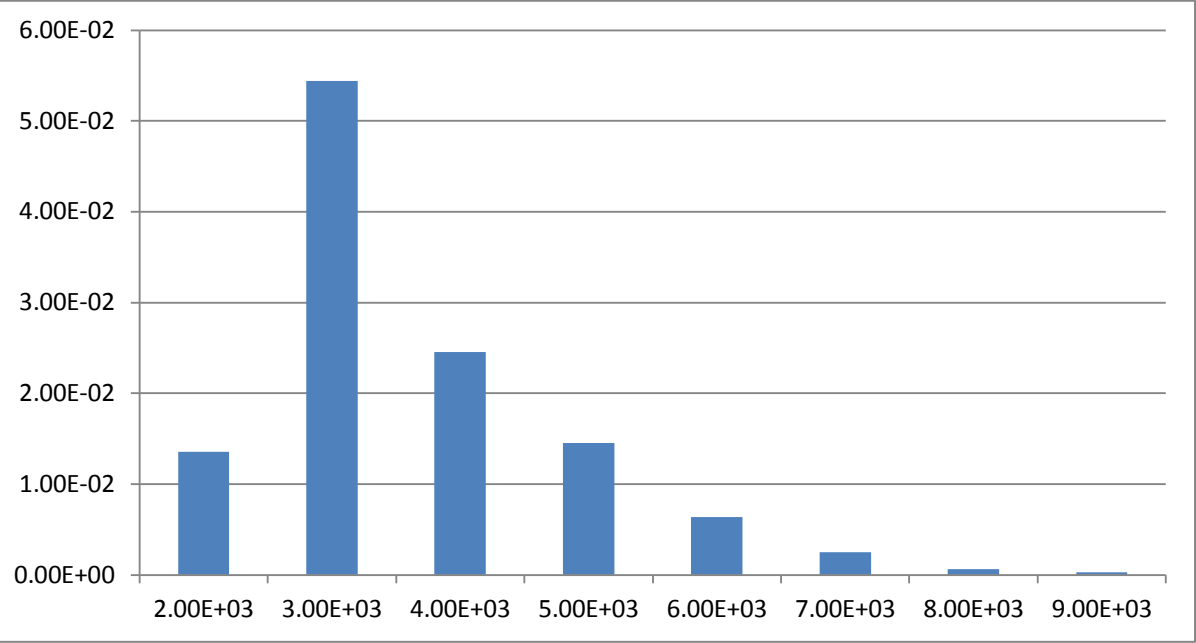
OUTPUT

N-Period=1
Fourier components of V(output)
DC component:0.122167

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	1.06E+01	1.00E+00	5.07°	0.00°
2	2.00E+03	6.91E-02	6.54E-03	-72.42°	-77.48°
3	3.00E+03	3.11E-01	2.95E-02	13.02°	7.95°
4	4.00E+03	1.34E-01	1.27E-02	111.10°	106.03°
5	5.00E+03	7.92E-02	7.49E-03	-156.09°	-161.16°
6	6.00E+03	3.26E-02	3.09E-03	-66.51°	-71.58°
7	7.00E+03	1.24E-02	1.17E-03	15.09°	10.03°
8	8.00E+03	4.08E-03	3.86E-04	75.40°	70.33°
9	9.00E+03	2.43E-03	2.30E-04	135.54°	130.47°
Total Harmonic Distortion: 3.375351%(3.375972%)					

outputv: RMS(v(output))=7.47716 FROM 0 TO 0.004

Cathode Bias



1W WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	7.15E+00	1.00E+00	-174.11°	0.00°
2	2.00E+03	1.07E-01	1.49E-02	97.36°	271.47°
3	3.00E+03	1.38E-02	1.93E-03	15.67°	189.78°
4	4.00E+03	4.79E-04	6.70E-05	165.36°	339.46°
5	5.00E+03	5.48E-04	7.66E-05	-155.88°	18.23°
6	6.00E+03	4.08E-04	5.70E-05	-69.16°	104.95°
7	7.00E+03	1.98E-04	2.77E-05	-158.96°	15.15°
8	8.00E+03	2.06E-04	2.88E-05	-66.78°	107.32°
9	9.00E+03	1.61E-04	2.25E-05	-150.47°	23.63°
Total Harmonic Distortion: 1.503384%(1.503813%)					

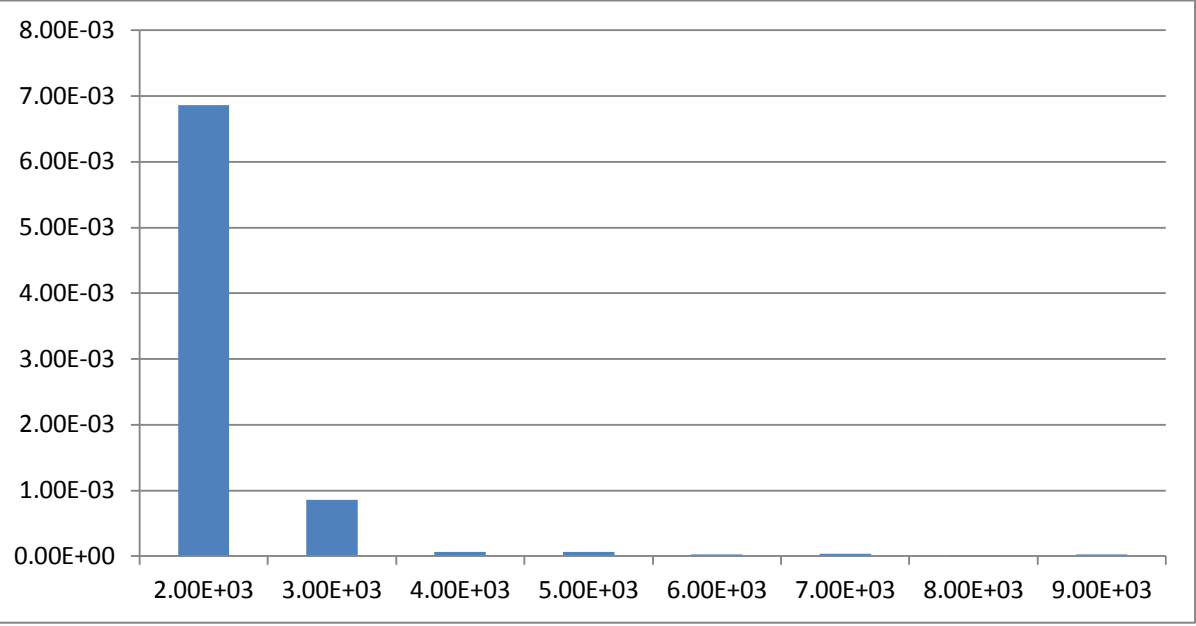
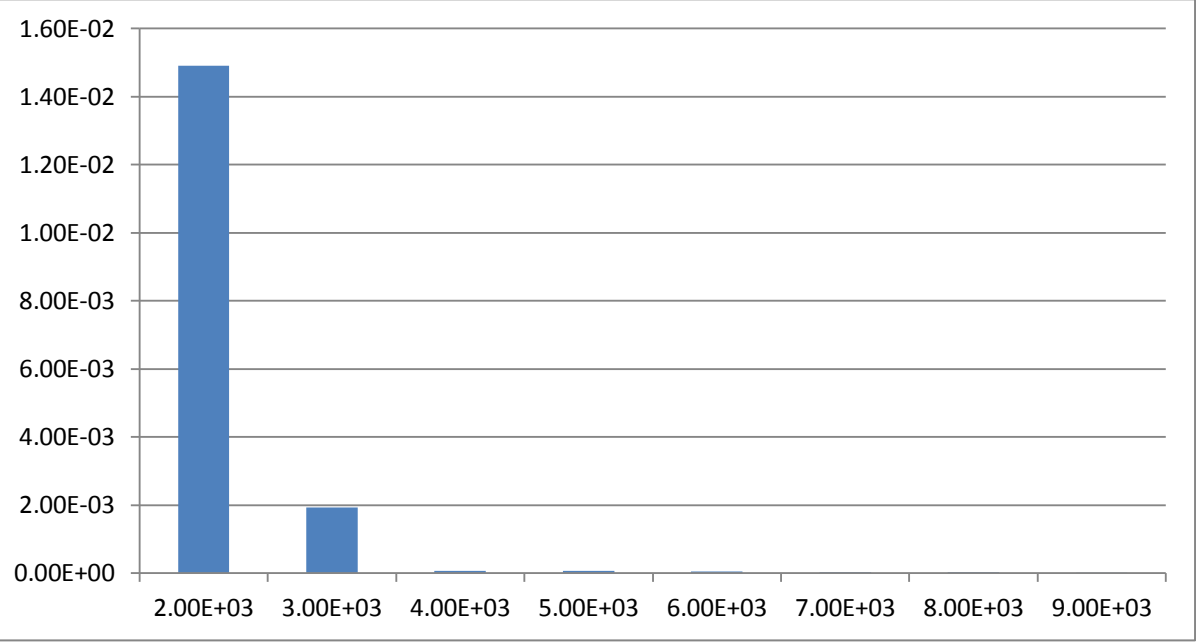
OUTPUT

N-Period=1
Fourier components of V(output)
DC component:-0.0398655

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	4.03E+00	1.00E+00	4.44°	0.00°
2	2.00E+03	2.77E-02	6.86E-03	93.24°	88.80°
3	3.00E+03	3.45E-03	8.55E-04	12.00°	7.56°
4	4.00E+03	2.74E-04	6.78E-05	168.12°	163.68°
5	5.00E+03	2.70E-04	6.70E-05	-173.78°	-178.22°
6	6.00E+03	1.13E-04	2.79E-05	-138.40°	-142.84°
7	7.00E+03	1.48E-04	3.67E-05	178.21°	173.77°
8	8.00E+03	7.49E-05	1.86E-05	-160.19°	-164.63°
9	9.00E+03	1.17E-04	2.89E-05	179.39°	174.95°
Total Harmonic Distortion: 0.691645%(0.692622%)					

outputv: RMS(v(output))=2.853 FROM 0 TO 0.004

Cathode Bias



FULL OUTPUT WITH FEEDBACK

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Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	2.17E+01	1.00E+00	-178.70°	0.00°
2	2.00E+03	2.12E-01	9.79E-03	-67.66°	111.04°
3	3.00E+03	9.85E-01	4.54E-02	0.20°	178.90°
4	4.00E+03	4.37E-01	2.01E-02	90.61°	269.31°
5	5.00E+03	2.43E-01	1.12E-02	174.72°	353.42°
6	6.00E+03	9.83E-02	4.53E-03	-105.32°	73.38°
7	7.00E+03	3.94E-02	1.82E-03	-40.31°	138.39°
8	8.00E+03	1.63E-02	7.53E-04	9.08°	187.77°
9	9.00E+03	9.73E-03	4.48E-04	64.80°	243.50°

Total Harmonic Distortion: 5.209430%(5.209670%)

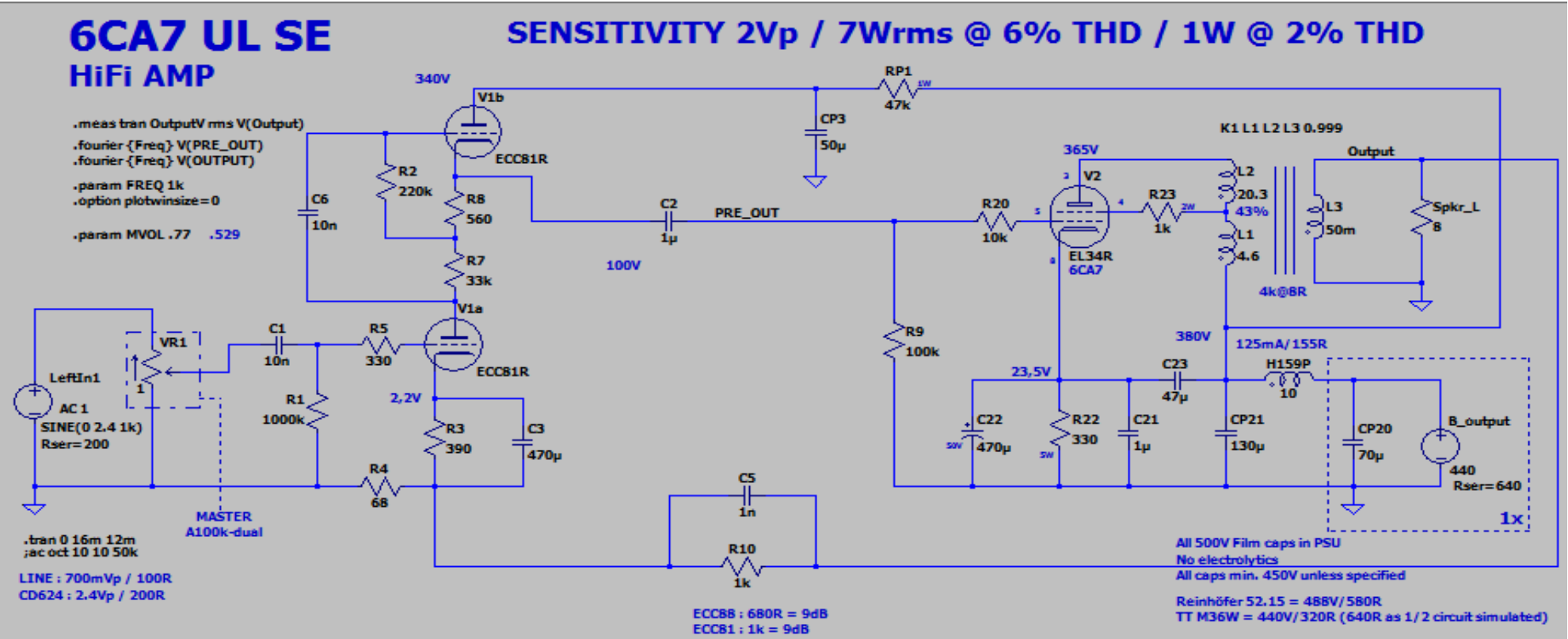
OUTPUT

N-Period=1
Fourier components of V(output)
DC component:-0.04681

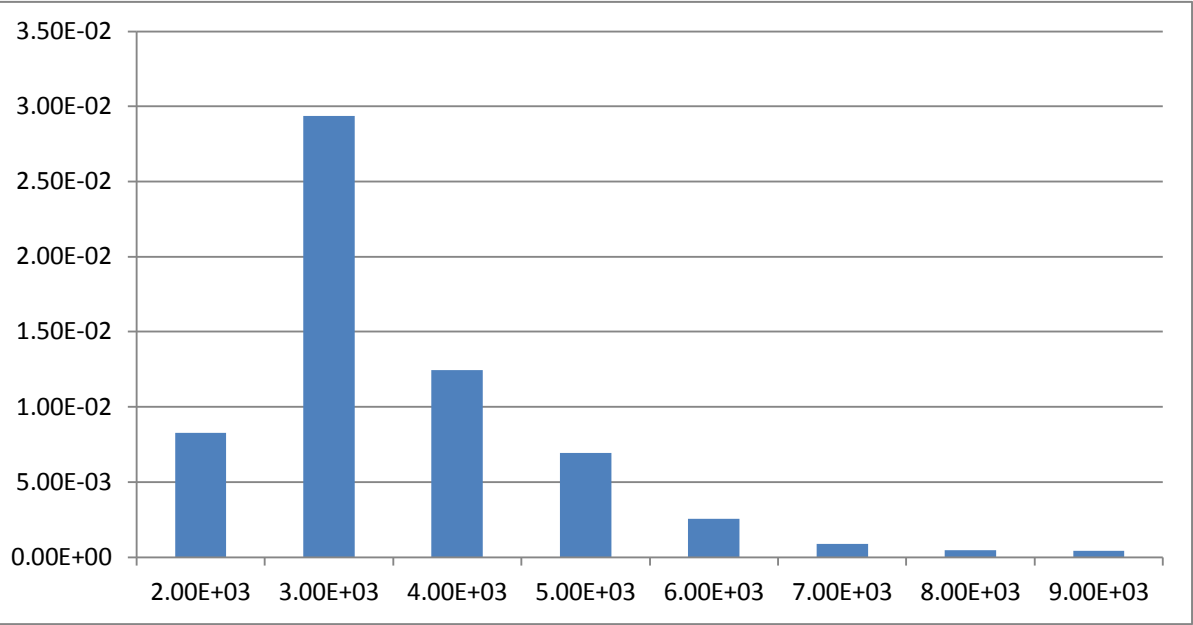
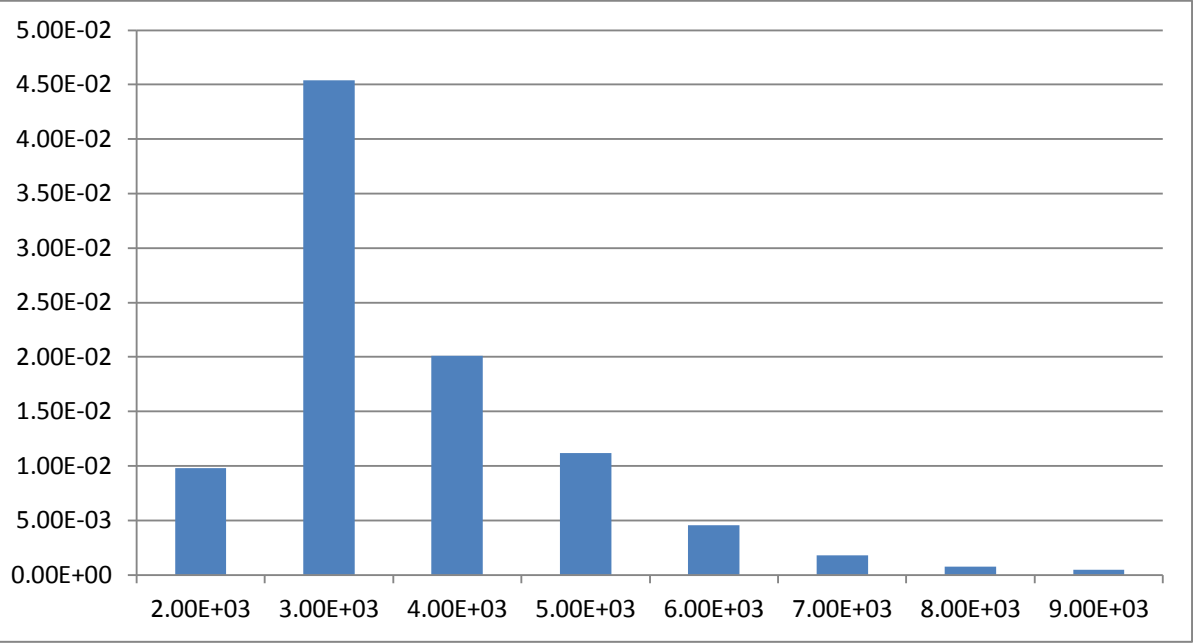
Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	1.06E+01	1.00E+00	-0.13°	0.00°
2	2.00E+03	8.71E-02	8.25E-03	-72.92°	-72.79°
3	3.00E+03	3.10E-01	2.94E-02	1.79°	1.92°
4	4.00E+03	1.31E-01	1.24E-02	93.00°	93.13°
5	5.00E+03	7.34E-02	6.95E-03	177.52°	177.65°
6	6.00E+03	2.70E-02	2.56E-03	-103.42°	-103.29°
7	7.00E+03	9.37E-03	8.88E-04	-47.24°	-47.12°
8	8.00E+03	4.67E-03	4.42E-04	-23.11°	-22.99°
9	9.00E+03	4.23E-03	4.00E-04	35.92°	36.05°

Total Harmonic Distortion: 3.378359%(3.378779%)

outputv: RMS(v(output))=7.46552 FROM 0 TO 0.004



Cathode Bias



1W WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	7.14E+00	1.00E+00	-178.48°	0.00°
2	2.00E+03	1.03E-01	1.44E-02	87.21°	265.69°
3	3.00E+03	1.21E-02	1.69E-03	0.26°	178.74°
4	4.00E+03	4.51E-04	6.33E-05	145.75°	324.24°
5	5.00E+03	4.15E-04	5.82E-05	178.60°	357.08°
6	6.00E+03	3.40E-04	4.76E-05	-98.92°	79.56°
7	7.00E+03	1.83E-04	2.57E-05	171.79°	350.27°
8	8.00E+03	2.16E-04	3.03E-05	-103.40°	75.08°
9	9.00E+03	1.78E-04	2.49E-05	177.52°	356.00°

Total Harmonic Distortion: 1.452575%(1.453023%)

OUTPUT

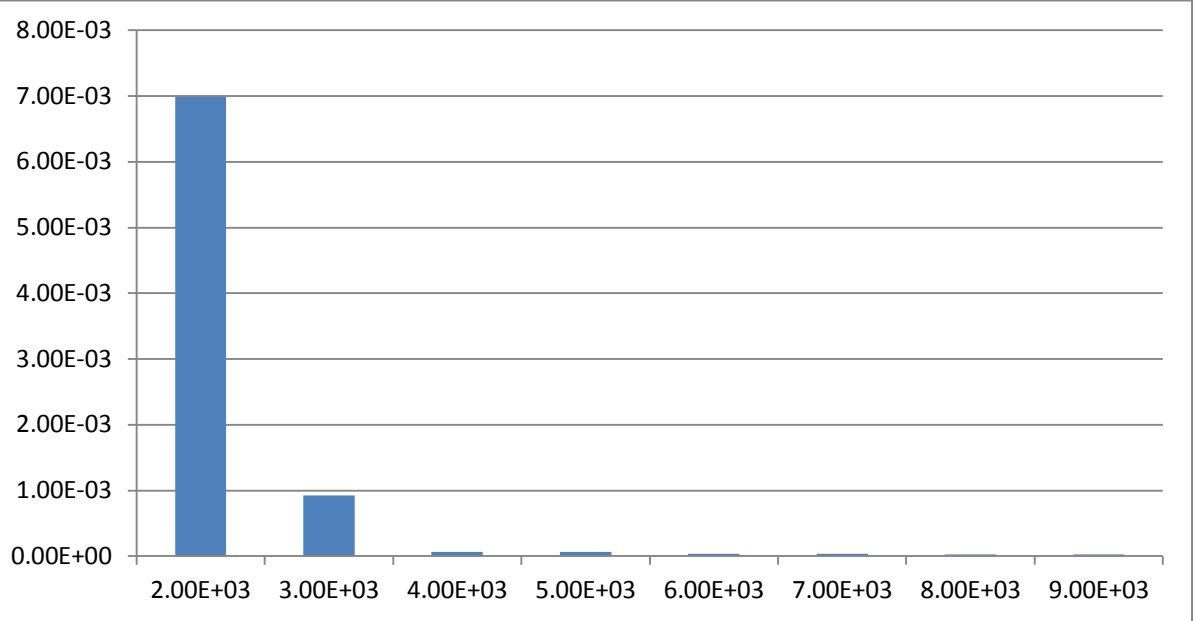
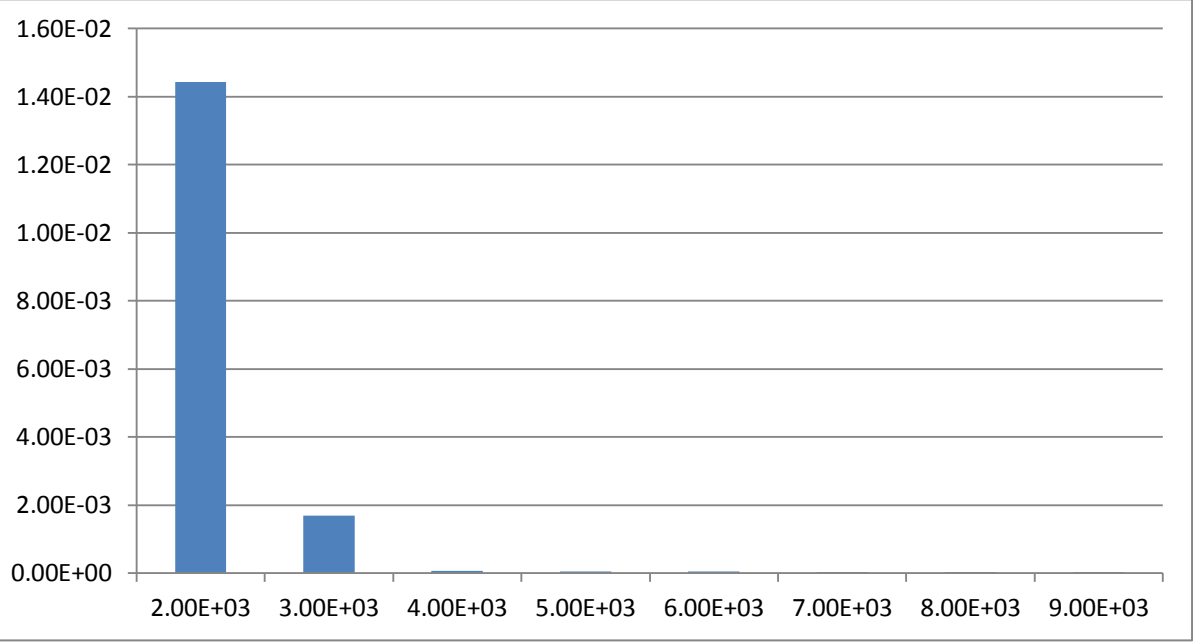
N-Period=1
Fourier components of V(output)
DC component:-0.0408765

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	4.03E+00	1.00E+00	0.06°	0.00°
2	2.00E+03	2.81E-02	6.98E-03	87.48°	87.43°
3	3.00E+03	3.73E-03	9.26E-04	0.94°	0.89°
4	4.00E+03	2.64E-04	6.57E-05	164.82°	164.77°
5	5.00E+03	2.43E-04	6.04E-05	-179.74°	-179.79°
6	6.00E+03	1.44E-04	3.59E-05	-138.36°	-138.42°
7	7.00E+03	1.32E-04	3.27E-05	177.47°	177.41°
8	8.00E+03	1.02E-04	2.53E-05	-144.85°	-144.91°
9	9.00E+03	1.12E-04	2.77E-05	179.70°	179.64°

Total Harmonic Distortion: 0.704436%(0.705373%)

outputv: RMS(v(output))=2.84642 FROM 0 TO 0.004

Cathode Bias



Cascode

FULL OUTPUT WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	2.23E+01	1.00E+00	-178.42°	0.00°
2	2.00E+03	8.63E-01	3.88E-02	-82.15°	96.26°
3	3.00E+03	1.34E+00	6.00E-02	2.37°	180.78°
4	4.00E+03	6.48E-01	2.91E-02	93.28°	271.69°
5	5.00E+03	1.80E-01	8.08E-03	170.41°	348.83°
6	6.00E+03	4.61E-02	2.07E-03	171.94°	350.36°
7	7.00E+03	1.59E-01	7.13E-03	-162.26°	16.16°
8	8.00E+03	1.63E-01	7.33E-03	-79.03°	99.39°
9	9.00E+03	1.32E-01	5.94E-03	5.90°	184.32°

Total Harmonic Distortion: 7.847446%(7.872603%)

OUTPUT

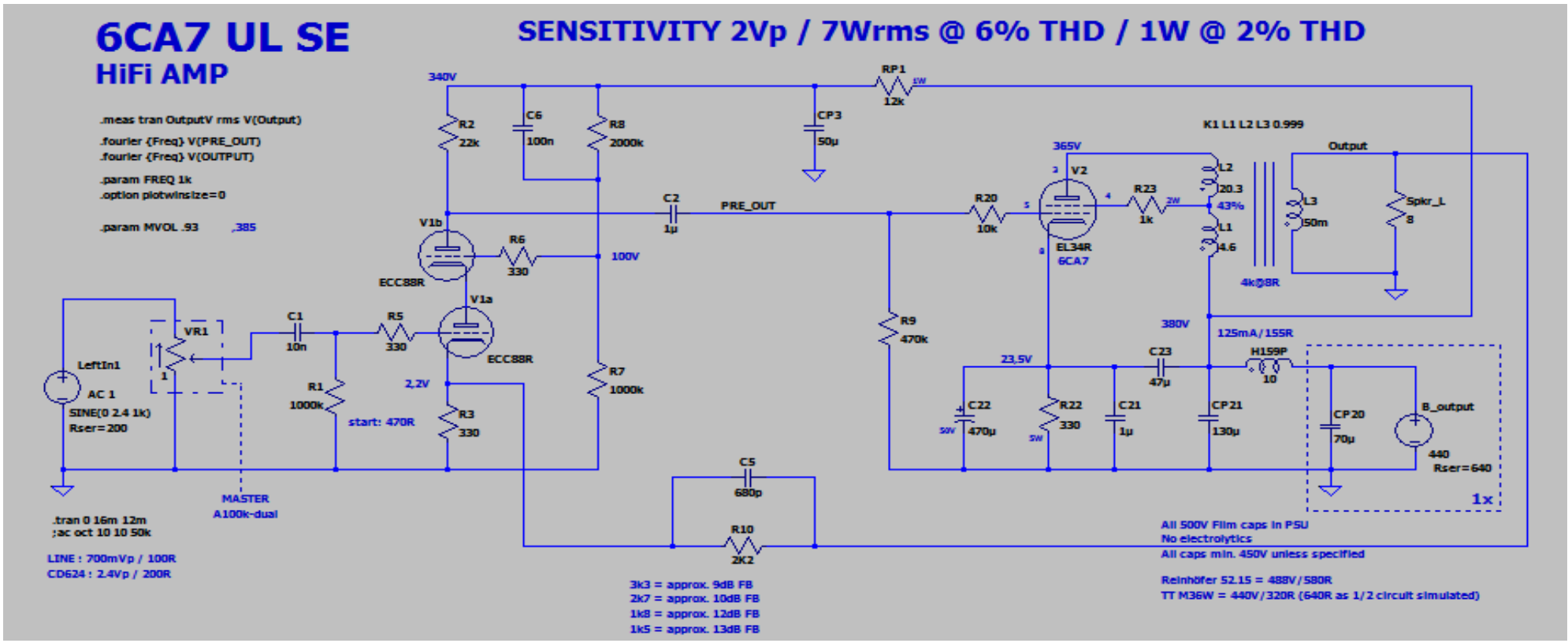
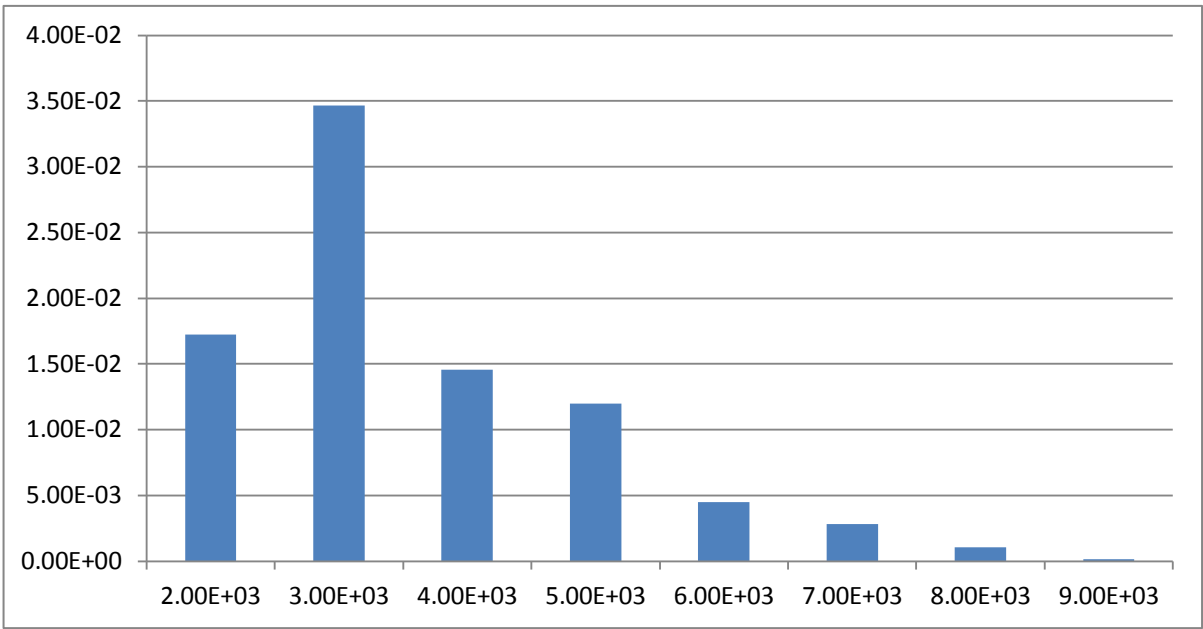
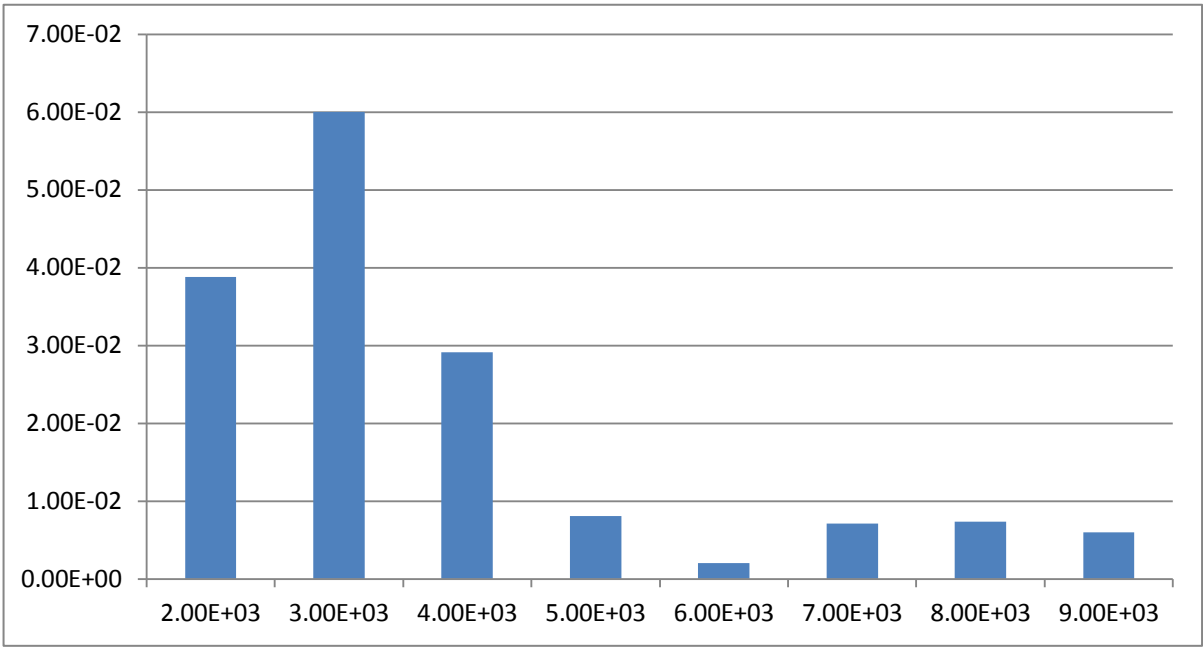
N-Period=1
Fourier components of V(output)
DC component:-0.256794

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	1.05E+01	1.00E+00	0.13°	0.00°
2	2.00E+03	1.81E-01	1.72E-02	-83.48°	-83.60°
3	3.00E+03	3.65E-01	3.46E-02	1.23°	1.10°
4	4.00E+03	1.53E-01	1.46E-02	91.43°	91.31°
5	5.00E+03	1.26E-01	1.20E-02	178.02°	177.90°
6	6.00E+03	4.75E-02	4.51E-03	-97.62°	-97.74°
7	7.00E+03	2.98E-02	2.84E-03	-14.46°	-14.59°
8	8.00E+03	1.11E-02	1.05E-03	65.41°	65.29°
9	9.00E+03	1.69E-03	1.61E-04	81.12°	81.00°

Total Harmonic Distortion: 4.337541%(4.339349%)

outputv: RMS(v(output))=7.45077 FROM 0 TO 0.004

Cathode Bias



1W WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	7.16E+00	1.00E+00	-178.42°	0.00°
2	2.00E+03	1.20E-01	1.68E-02	87.71°	266.14°
3	3.00E+03	1.54E-02	2.16E-03	1.22°	179.64°
4	4.00E+03	4.64E-04	6.47E-05	169.97°	348.39°
5	5.00E+03	5.54E-04	7.74E-05	-178.26°	0.16°
6	6.00E+03	4.56E-04	6.37E-05	-98.57°	79.85°
7	7.00E+03	2.07E-04	2.89E-05	167.66°	346.08°
8	8.00E+03	2.42E-04	3.38E-05	-107.17°	71.25°
9	9.00E+03	1.74E-04	2.43E-05	167.47°	345.89°

Total Harmonic Distortion: 1.691417%(1.691800%)

OUTPUT

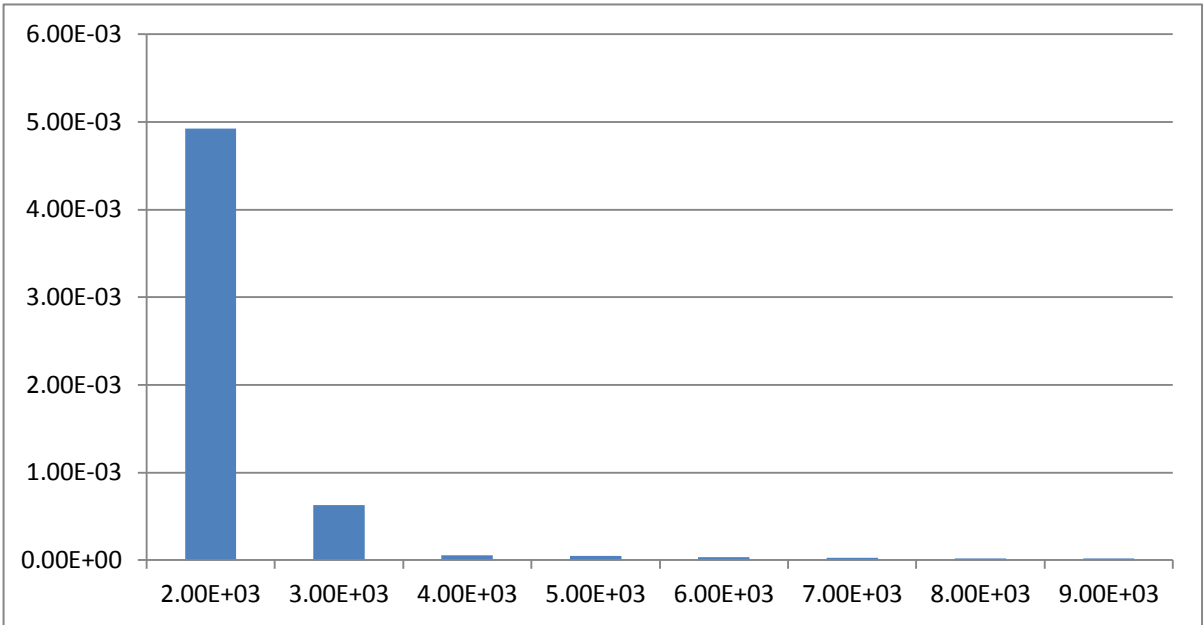
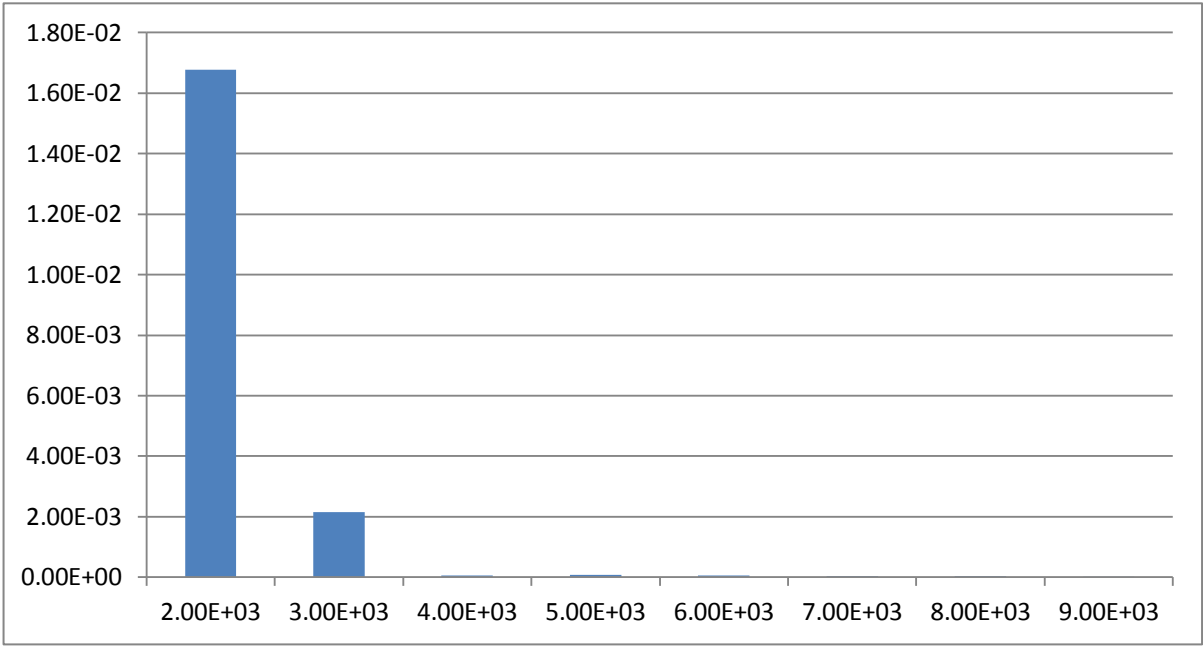
N-Period=1
Fourier components of V(output)
DC component:-0.0307241

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	4.04E+00	1.00E+00	0.13°	0.00°
2	2.00E+03	1.99E-02	4.92E-03	87.77°	87.64°
3	3.00E+03	2.55E-03	6.30E-04	0.41°	0.28°
4	4.00E+03	2.11E-04	5.21E-05	-177.47°	-177.59°
5	5.00E+03	2.04E-04	5.05E-05	-179.30°	-179.43°
6	6.00E+03	1.29E-04	3.20E-05	-143.93°	-144.06°
7	7.00E+03	1.11E-04	2.75E-05	176.55°	176.42°
8	8.00E+03	9.01E-05	2.23E-05	-154.02°	-154.15°
9	9.00E+03	8.78E-05	2.17E-05	176.08°	175.95°

Total Harmonic Distortion: 0.496296%(0.497607%)

outputv: RMS(v(output))=2.85757 FROM 0 TO 0.004

Cathode Bias



Parallel

FULL OUTPUT WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	2.18E+01	1.00E+00	-178.87°	0.00°
2	2.00E+03	1.55E-01	7.14E-03	-63.49°	115.39°
3	3.00E+03	8.15E-01	3.75E-02	-0.40°	178.47°
4	4.00E+03	3.44E-01	1.58E-02	89.73°	268.60°
5	5.00E+03	1.68E-01	7.74E-03	173.00°	351.87°
6	6.00E+03	5.56E-02	2.56E-03	-112.88°	65.99°
7	7.00E+03	1.80E-02	8.29E-04	-75.11°	103.76°
8	8.00E+03	1.25E-02	5.76E-04	-35.85°	143.03°
9	9.00E+03	7.84E-03	3.61E-04	34.01°	212.88°

Total Harmonic Distortion: 4.212822%(4.213047%)

OUTPUT

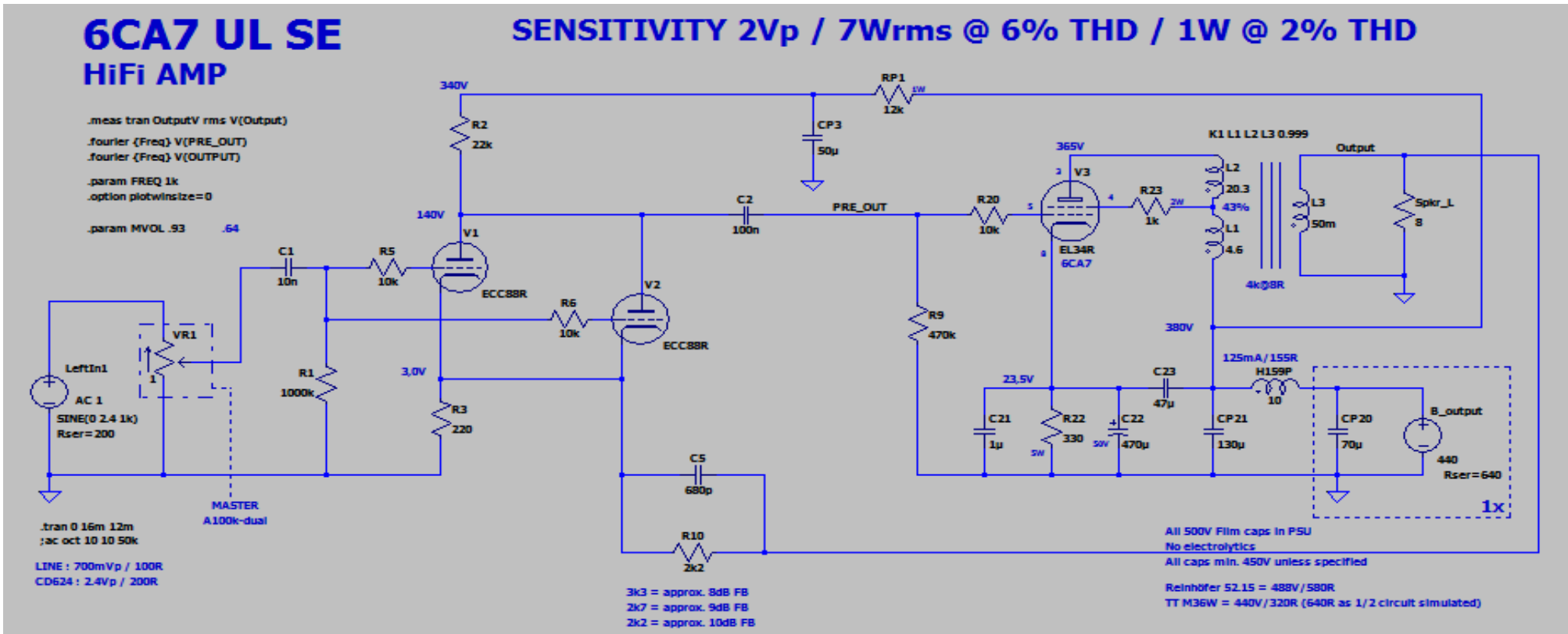
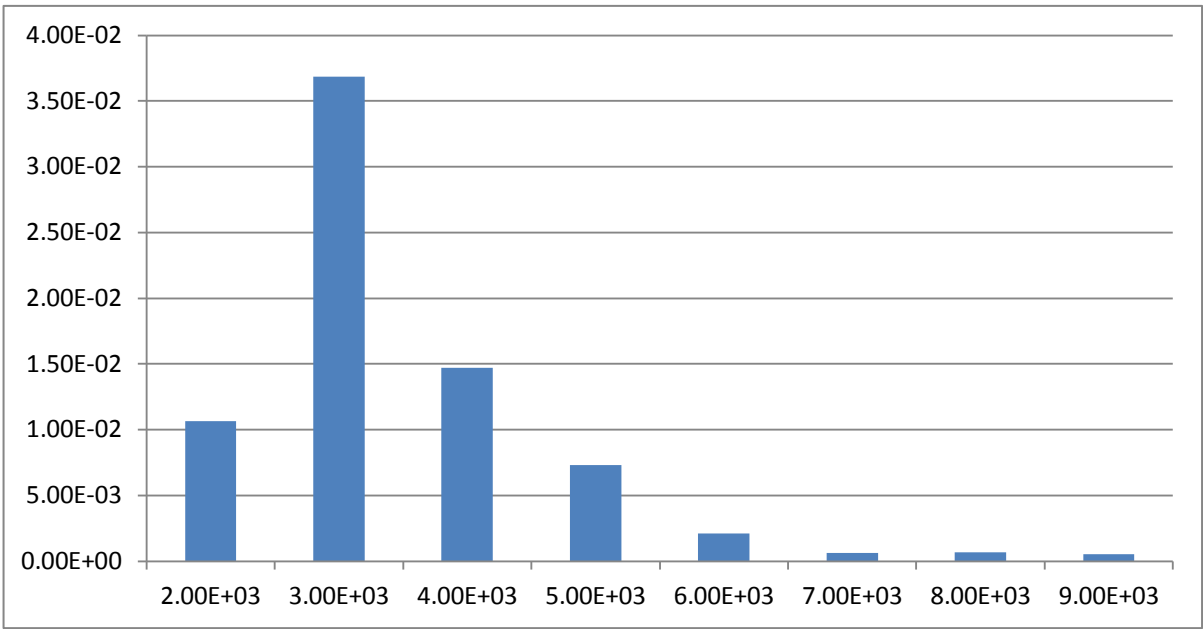
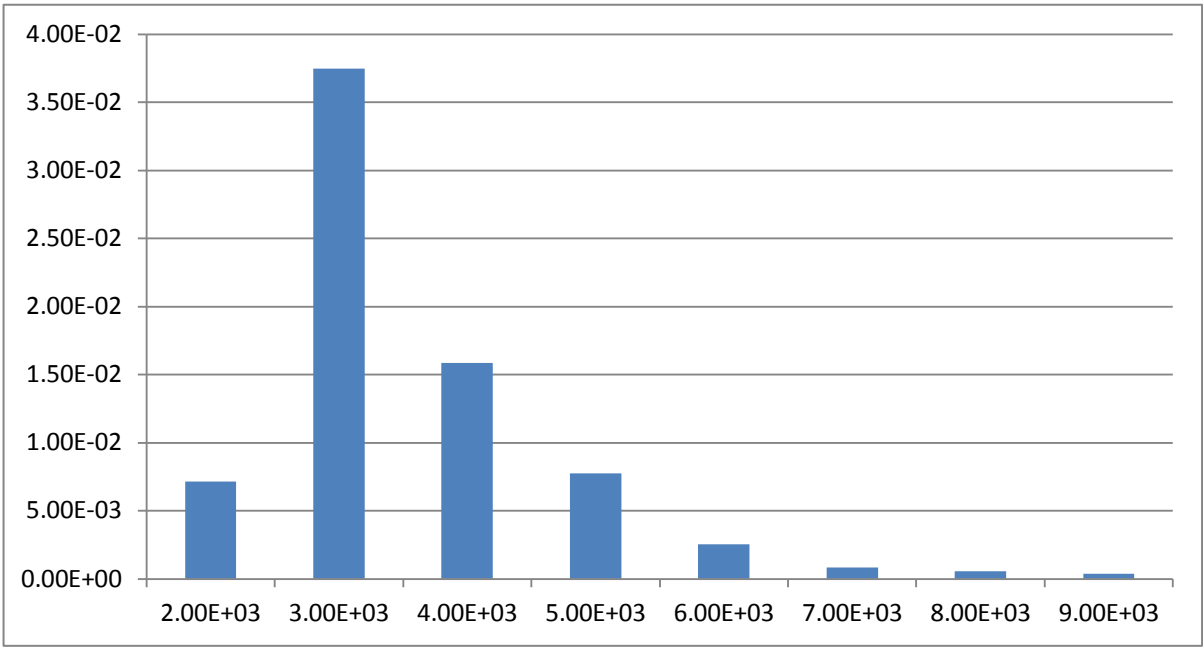
N-Period=1
Fourier components of V(output)
DC component:-0.030174

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	1.06E+01	1.00E+00	-0.30°	0.00°
2	2.00E+03	1.13E-01	1.07E-02	-73.45°	-73.15°
3	3.00E+03	3.89E-01	3.68E-02	0.03°	0.34°
4	4.00E+03	1.55E-01	1.47E-02	90.63°	90.93°
5	5.00E+03	7.72E-02	7.31E-03	174.33°	174.63°
6	6.00E+03	2.22E-02	2.10E-03	-113.02°	-112.71°
7	7.00E+03	6.72E-03	6.36E-04	-99.69°	-99.39°
8	8.00E+03	7.01E-03	6.64E-04	-63.96°	-63.66°
9	9.00E+03	5.32E-03	5.04E-04	8.57°	8.87°

Total Harmonic Distortion: 4.179076%(4.179417%)

outputv: RMS(v(output))=7.47109 FROM 0 TO 0.004

Cathode Bias



1W WITH FEEDBACK

PREAMP

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	7.13E+00	1.00E+00	-178.89°	0.00°
2	2.00E+03	9.04E-02	1.27E-02	86.03°	264.92°
3	3.00E+03	1.01E-02	1.42E-03	-1.98°	176.91°
4	4.00E+03	4.96E-04	6.96E-05	123.20°	302.09°
5	5.00E+03	3.43E-04	4.82E-05	-175.30°	3.59°
6	6.00E+03	3.11E-04	4.37E-05	-99.20°	79.69°
7	7.00E+03	1.00E-04	1.41E-05	174.99°	353.88°
8	8.00E+03	2.05E-04	2.88E-05	-102.35°	76.54°
9	9.00E+03	1.02E-04	1.43E-05	168.52°	347.41°

Total Harmonic Distortion: 1.276087%(1.276594%)

OUTPUT

N-Period=1
Fourier components of V(output)
DC component:-0.0403764

Harmonic Number	Frequency [Hz]	Fourier Componen	Normalizec Componer [degree]	Phase	Normalized Phase [deg]
1	1.00E+03	4.03E+00	1.00E+00	-0.34°	0.00°
2	2.00E+03	3.55E-02	8.82E-03	86.32°	86.66°
3	3.00E+03	4.75E-03	1.18E-03	-0.94°	-0.59°
4	4.00E+03	3.57E-04	8.86E-05	149.92°	150.27°
5	5.00E+03	3.06E-04	7.60E-05	-176.73°	-176.38°
6	6.00E+03	1.89E-04	4.70E-05	-137.77°	-137.42°
7	7.00E+03	1.45E-04	3.60E-05	179.57°	179.92°
8	8.00E+03	1.35E-04	3.35E-05	-142.61°	-142.27°
9	9.00E+03	1.22E-04	3.03E-05	177.40°	177.75°

Total Harmonic Distortion: 0.889653%(0.890406%)

outputv: RMS(v(output))=2.84642 FROM 0 TO 0.004

Cathode Bias

