

Amplifier measurement

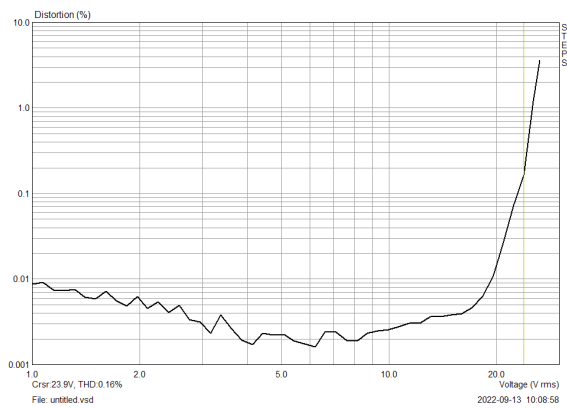
DUT: JCN-JX1-8 #001 / #002 (in brackets)
 Mode: Bias „AB” (300mA) and „A” (800mA)
 Input: Cinch

Max. Power (f=1kHz, H<1%) 70W@8R 120W@4R 135W@2R

P [W]	R [Ohm]	THD @ 1 kHz	IMD 250/8k	IMD 13/14k	IMD 19/20k
1 (2.83V)	8	A: 0.001% (0.0008%) AB: 0.0015% (0.0012%)	A: 0.004% AB: 0.0062%	A: 0.001% AB: 0.0014%	
2 (2.83V)	4	A: 0.0013% (0.0009%) AB: 0.0073% (0.0051%)	A: 0.0047% AB: 0.031%	A: 0.0013% AB: 0.0061%	
4 (2.83V)	2	A: 0.0036% (0.0038%) AB: 0.041% (0.037%)	A: 0.015% AB: 0.18%	A: 0.0024% AB: 0.036%	
25 (14.14V)	8	A: 0.0035% AB: 0.01%	A: 0.012% AB: 0.039%	A: 0.0035% AB: 0.01%	Same as 13/14k
25 (10V)	4	A: 0.0032% AB: 0.028%	A: 0.014% AB: 0.12%	A: 0.0029% AB: 0.025%	
25 (7.07V)	2	A: 0.014% AB: 0.068%	A: 0.071% AB: 0.29%	A: 0.01% AB: 0.064%	
60 (max-1dB)	8	A: 0.066% AB: 0.057%	A: 0.26% AB: 0.23%	A: 0.052% AB: 0.045%	

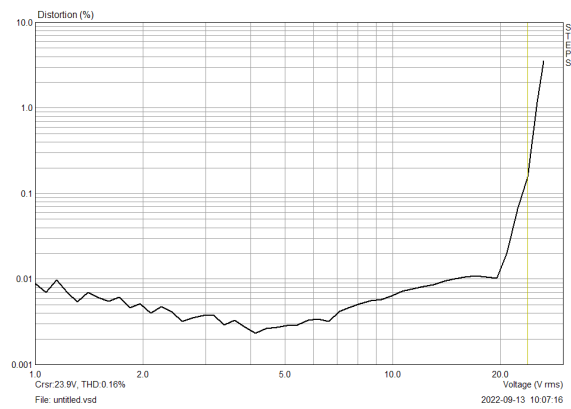
Measurements

THD [%] vs Level [V] – 8R – 1k – A



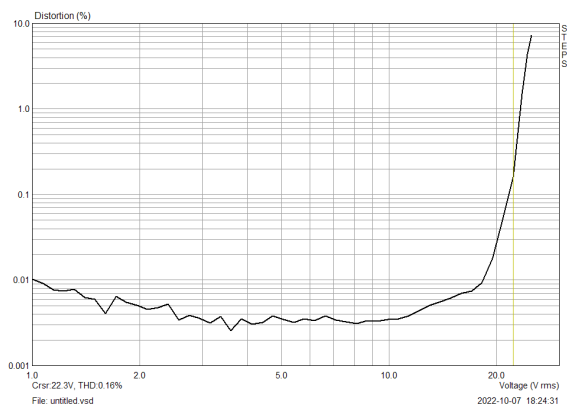
23.9V = 70W@8R

THD [%] vs Level [V] – 8R – 1k – AB



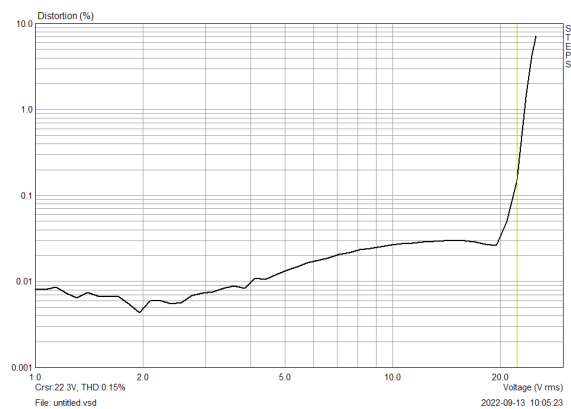
23.9V = 70W@8R

THD [%] vs Level [V] – 4R – 1k – A



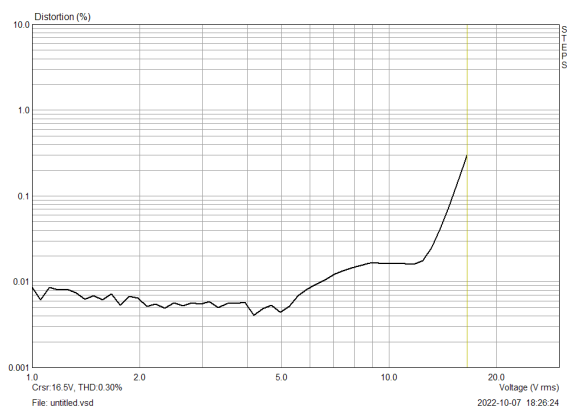
22.3V = 120W@4R

THD [%] vs Level [V] – 4R – 1k – AB



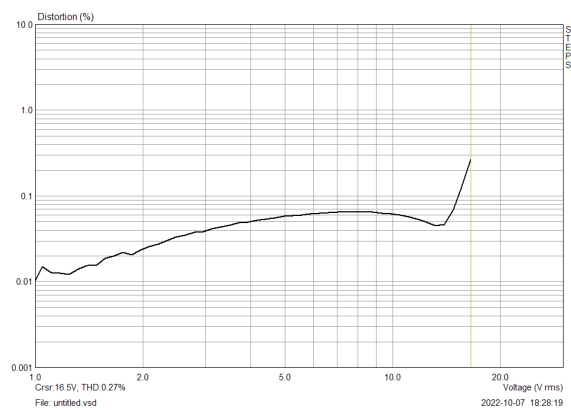
22.3V = 120W@4R

THD [%] vs Level [V] – 2R – 1k – A



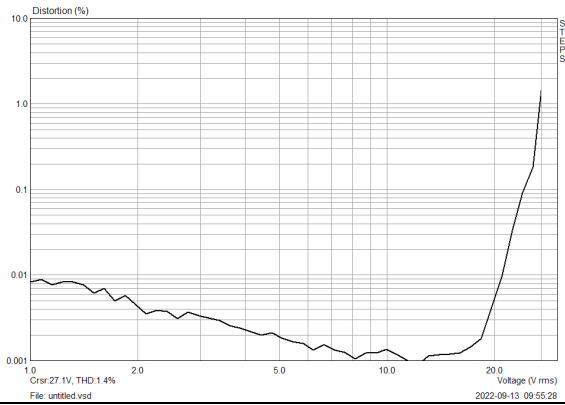
16.5V = 135W@2R

THD [%] vs Level [V] – 2R – 1k – AB

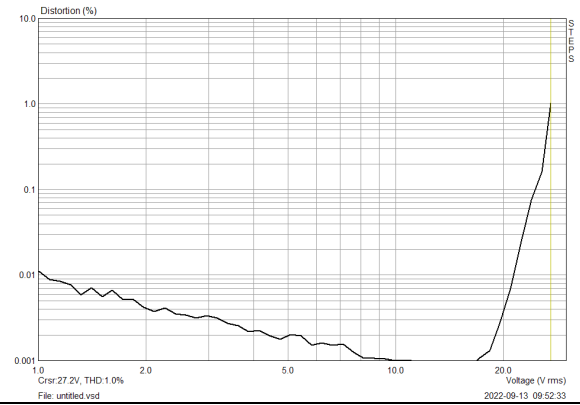


16.5V = 135W@2R

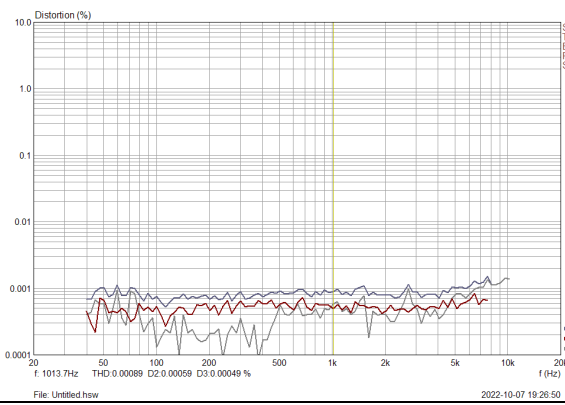
THD [%] vs Level [V] – no load – 1k – A



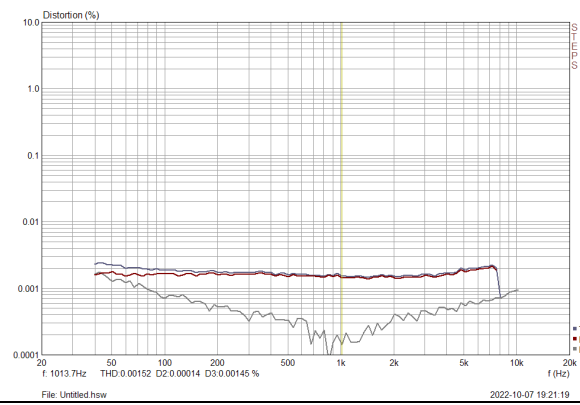
THD [%] vs Level [V] – no load – 1k – AB



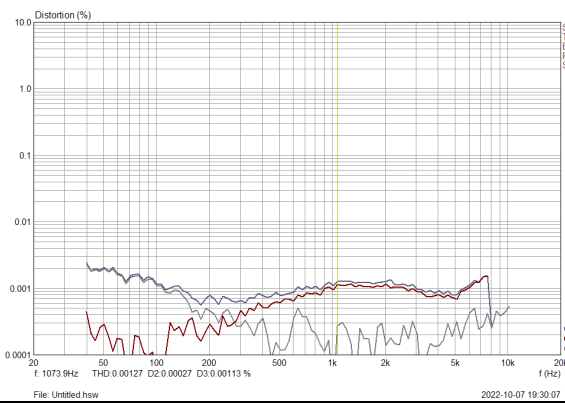
THD [%] vs Frequency – 1W@8R – A



THD [%] vs Frequency – 1W@8R – AB



THD [%] vs Frequency – 2W@4R – A



THD [%] vs Frequency – 2W@4R – AB

