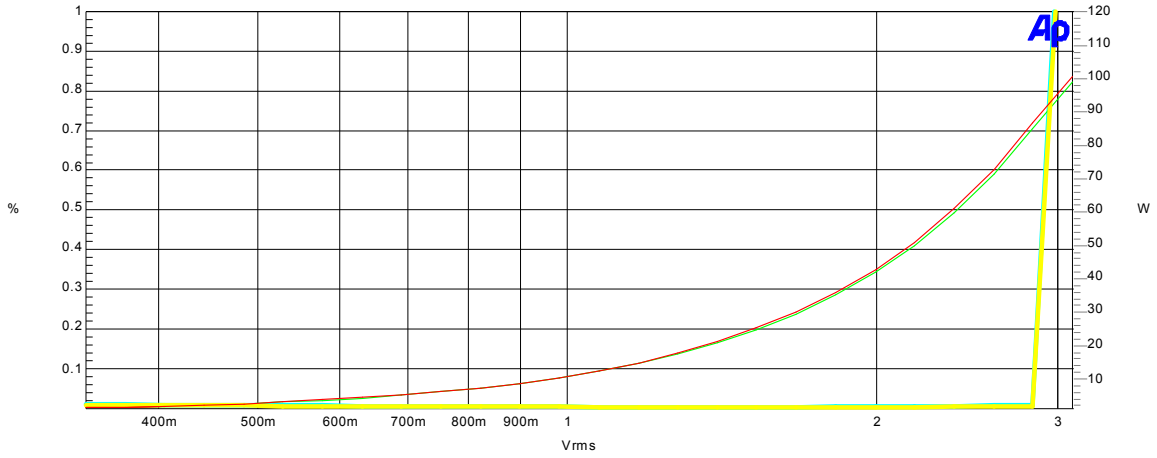


	0 = Gen.Ampl	1 = Anlr.THD+N F	2 = Anlr.Level A	3 = Anlr.THD+N F	4 = Anlr.Level B
0	340.0 mVrms	0.01082 %	1.191 W	0.00866 %	1.159 W
1	371.4 mVrms	0.00991 %	1.426 W	0.00844 %	1.385 W
2	405.8 mVrms	0.00905 %	1.697 W	0.00773 %	1.654 W
3	443.2 mVrms	0.00788 %	2.018 W	0.00732 %	1.961 W
4	484.2 mVrms	0.00721 %	2.408 W	0.00670 %	2.341 W
5	529.0 mVrms	0.00661 %	2.867 W	0.00632 %	2.795 W
6	578.0 mVrms	0.00604 %	3.422 W	0.00578 %	3.334 W
7	631.3 mVrms	0.00554 %	4.081 W	0.00530 %	3.978 W
8	689.6 mVrms	0.00563 %	4.871 W	0.00499 %	4.748 W
9	753.4 mVrms	0.00515 %	5.818 W	0.00469 %	5.662 W
10	823.1 mVrms	0.00472 %	6.930 W	0.00430 %	6.776 W
11	899.1 mVrms	0.00433 %	8.252 W	0.00394 %	8.061 W
12	.9823 Vrms	0.00395 %	9.878 W	0.00360 %	9.640 W
13	1.073 Vrms	0.00362 %	11.78 W	0.00348 %	11.47 W
14	1.172 Vrms	0.00364 %	14.06 W	0.00319 %	13.70 W
15	1.281 Vrms	0.00333 %	16.81 W	0.00292 %	16.35 W
16	1.399 Vrms	0.00333 %	20.10 W	0.00281 %	19.59 W
17	1.528 Vrms	0.00330 %	23.95 W	0.00257 %	23.37 W
18	1.669 Vrms	0.00349 %	28.53 W	0.00259 %	27.85 W
19	1.824 Vrms	0.00341 %	34.04 W	0.00280 %	33.23 W
20	1.992 Vrms	0.00371 %	40.60 W	0.00296 %	39.71 W
21	2.176 Vrms	0.00393 %	48.49 W	0.00343 %	47.26 W
22	2.378 Vrms	0.00490 %	57.85 W	0.00463 %	56.51 W
23	2.598 Vrms	0.00523 %	69.20 W	0.00515 %	67.41 W
24	2.838 Vrms	0.00603 %	82.31 W	0.00609 %	80.48 W
25	3.100 Vrms	1.06589 %	97.00 W	0.76672 %	95.13 W

The above table is a tabular version of the above graphs

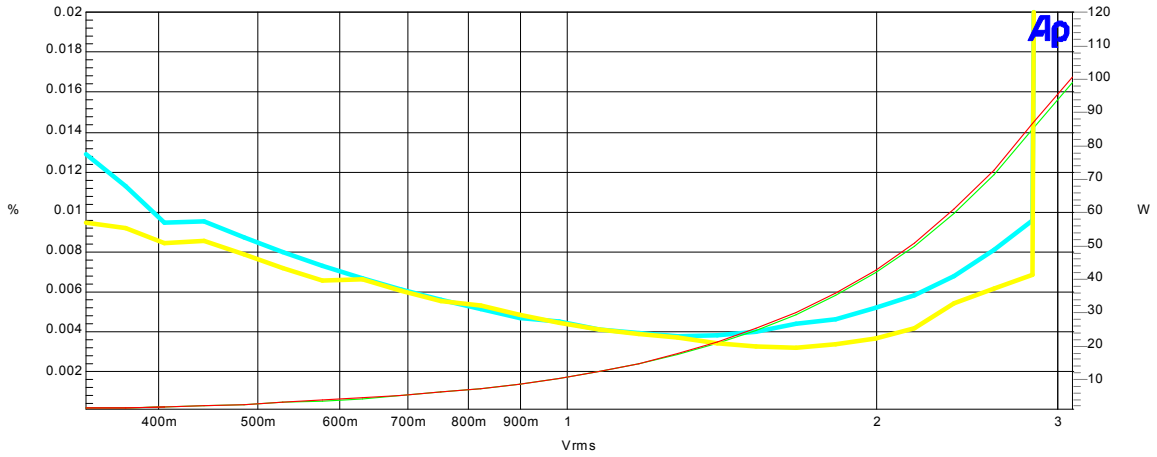
The 1% THD power is just at the onset of clipping.

Note All FOUR channels are being driven during this test. Chs 3+4 data is shown below



Color	Line Style	Thick	Data	Axis
Cyan	Solid	4	Anlr.THd+N Ratio	Left
Green	Solid	1	Anlr.Level A	Right
Yellow	Solid	4	Anlr.THd+N Ratio	Left

THD.at1

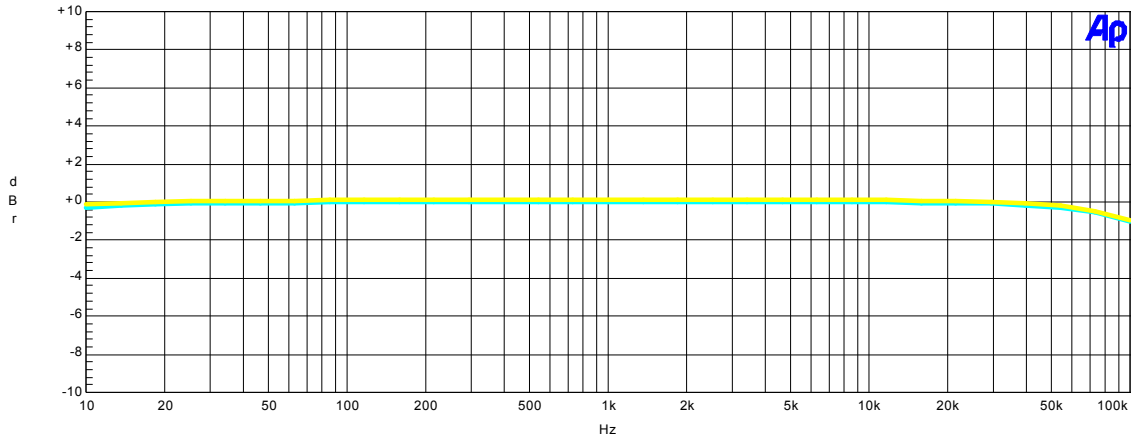


Color	Line Style	Thick	Data	Axis
Cyan	Solid	4	Anlr.THd+N Ratio	Left
Green	Solid	1	Anlr.Level A	Right
Yellow	Solid	4	Anlr.THd+N Ratio	Left

EXPANDED SCALE OF CHs 3+4 THD

THD.at1

	0 = Gen.Ampl	1 = Anlr.THD+N F	2 = Anlr.Level A	3 = Anlr.THD+N F	4 = Anlr.Level B
19	787.4 mVrms	0.00486 %	6.542 W	0.00531 %	6.615 W
20	823.1 mVrms	0.00466 %	7.124 W	0.00509 %	7.217 W
21	860.2 mVrms	0.00446 %	7.775 W	0.00509 %	7.872 W
22	899.1 mVrms	0.00426 %	8.491 W	0.00508 %	8.593 W
23	.9398 Vrms	0.00408 %	9.268 W	0.00507 %	9.404 W
24	.9823 Vrms	0.00390 %	10.14 W	0.00504 %	10.27 W
25	1.027 Vrms	0.00392 %	11.09 W	0.00520 %	11.21 W
26	1.073 Vrms	0.00375 %	12.10 W	0.00515 %	12.24 W
27	1.122 Vrms	0.00376 %	13.24 W	0.00543 %	13.41 W
28	1.172 Vrms	0.00359 %	14.45 W	0.00585 %	14.62 W
29	1.225 Vrms	0.00344 %	15.79 W	0.00622 %	16.00 W
30	1.281 Vrms	0.00344 %	17.26 W	0.00654 %	17.46 W
31	1.339 Vrms	0.00343 %	18.92 W	0.00682 %	19.16 W
32	1.399 Vrms	0.00382 %	20.69 W	0.00707 %	20.93 W
33	1.462 Vrms	0.00366 %	22.59 W	0.00779 %	22.89 W
34	1.528 Vrms	0.00350 %	24.67 W	0.00845 %	24.99 W
35	1.598 Vrms	0.00383 %	27.00 W	0.00950 %	27.35 W
36	1.669 Vrms	0.00413 %	29.35 W	0.01002 %	29.73 W
37	1.745 Vrms	0.00439 %	32.06 W	0.01091 %	32.46 W
38	1.824 Vrms	0.00462 %	35.05 W	0.01230 %	35.50 W
39	1.906 Vrms	0.00482 %	38.28 W	0.01357 %	38.80 W
40	1.992 Vrms	0.00519 %	41.87 W	0.01602 %	42.36 W
41	2.083 Vrms	0.00533 %	45.70 W	0.01862 %	46.26 W
42	2.176 Vrms	0.00563 %	49.87 W	0.02588 %	50.46 W
43	2.275 Vrms	0.00606 %	54.56 W	0.14485 %	54.94 W
44	2.378 Vrms	0.00660 %	59.56 W	0.14000 %	59.95 W
45	2.485 Vrms	0.00739 %	65.19 W	0.13456 %	65.49 W
46	2.598 Vrms	0.00766 %	71.23 W	0.13526 %	71.50 W
47	2.715 Vrms	0.00833 %	77.54 W	0.13054 %	78.04 W
48	2.838 Vrms	0.00985 %	84.76 W	0.12098 %	85.46 W
49	2.966 Vrms	0.38571 %	92.42 W	0.41770 %	92.91 W
50	3.100 Vrms	1.80858 %	98.76 W	1.77888 %	99.52 W

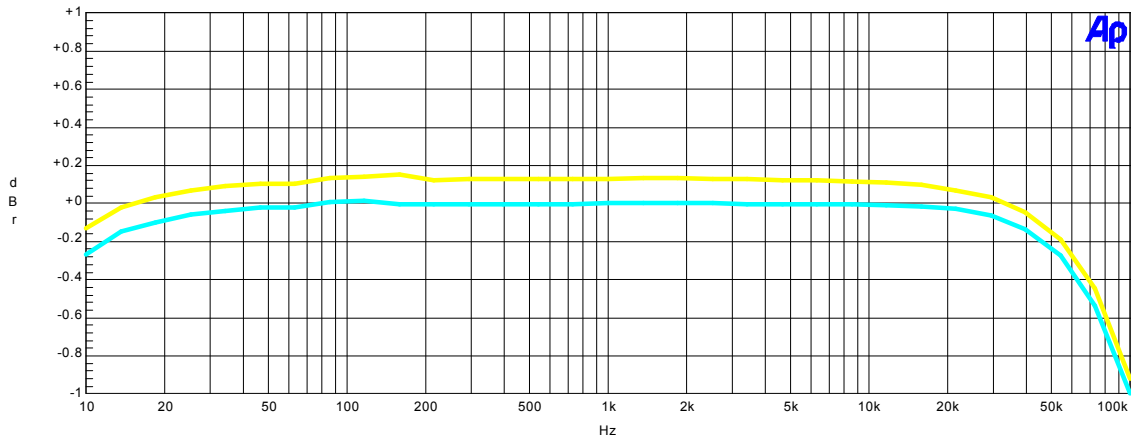


Color	Line Style	Thick	Data	Axis
Cyan	Solid	1	Anlr.Ampl	Left
Yellow	Solid	1	Anlr.Ampl	Left

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.

FREQ-RESPONSE.at1

The next graph is an expanded version of the graph above.



Color	Line Style	Thick	Data	Axis
Cyan	Solid	1	Anlr.Ampl	Left
Yellow	Solid	1	Anlr.Ampl	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.

FREQ-RESPONSE.at1

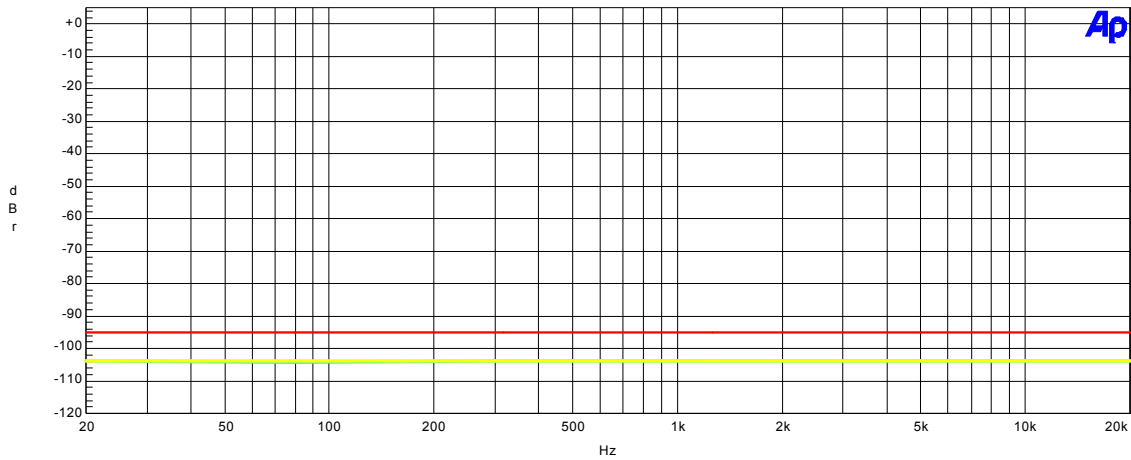
Note the channel balance is about 0.1dB
The response of channels 3+4 is identical so I do not show them.

	0 = Gen.Freq	1 = Anlr.Ampl	2 = Anlr.Ampl
0	100.000 kHz	-1.007 dBr	-0.925 dBr
1	73.5750 kHz	-0.536 dBr	-0.451 dBr
2	54.1250 kHz	-0.277 dBr	-0.191 dBr
3	39.8000 kHz	-0.137 dBr	-0.049 dBr
4	29.2750 kHz	-0.066 dBr	+0.028 dBr
5	21.5500 kHz	-0.029 dBr	+0.068 dBr
6	15.8500 kHz	-0.015 dBr	+0.094 dBr
7	11.6600 kHz	-0.012 dBr	+0.108 dBr
8	8.57750 kHz	-0.009 dBr	+0.114 dBr
9	6.31000 kHz	-0.009 dBr	+0.121 dBr
10	4.64250 kHz	-0.009 dBr	+0.121 dBr
11	3.41500 kHz	-0.005 dBr	+0.124 dBr
12	2.51250 kHz	-0.002 dBr	+0.127 dBr
13	1.84775 kHz	-0.002 dBr	+0.134 dBr
14	1.35925 kHz	+0.001 dBr	+0.131 dBr
15	1.00000 kHz	-0.002 dBr	+0.127 dBr
16	735.750 Hz	-0.005 dBr	+0.127 dBr
17	541.250 Hz	-0.005 dBr	+0.127 dBr
18	398.000 Hz	-0.005 dBr	+0.124 dBr
19	292.750 Hz	-0.005 dBr	+0.127 dBr
20	215.500 Hz	-0.009 dBr	+0.117 dBr
21	158.500 Hz	-0.005 dBr	+0.147 dBr
22	116.600 Hz	+0.015 dBr	+0.137 dBr
23	85.7750 Hz	+0.005 dBr	+0.134 dBr
24	63.1000 Hz	-0.026 dBr	+0.101 dBr
25	46.4250 Hz	-0.026 dBr	+0.104 dBr
26	34.1500 Hz	-0.044 dBr	+0.093 dBr
27	25.1250 Hz	-0.062 dBr	+0.067 dBr
28	18.4750 Hz	-0.105 dBr	+0.029 dBr
29	13.6000 Hz	-0.152 dBr	-0.022 dBr
30	10.0000 Hz	-0.268 dBr	-0.131 dBr

The table above is the frequency response numbers in tabular form. The L hand column is Freq, the middle is ch1 and the right ch 2

The channel balance can be seen clearly and is about 0.1dB over most of the freq. Range.

The response at 1 watt will not be much different from the 70w.



Color	Line Style	Thick	Data	Axis
Cyan	Solid	1	Anlr.Ampl	Left
Yellow	Solid	1	Anlr.Ampl	Left
Red	Solid	2	Data 1/3 upperlimit	Left

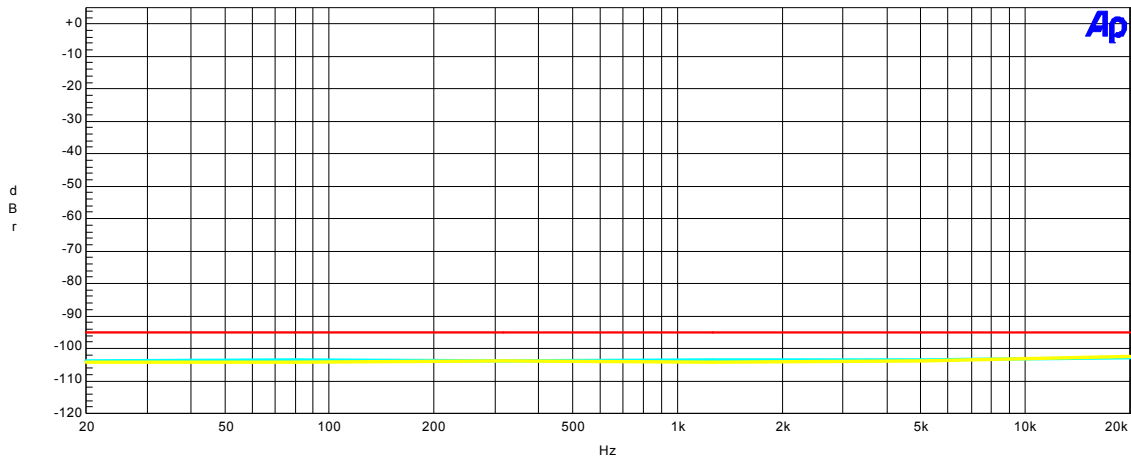
Frequency Response from 20k to 20 Hz. F4 first to set 0 dBr at 1kHz. The 2 Ch Ampl Function Reading meter BW is set to <10 Hz >500kHz so the bandwidth is the same as the Level meter. Optimize for detail.

DRACONIA-NOISE.at1

The file limit is -95dB and measured is about -104dB

	0 = Gen.Freq	1 = Anlr.Ampl	2 =
0	20.0000 Hz	-103.936 dBr	-11
1	79.6250 Hz	-104.311 dBr	-11
2	317.000 Hz	-103.814 dBr	-11
3	1.26200 kHz	-103.814 dBr	-11
4	5.02500 kHz	-103.814 dBr	-11
5	20.0000 kHz	-103.814 dBr	-11

The table is the noise for chs 3+4



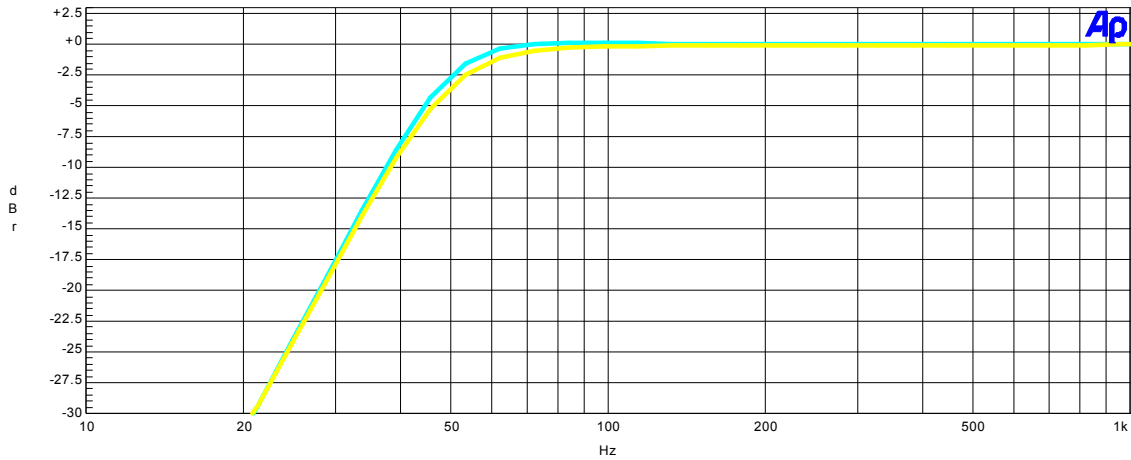
Color	Line Style	Thick	Data	Axis
Cyan	Solid	3	Anlr.Ampl	Left
Yellow	Solid	3	Anlr.Ampl	Left
Red	Solid	2	Data 1/3 upperlimit	Left

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.

DRACONIA-NOISE.at1

	0 = Gen.Freq	1 = Anlr.Ampl	2 =
0	20.0000 Hz	-103.694 dBr	-11
1	79.6250 Hz	-103.345 dBr	-11
2	317.000 Hz	-103.814 dBr	-11
3	1.26200 kHz	-103.345 dBr	-11
4	5.02500 kHz	-103.345 dBr	-11
5	20.0000 kHz	-102.899 dBr	-11

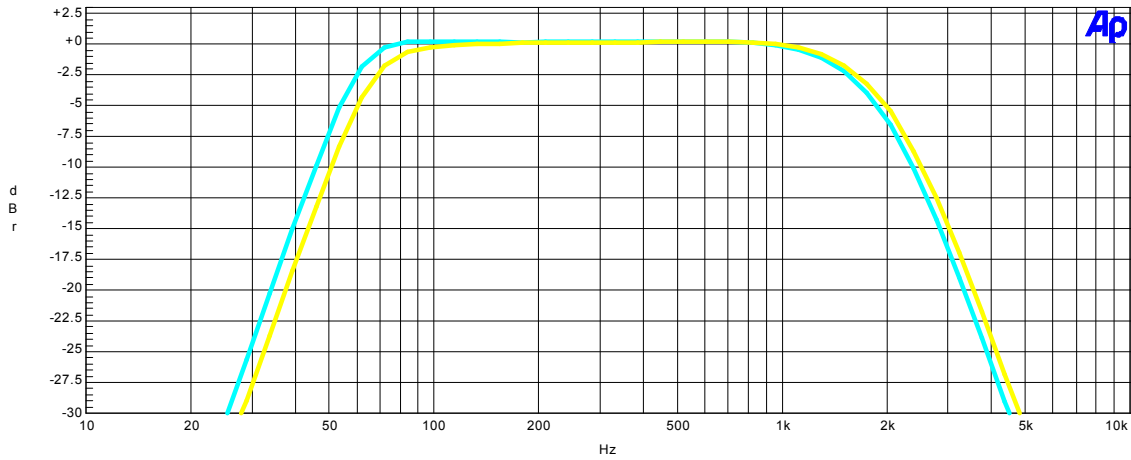
The graph and table above is the noise for chs 1+2



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

FREQ-RESPONSE.at1

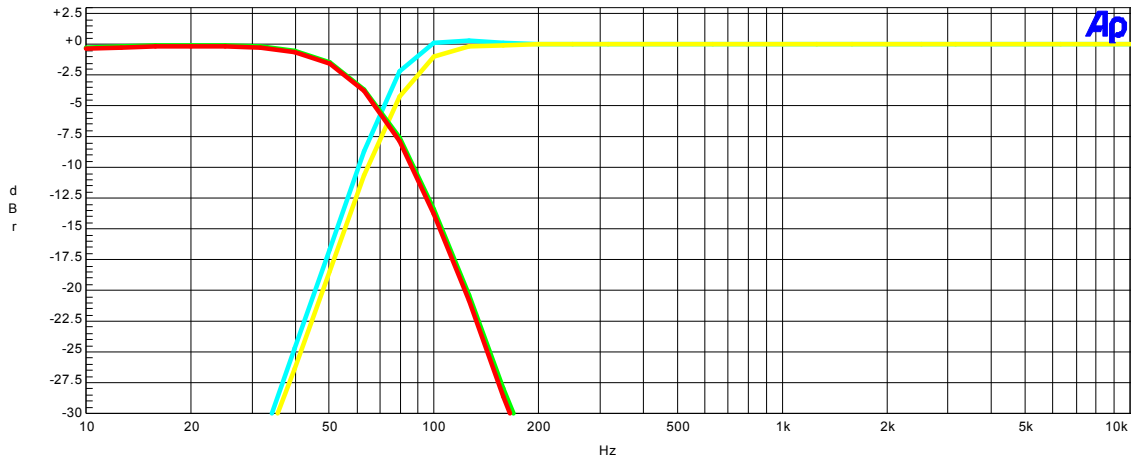


Color	Line Style	Thick	Data	Axis
Cyan	Solid	4	Anlr.Ampl (2-Ch.)	Left
Yellow	Solid	4	Anlr.Level B	Left

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.

FREQ-RESPONSE.at1

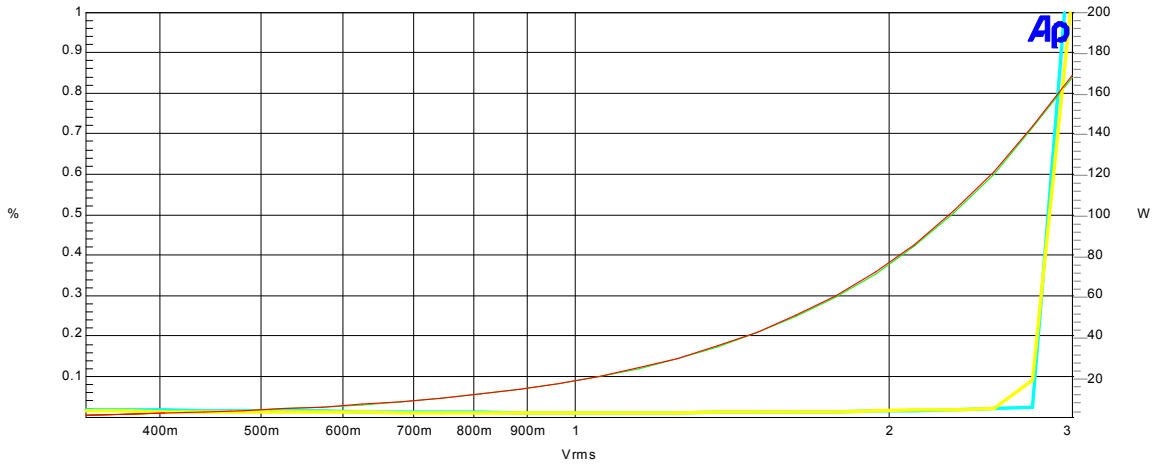
The next graph is a composite high and low pass of channels 3+4 at about 73Hz



Color	Line Style	Thick	Data	Axis
Cyan	Solid	4	Anlr.Ampl (2-Ch.)	Left
Yellow	Solid	4	Anlr.Level B	Left
Green	Solid	4	Anlr.Ampl (2-Ch.)	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.

FREQ-RESPONSE.at1



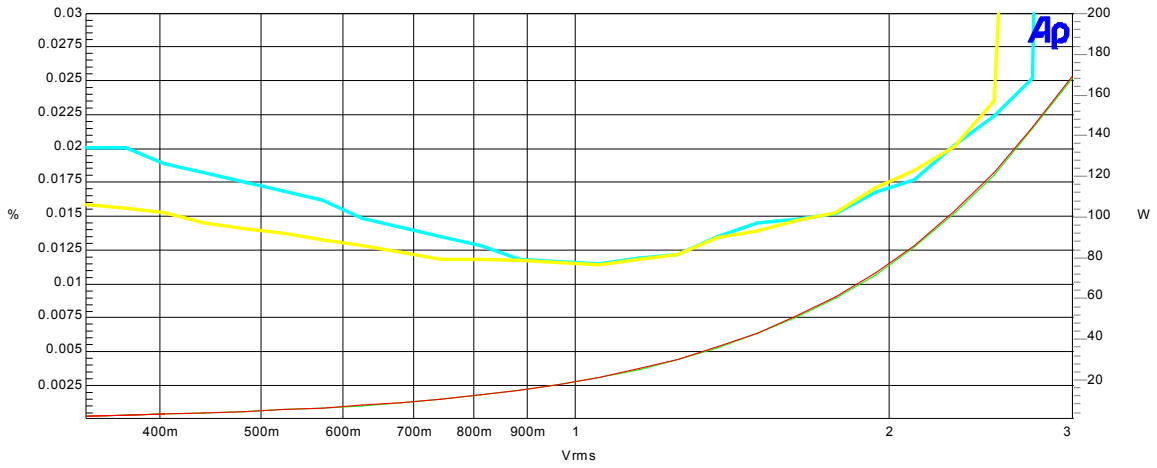
Color	Line Style	Thick	Data	Axis
Cyan	Solid	1	Anlr.THD+N Ratio	Left
Green	Solid	1	Anlr.Level A	Right
Yellow	Solid	1	Anlr.THD+N Ratio	Left

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.at1

This graph is THD of channels 1+2 into 2 ohms but all four channels are driven

The graph below is an expanded version of the above and the table after that is the tabular version.



Color	Line Style	Thick	Data	Axis
Cyan	Solid	1	Anr.TH D+N Ratio	Left
Green	Solid	1	Anr.Level A	Right
Yellow	Solid	1	Anr.TH D+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.

	0 = Gen.Ampl	1 = Anlr.THD+N F	2 = Anlr.Level A	3 = Anlr.THD+N F	4 = Anlr.Level B
0	340.0 mVrms	0.01952 %	2.206 W	0.01591 %	2.224 W
1	361.8 mVrms	0.01889 %	2.501 W	0.01550 %	2.520 W
2	385.1 mVrms	0.01880 %	2.831 W	0.01509 %	2.850 W
3	409.8 mVrms	0.01864 %	3.212 W	0.01463 %	3.244 W
4	436.0 mVrms	0.01758 %	3.609 W	0.01473 %	3.643 W
5	464.0 mVrms	0.01739 %	4.085 W	0.01471 %	4.126 W
6	493.8 mVrms	0.01715 %	4.629 W	0.01382 %	4.673 W
7	525.6 mVrms	0.01612 %	5.239 W	0.01376 %	5.285 W
8	559.2 mVrms	0.01514 %	5.940 W	0.01364 %	5.990 W
9	595.2 mVrms	0.01491 %	6.721 W	0.01282 %	6.779 W
10	633.3 mVrms	0.01465 %	7.612 W	0.01331 %	7.693 W
11	674.0 mVrms	0.01377 %	8.611 W	0.01311 %	8.697 W
12	717.3 mVrms	0.01350 %	9.755 W	0.01232 %	9.847 W
13	763.3 mVrms	0.01268 %	11.06 W	0.01208 %	11.19 W
14	812.3 mVrms	0.01241 %	12.55 W	0.01186 %	12.66 W
15	864.4 mVrms	0.01121 %	14.16 W	0.01209 %	14.28 W
16	.9199 Vrms	0.01053 %	16.01 W	0.01136 %	16.18 W
17	.9790 Vrms	0.01156 %	18.13 W	0.01149 %	18.32 W
18	1.042 Vrms	0.01085 %	20.56 W	0.01080 %	20.77 W
19	1.109 Vrms	0.01165 %	23.30 W	0.01160 %	23.52 W
20	1.180 Vrms	0.01163 %	26.40 W	0.01225 %	26.65 W
21	1.256 Vrms	0.01221 %	29.90 W	0.01279 %	30.20 W
22	1.336 Vrms	0.01326 %	33.99 W	0.01321 %	34.28 W
23	1.422 Vrms	0.01416 %	38.54 W	0.01351 %	38.96 W
24	1.513 Vrms	0.01437 %	43.62 W	0.01378 %	44.00 W
25	1.611 Vrms	0.01451 %	49.38 W	0.01443 %	49.89 W
26	1.714 Vrms	0.01459 %	55.77 W	0.01474 %	56.38 W
27	1.824 Vrms	0.01547 %	63.19 W	0.01562 %	63.84 W
28	1.941 Vrms	0.01621 %	71.54 W	0.01693 %	72.45 W
29	2.066 Vrms	0.01718 %	81.04 W	0.01864 %	81.93 W
30	2.198 Vrms	0.01798 %	91.74 W	0.01972 %	92.69 W
31	2.339 Vrms	0.01932 %	103.8 W	0.02126 %	105.0 W
32	2.489 Vrms	0.02074 %	117.7 W	0.02321 %	118.9 W
33	2.649 Vrms	0.02313 %	133.4 W	0.02723 %	134.8 W
34	2.819 Vrms	0.02691 %	150.7 W	0.09409 %	152.0 W
35	3.000 Vrms	1.34812 %	167.8 W	1.13990 %	169.6 W