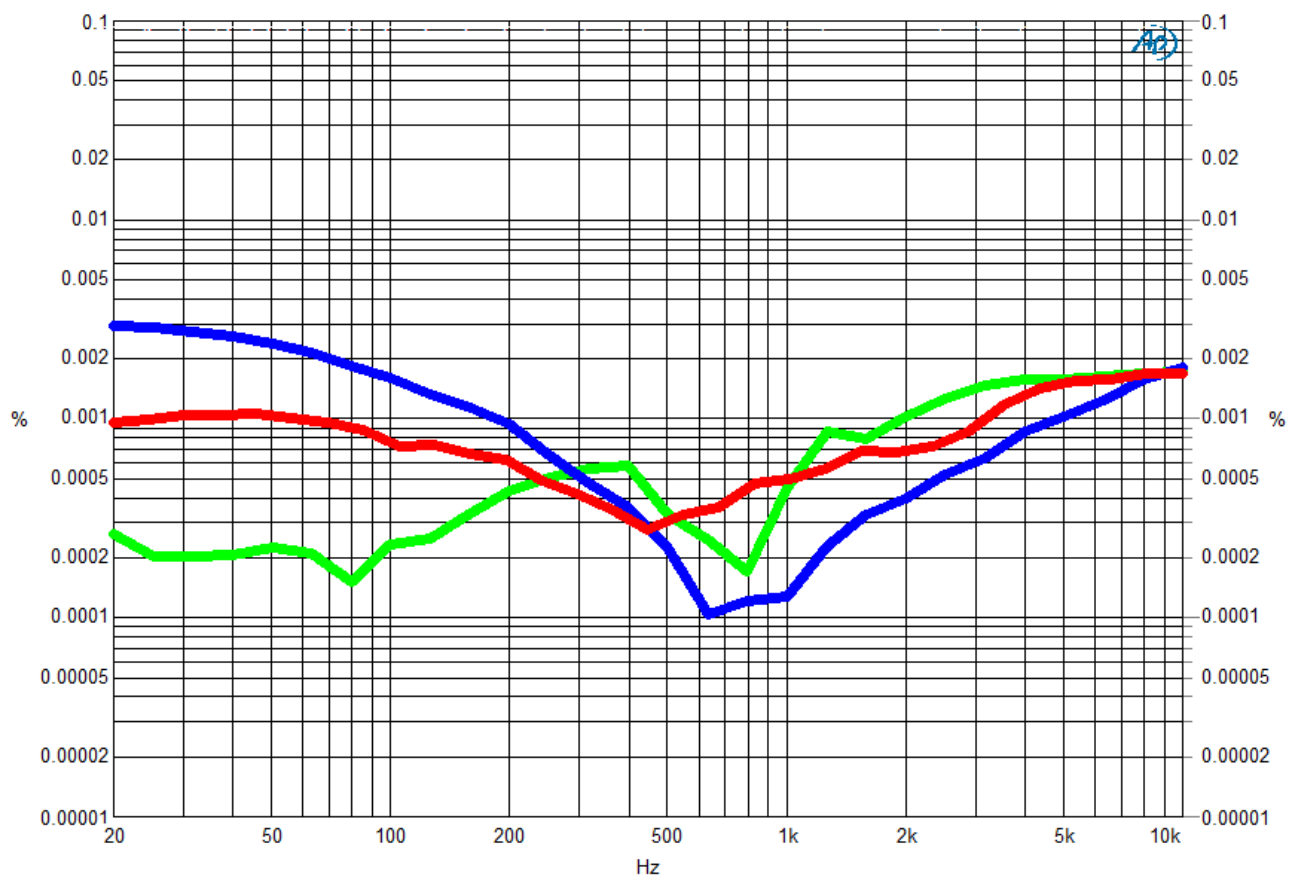


Jeff at TI did perform some measurements on the old EVM to help confirm that this is indeed typical behaviour. First up is this.

Audio Precision

A-A THD+N vs FREQUENCY

09/21/15 19:11:49



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
2	1	Green	Solid	7	Distortion.Ch.1 Harm Sum1 Ratio	Left	24V D2 ref
5	1	Blue	Solid	7	Distortion.Ch.1 Harm Sum1 Ratio	Left	24V D2 PS280 500mR
6	1	Red	Solid	7	Distortion.Ch.1 Harm Sum1 Ratio	Left	24V D2 LaptopBrick

TPA3251D2A0 24V PVDD, 4R BTL w/AUX-0025, AP filter BW is 500KHz, HiRES A/D@SSR

AKITA THD+N VS F VS PS TYPE.at27

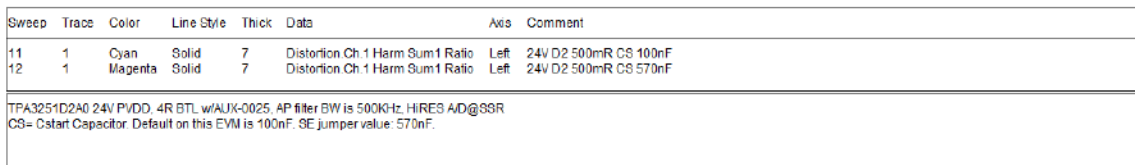
The red line is with the EVM powered from a 19v laptop brick.
The blue line is from a fairly standard bench PSU but with 0.5R of series resistance added.
The green line is with the Agilent bench PSU with remote sensing and shunt being used.

The red line is with the EVM powered from a 19v laptop brick.

The blue line is from a fairly standard bench PSU but with 0.5R of series resistance added.

The green line is with the Agilent bench PSU with remote sensing and shunt being used.

09/22/15 16:30:50



AKITA THD+N VS F VS PS TYPE a127

You can see that the 2nd harmonic is tending towards the same point at low frequencies, but it lowers the point at which it starts to rise.

Audio Precision A-A THD vs FREQUENCY 09/22/15 16:42:57

