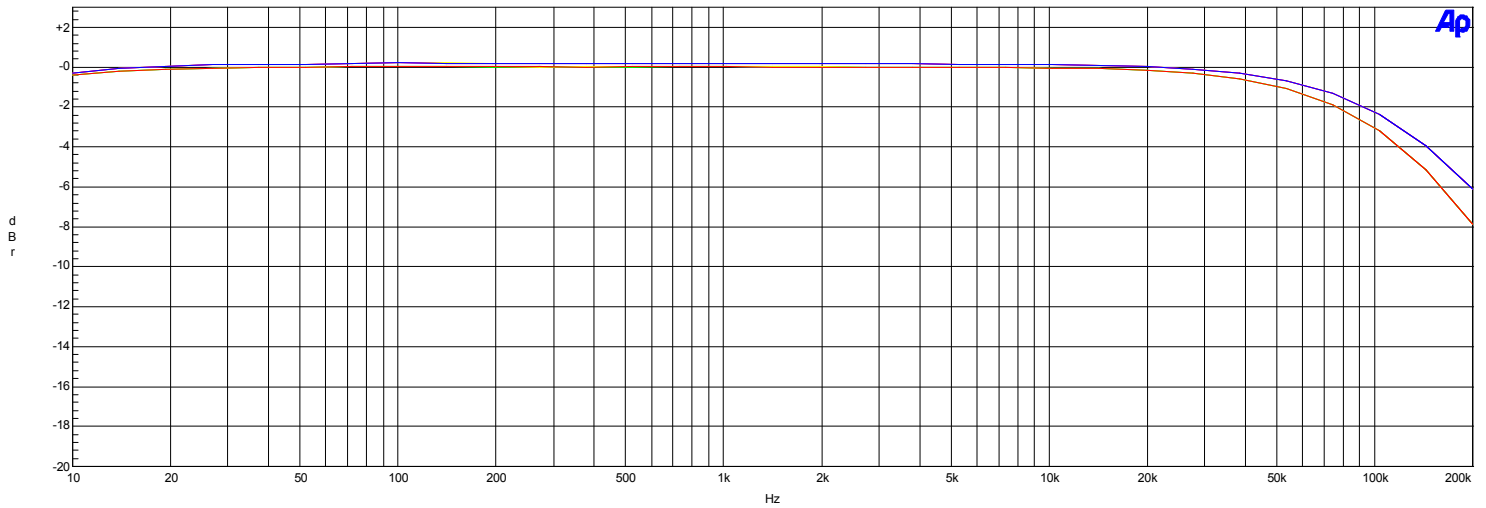


Test results for Marantz Model 7T restored and modified by Zed Audio

Zed Audio

FREQUENCY RESPONSE

08/08/17 09:24:20



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.Ampl (2-Ch.)	Left	
1	2	Yellow	Solid	1	Anlr.Level B	Left	
2	1	Green	Solid	1	Anlr.Ampl (2-Ch.)	Left	

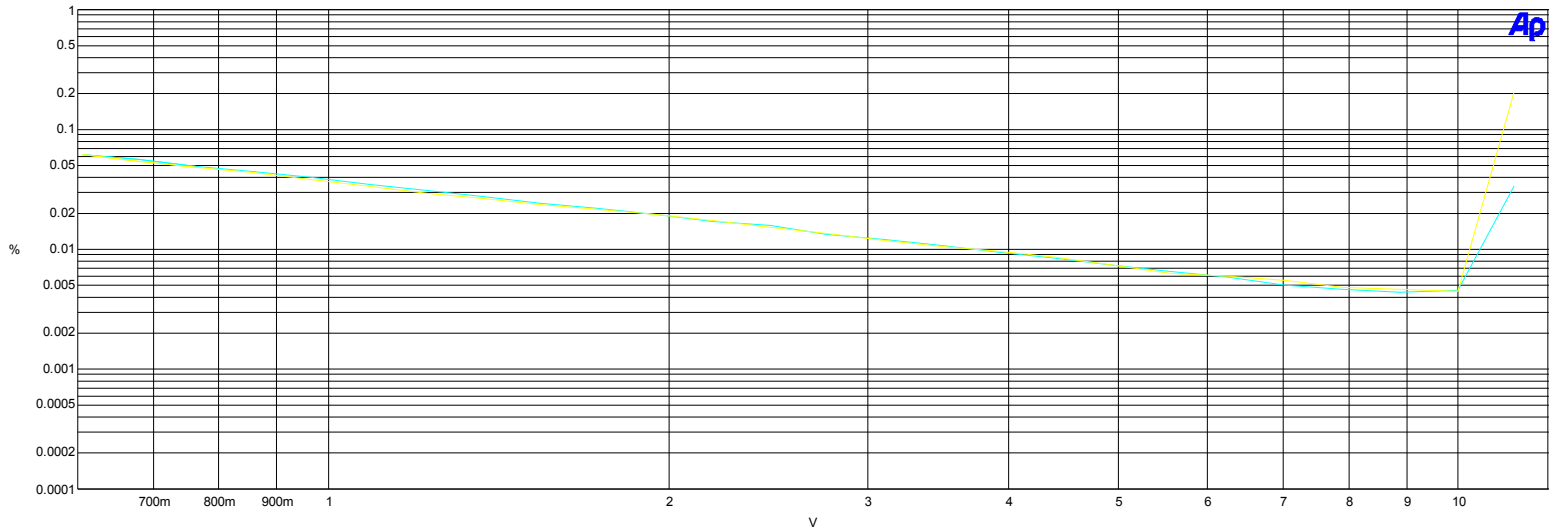
Frequency Response from 10Hz to 200KHz. F4 first to set 0 dB at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

FREQ-RESPONSE.at1

FREQUENCY RESPONSE HIGH LEVEL IN TO MAIN OUT

	0 = Gen.Freq	1 = Anlr.Ampl (2-0	2 = Anlr.Level B
0	200.000 kHz	-7.870 dBr	-6.116 dBr
1	143.775 kHz	-5.152 dBr	-3.940 dBr
2	103.350 kHz	-3.201 dBr	-2.380 dBr
3	74.3000 kHz	-1.877 dBr	-1.332 dBr
4	53.4000 kHz	-1.067 dBr	-0.689 dBr
5	38.4000 kHz	-0.591 dBr	-0.315 dBr
6	27.6000 kHz	-0.320 dBr	-0.104 dBr
7	19.8350 kHz	-0.171 dBr	+0.016 dBr
8	14.2600 kHz	-0.093 dBr	+0.078 dBr
9	10.2500 kHz	-0.050 dBr	+0.115 dBr
10	7.36750 kHz	-0.024 dBr	+0.126 dBr
11	5.29750 kHz	-0.012 dBr	+0.140 dBr
12	3.80750 kHz	-0.001 dBr	+0.152 dBr
13	2.73750 kHz	+0.002 dBr	+0.154 dBr
14	1.96725 kHz	+0.002 dBr	+0.160 dBr
15	1.41425 kHz	+0.007 dBr	+0.160 dBr
16	1.01650 kHz	+0.005 dBr	+0.160 dBr
17	730.750 Hz	+0.007 dBr	+0.157 dBr
18	525.250 Hz	+0.005 dBr	+0.160 dBr
19	377.500 Hz	+0.005 dBr	+0.160 dBr
20	271.500 Hz	+0.002 dBr	+0.157 dBr
21	195.125 Hz	+0.002 dBr	+0.157 dBr
22	140.250 Hz	+0.030 dBr	+0.191 dBr
23	100.825 Hz	+0.033 dBr	+0.191 dBr
24	72.4750 Hz	+0.025 dBr	+0.174 dBr
25	52.1000 Hz	-0.020 dBr	+0.138 dBr
26	37.4500 Hz	-0.034 dBr	+0.126 dBr
27	26.9250 Hz	-0.053 dBr	+0.109 dBr
28	19.3500 Hz	-0.121 dBr	+0.035 dBr
29	13.9000 Hz	-0.220 dBr	-0.077 dBr
30	10.0000 Hz	-0.410 dBr	-0.297 dBr

FREQUENCY RESPONSE HIGH LEVEL IN TO MAIN OUT - TABULAR



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.TH+N Ratio	Left	
1	3	Yellow	Solid	1	Anlr.TH+N Ratio	Left	

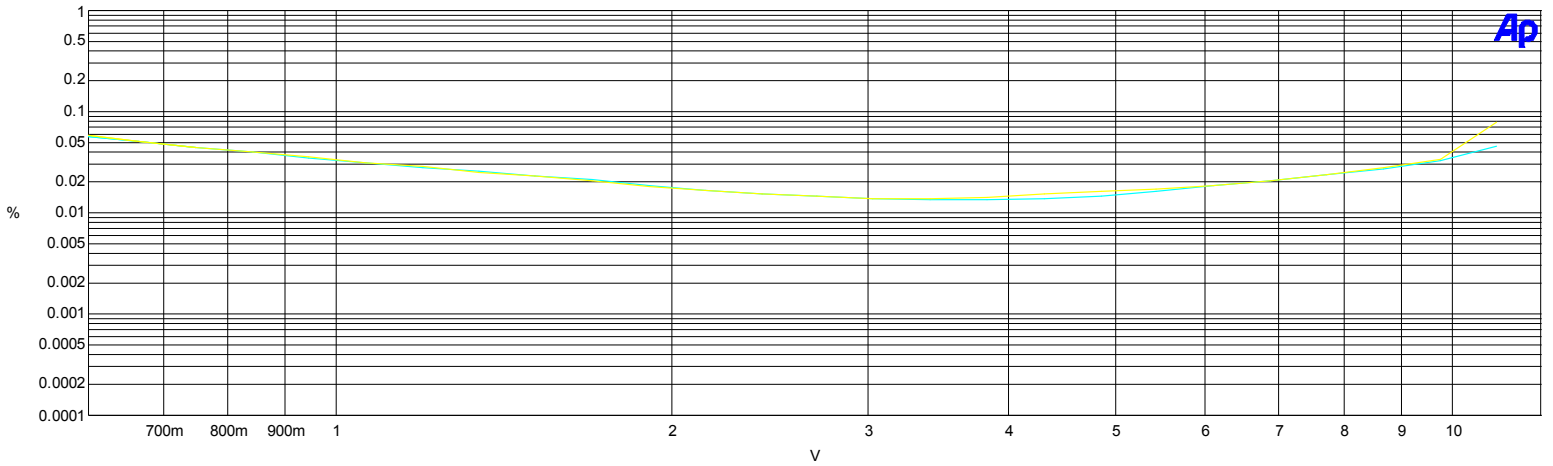
Frequency Response from 20k to 20 Hz. F4 first to set 0 dB at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

THD-Unbalanced.at1

THD HIGH LEVEL INPUT TO MAIN OUTPUTS 20Hz-10KHz

	0 = Gen.Ampl	1 = Anlr.TH+N F	2 = Anlr.Level A	3 = Anlr.TH+N F	4 = Anlr.Level
0	50.00 mVrms	0.06156 %	606.0 mV	0.06208 %	615.2 mV
1	56.19 mVrms	0.05642 %	679.6 mV	0.05391 %	691.5 mV
2	63.16 mVrms	0.04941 %	764.3 mV	0.04813 %	777.4 mV
3	70.98 mVrms	0.04467 %	858.9 mV	0.04356 %	874.4 mV
4	79.77 mVrms	0.03988 %	965.5 mV	0.03796 %	982.6 mV
5	89.68 mVrms	0.03490 %	1.087 V	0.03359 %	1.105 V
6	100.8 mVrms	0.03129 %	1.222 V	0.02940 %	1.242 V
7	113.2 mVrms	0.02743 %	1.370 V	0.02672 %	1.394 V
8	127.3 mVrms	0.02421 %	1.540 V	0.02379 %	1.567 V
9	143.1 mVrms	0.02208 %	1.731 V	0.02134 %	1.762 V
10	160.8 mVrms	0.01945 %	1.948 V	0.01960 %	1.981 V
11	180.7 mVrms	0.01705 %	2.189 V	0.01731 %	2.228 V
12	203.1 mVrms	0.01592 %	2.459 V	0.01539 %	2.504 V
13	228.3 mVrms	0.01340 %	2.756 V	0.01356 %	2.807 V
14	256.6 mVrms	0.01218 %	3.098 V	0.01186 %	3.154 V
15	288.3 mVrms	0.01083 %	3.487 V	0.01059 %	3.549 V
16	324.1 mVrms	0.00936 %	3.918 V	0.00954 %	3.986 V
17	364.3 mVrms	0.00845 %	4.406 V	0.00862 %	4.489 V
18	409.3 mVrms	0.00741 %	4.956 V	0.00736 %	5.042 V
19	460.1 mVrms	0.00660 %	5.561 V	0.00637 %	5.662 V
20	517.1 mVrms	0.00587 %	6.251 V	0.00601 %	6.362 V
21	581.1 mVrms	0.00504 %	7.024 V	0.00547 %	7.151 V
22	653.2 mVrms	0.00464 %	7.899 V	0.00483 %	8.045 V
23	734.0 mVrms	0.00441 %	8.879 V	0.00461 %	9.038 V
24	825.0 mVrms	0.00455 %	9.986 V	0.00446 %	10.18 V
25	927.2 mVrms	0.03372 %	11.20 V	0.20339 %	11.39 V

THD HIGH LEVEL INPUT TO MAIN OUTPUTS 20Hz-10KHz -TABULAR



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.THd+N Ratio	Left	
1	3	Yellow	Solid	1	Anlr.THd+N Ratio	Left	

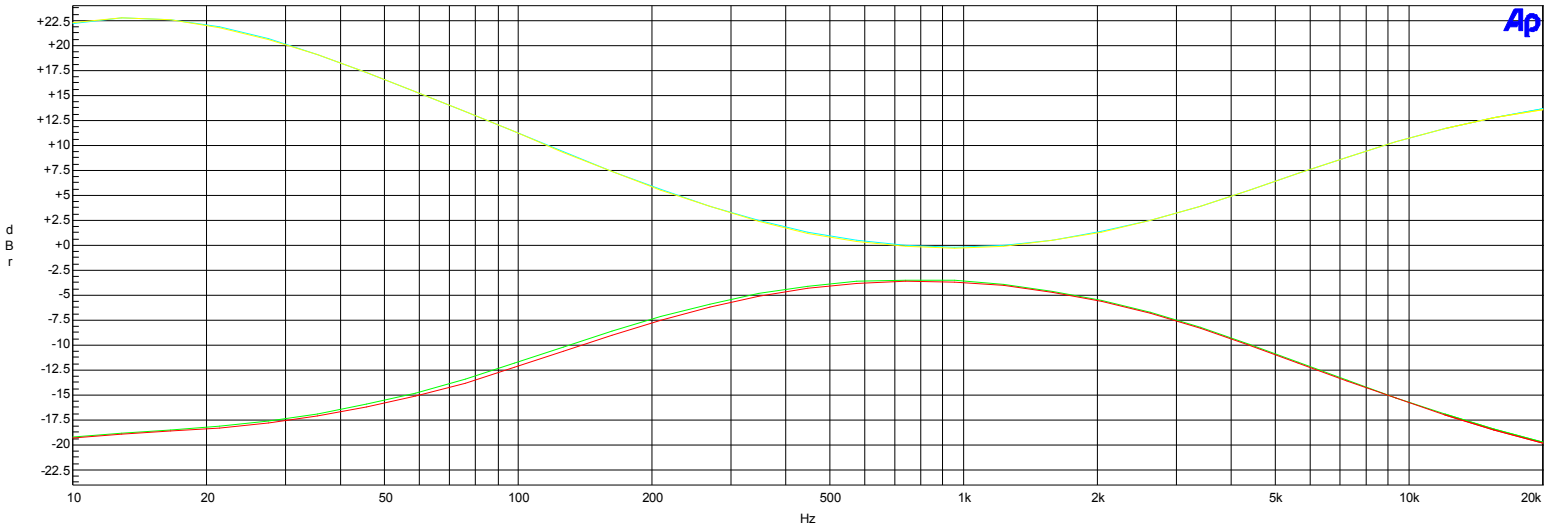
Frequency Response from 20k to 20 Hz. F4 first to set 0 dBr at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

THD-Unbalanced.at1

THD HIGH LEVEL INPUT TO MAIN OUTPUTS 20KHz

	0 = Gen.Ampl	1 = Anlr.THd+N F	2 = Anlr.Level A	3 = Anlr.THd+N F	4 = Anlr.Level
0	50.00 mVrms	0.05655 %	593.5 mV	0.05745 %	605.6 mV
1	56.19 mVrms	0.05061 %	665.7 mV	0.05065 %	681.2 mV
2	63.16 mVrms	0.04442 %	748.4 mV	0.04467 %	765.1 mV
3	70.98 mVrms	0.04006 %	841.8 mV	0.03991 %	860.5 mV
4	79.77 mVrms	0.03481 %	.9456 V	0.03551 %	.9671 V
5	89.68 mVrms	0.03155 %	1.064 V	0.03099 %	1.088 V
6	100.8 mVrms	0.02831 %	1.196 V	0.02857 %	1.223 V
7	113.2 mVrms	0.02567 %	1.343 V	0.02512 %	1.373 V
8	127.3 mVrms	0.02287 %	1.508 V	0.02297 %	1.541 V
9	143.1 mVrms	0.02125 %	1.696 V	0.02079 %	1.734 V
10	160.8 mVrms	0.01890 %	1.907 V	0.01818 %	1.949 V
11	180.7 mVrms	0.01668 %	2.142 V	0.01687 %	2.191 V
12	203.1 mVrms	0.01547 %	2.411 V	0.01539 %	2.463 V
13	228.3 mVrms	0.01451 %	2.698 V	0.01463 %	2.760 V
14	256.6 mVrms	0.01373 %	3.030 V	0.01401 %	3.105 V
15	288.3 mVrms	0.01349 %	3.407 V	0.01372 %	3.488 V
16	324.1 mVrms	0.01363 %	3.830 V	0.01426 %	3.922 V
17	364.3 mVrms	0.01383 %	4.310 V	0.01534 %	4.415 V
18	409.3 mVrms	0.01474 %	4.845 V	0.01639 %	4.966 V
19	460.1 mVrms	0.01646 %	5.433 V	0.01697 %	5.564 V
20	517.1 mVrms	0.01850 %	6.108 V	0.01849 %	6.251 V
21	581.1 mVrms	0.02064 %	6.865 V	0.02086 %	7.027 V
22	653.2 mVrms	0.02367 %	7.718 V	0.02406 %	7.902 V
23	734.0 mVrms	0.02749 %	8.681 V	0.02797 %	8.885 V
24	825.0 mVrms	0.03258 %	9.760 V	0.03383 %	9.989 V
25	.9272 Vrms	0.04537 %	10.96 V	0.07808 %	11.20 V

THD HIGH LEVEL INPUT TO MAIN OUTPUTS 20KHz – TABULAR

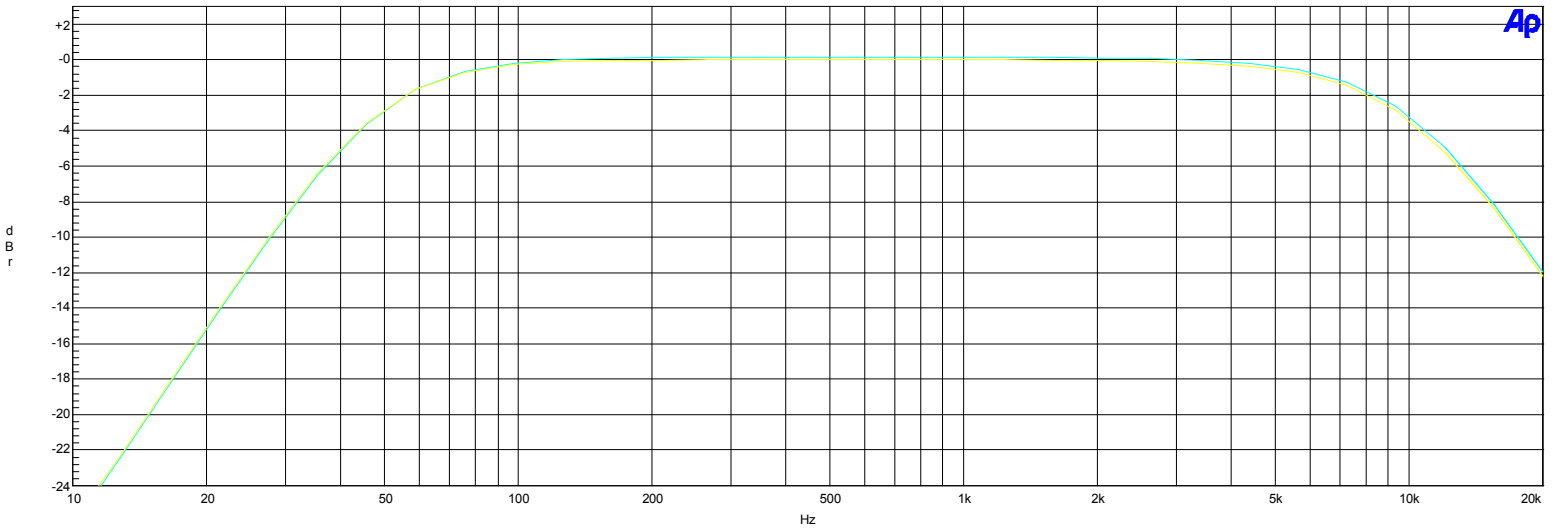


Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.Ampl (2-Ch.)	Left	
1	2	Yellow	Solid	1	Anlr.Level B	Left	
2	1	Green	Solid	1	Anlr.Ampl (2-Ch.)	Left	

Frequency Response from 10Hz to 200KHz. F4 first to set 0 dB at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

FREQ-RESPONSE.at1

BASS AND TREBLE CONTROLS RESPONSE AT BOTH EXTREMES

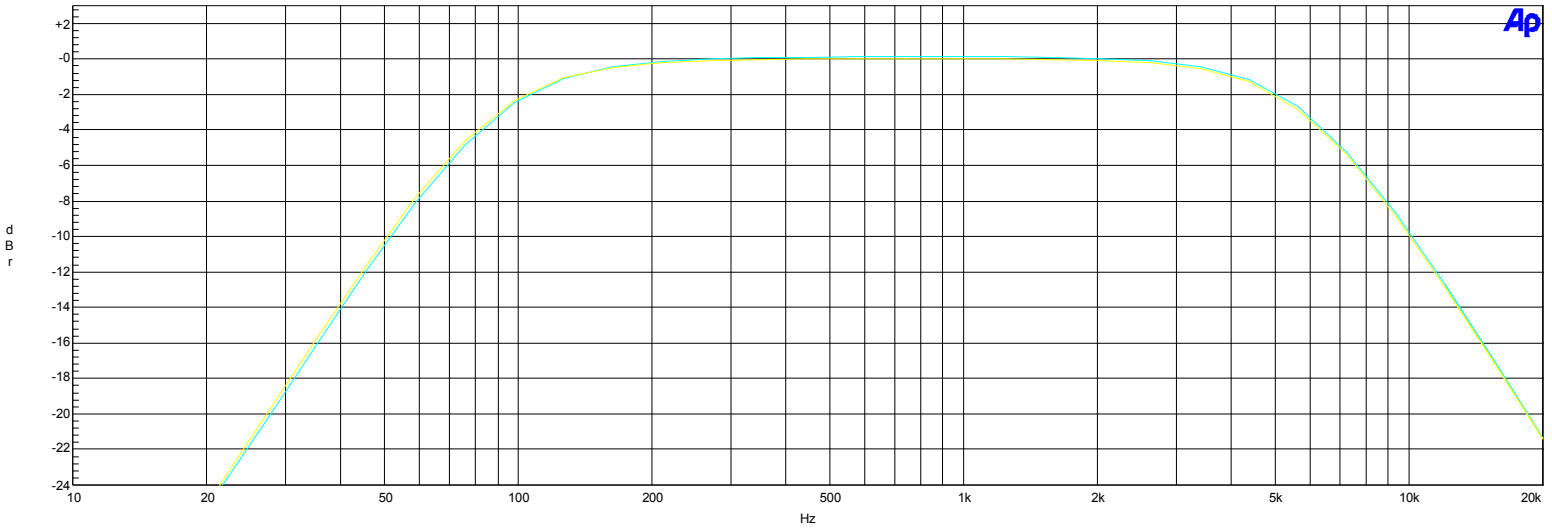


Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.Ampl (2-Ch.)	Left	
1	2	Yellow	Solid	1	Anlr.Level B	Left	

Frequency Response from 10Hz to 200KHz. F4 first to set 0 dB at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

FREQ-RESPONSE.at1

HIGH AND LOW PASS FILTERS SET AT 50Hz AND 9KHz

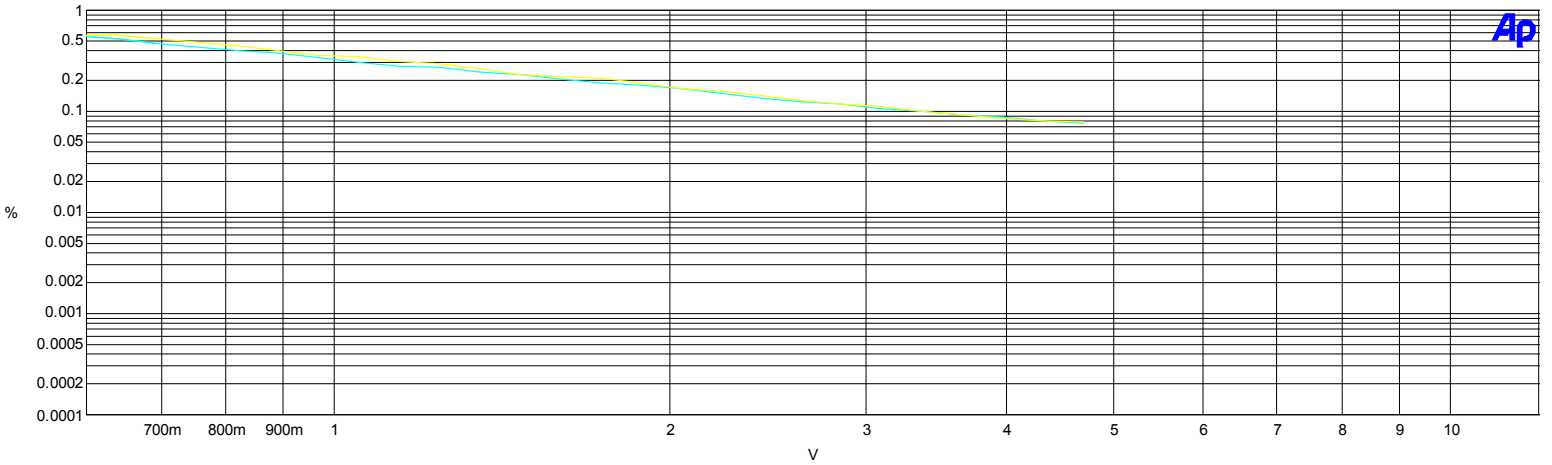


Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.Ampl (2-Ch.)	Left	
1	2	Yellow	Solid	1	Anlr.Level B	Left	

Frequency Response from 10Hz to 200KHz. F4 first to set 0 dBr at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

FREQ-RESPONSE.at1

HIGH AND LOW PASS FILTERS SET AT 100Hz AND 5KHz



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.THd+N Ratio	Left	
1	3	Yellow	Solid	1	Anlr.THd+N Ratio	Left	

Frequency Response from 20k to 20 Hz. F4 first to set 0 dBr at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz & >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

THD-Unbalanced.at1

PHONO INPUT THD AT 1KHz, THD AT LOW OUTPUT DOMINATED BY NOISE

	0 = Gen.Ampl	1 = Anlr.THD+N F	2 = Anlr.Level A	3 = Anlr.THD+N F	4 = Anlr.Level
0	5.000 mVrms	0.56626 %	588.1 mV	0.56780 %	586.5 mV
1	5.435 mVrms	0.52116 %	639.0 mV	0.56110 %	637.8 mV
2	5.905 mVrms	0.47251 %	694.3 mV	0.52741 %	693.1 mV
3	6.416 mVrms	0.43138 %	754.3 mV	0.47848 %	753.1 mV
4	6.973 mVrms	0.40010 %	820.3 mV	0.44382 %	818.0 mV
5	7.579 mVrms	0.38208 %	891.1 mV	0.39989 %	888.7 mV
6	8.235 mVrms	0.33881 %	.9683 V	0.35780 %	.9659 V
7	8.949 mVrms	0.30695 %	1.053 V	0.34328 %	1.050 V
8	9.727 mVrms	0.28231 %	1.145 V	0.31566 %	1.142 V
9	10.57 mVrms	0.27591 %	1.242 V	0.29409 %	1.241 V
10	11.49 mVrms	0.24676 %	1.350 V	0.26580 %	1.346 V
11	12.48 mVrms	0.23048 %	1.467 V	0.23098 %	1.463 V
12	13.57 mVrms	0.20594 %	1.594 V	0.22199 %	1.590 V
13	14.74 mVrms	0.18939 %	1.732 V	0.21284 %	1.728 V
14	16.02 mVrms	0.17963 %	1.882 V	0.19324 %	1.878 V
15	17.41 mVrms	0.16518 %	2.046 V	0.16556 %	2.042 V
16	18.92 mVrms	0.14971 %	2.226 V	0.15911 %	2.218 V
17	20.56 mVrms	0.13560 %	2.421 V	0.14223 %	2.412 V
18	22.35 mVrms	0.12326 %	2.620 V	0.12823 %	2.615 V
19	24.28 mVrms	0.11697 %	2.846 V	0.11629 %	2.841 V
20	26.39 mVrms	0.10679 %	3.094 V	0.11017 %	3.087 V
21	28.68 mVrms	0.09904 %	3.361 V	0.09914 %	3.358 V
22	31.17 mVrms	0.09243 %	3.657 V	0.09319 %	3.652 V
23	33.87 mVrms	0.08691 %	3.975 V	0.08580 %	3.969 V
24	36.80 mVrms	0.07997 %	4.318 V	0.08060 %	4.315 V
25	40.00 mVrms	0.07730 %	4.694 V	0.07903 %	4.687 V

PHONO INPUT THD AT 1KHz, THD AT LOW OUTPUT DOMINATED BY NOISE

SIGNAL TO NOISE RATIO FOR ANY HIGH LEVEL INPUT REF 2.5v OUT 20-20KHz

MEASURED -102.85dB

SIGNAL TO NOISE RATIO FOR PHONO INPUT BELOW A 10mV INPUT

MEASURED -82dBdB