

FOURAUDIO HD2



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Registergericht: Amtsgericht Aachen, HRA 6830
Umsatzst. ID DE254820401

Persönlich haftende Gesellschafterin:

Four Audio Verwaltungsgesellschaft mbH
Mozartstr. 17
52064 Aachen
Deutschland

Sitz: Aachen
Registergericht: Amtsgericht Aachen, HRB 14189

Geschäftsführer: Dr.-Ing. Rainer Thaden

Type: HD2, 6 inputs to 8 outputs, 19" including user interface
 SN: 0121
 Tested: 4/9/07 AG

analog Inputs: 6
 analog Outputs: 8
 digital Inputs: 3 (2x Opt. 1x AES/EBU)
 digital Outputs: 2 (1x Opt. 1x AES/EBU)

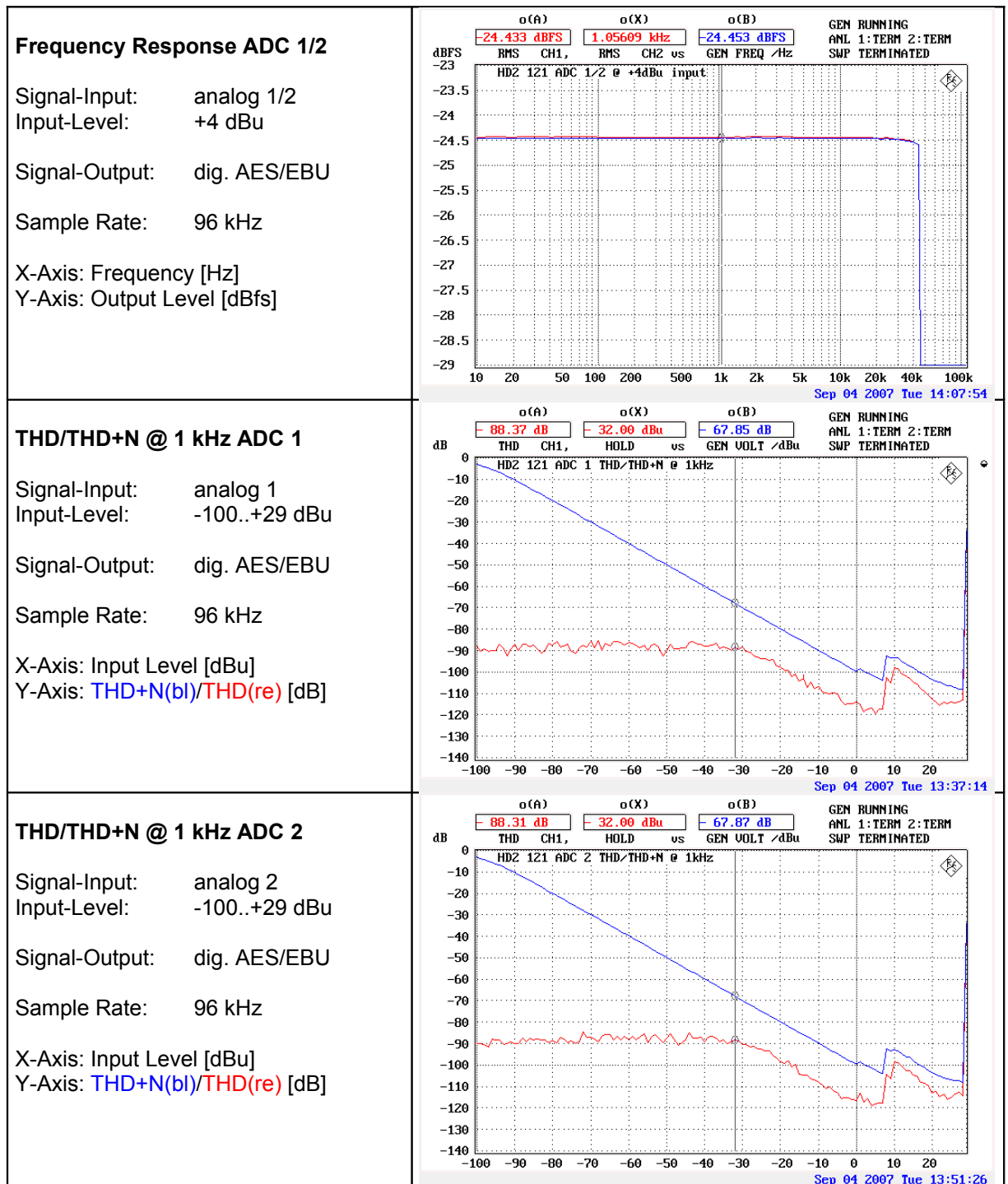
Interfaces: Ethernet, RS232

Analog Inputs: Max. Input Level: +28 dBu
 Dynamic Range (linear weighed): 132 dB
 THD @ +4 dBu input level: -118 dB
 THD @ +21 dBu input level: -110 dB
 DIM100 @ +4 dBu input level: -95 dB
 DIM100 @ +21 dBu input level: -95 dB

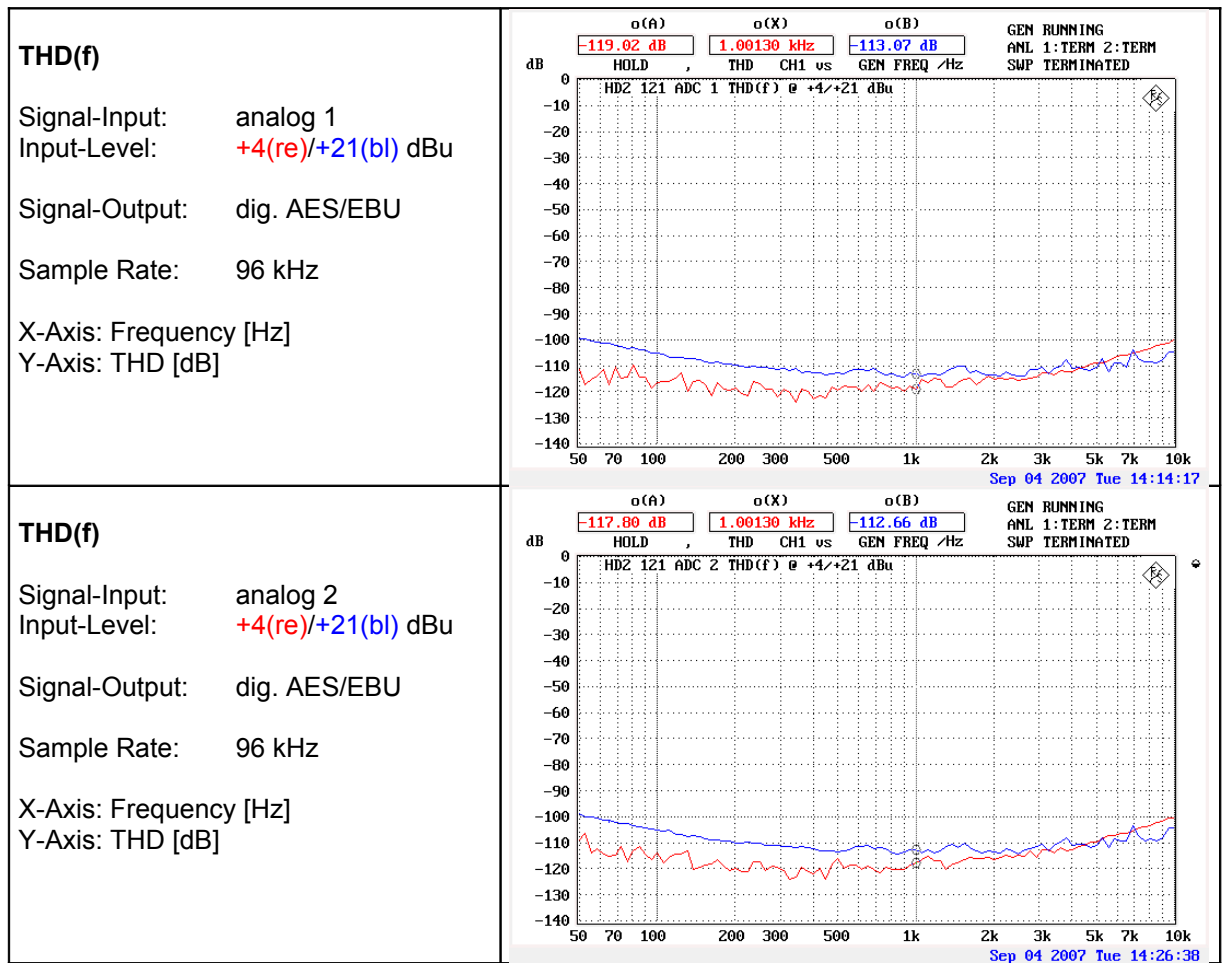
Analog Outputs: Max. Output Level: +18 dBu
 Dynamic Range (linear weighed): 120 dB
 THD @ +4 dBu output level: -105 dB
 THD @ +16 dBu output level: -95 dB
 DIM100 @ +4 dBu output level: -85 dB
 DIM100 @ +16 dBu output level: -85 dB

Digital Inputs: Type: AES/EBU, S/P-DIF, Optical
 Resolution: 24-Bit
 Sample Rate with SRC: 32-192 kHz

Digital Outputs: Type: AES/EBU, S/P-DIF, Optical
 Resolution: 24-Bit
 Sample Rate:: 48/96 kHz

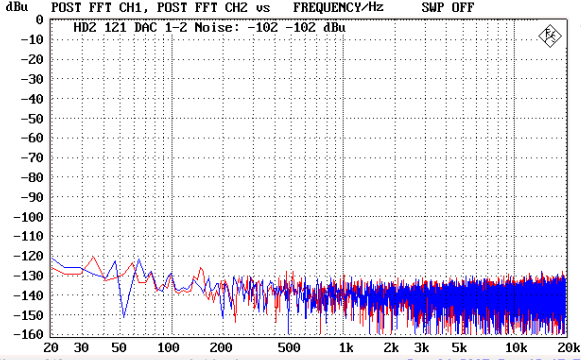
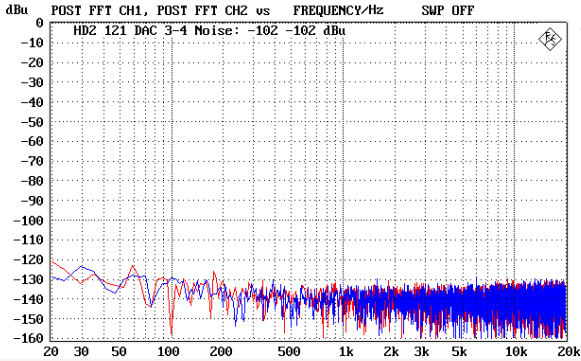
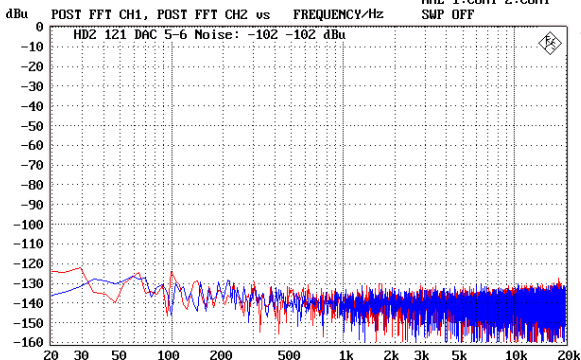
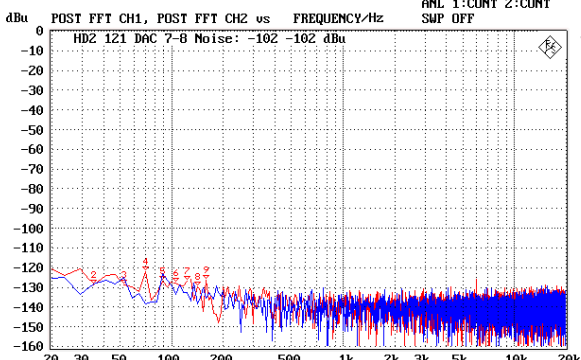


<p>Noise ADC 1/2</p> <p>Signal-Input: analog 1/2 Input-Level: -</p> <p>Signal-Output: dig. AES/EBU</p> <p>Sample Rate: 48 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBfs]</p>	
<p>DIM100 ADC 1/2</p> <p>Signal-Input: analog 1/2 Input-Level: -60..+28 dBu</p> <p>Signal-Output: dig. AES/EBU</p> <p>Sample Rate: 48 kHz</p> <p>X-Axis: Input Level [dBu] Y-Axis: DIM(bl)/DIM(re) [dB]</p>	
<p>THD+N @ 1kHz: ADC 1/2</p> <p>Signal-Input: analog 1/2 Input-Level: +28 dBu</p> <p>Signal-Output: dig. AES/EBU</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: 8k FFT Spectrum</p>	



<p>Frequency Response DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: -12 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu]</p>	<p>o(A) 3.918 dBu RMS CH1, o(X) 1.07490 kHz RMS CH2 vs o(B) 3.604 dBu GEN FREQ /Hz</p> <p>HD2 121 DAC 1-2 @ -12dBfs input</p> <p>Sep 04 2007 Tue 12:19:22</p>
<p>Frequency Response DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: -12 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu]</p>	<p>o(A) 3.847 dBu RMS CH1, o(X) 1.07490 kHz RMS CH2 vs o(B) 3.757 dBu GEN FREQ /Hz</p> <p>HD2 121 DAC 3-4 @ -12dBfs input</p> <p>Sep 04 2007 Tue 12:20:51</p>
<p>Frequency Response DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: -12 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu]</p>	<p>o(A) 3.929 dBu RMS CH1, o(X) 1.07490 kHz RMS CH2 vs o(B) 3.848 dBu GEN FREQ /Hz</p> <p>HD2 121 DAC 5-6 @ -12dBfs input</p> <p>WAIT FOR CAL ANA OFFSET</p>
<p>Frequency Response DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: -12 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu]</p>	<p>o(A) 3.906 dBu RMS CH1, o(X) 1.07490 kHz RMS CH2 vs o(B) 3.825 dBu GEN FREQ /Hz</p> <p>HD2 121 DAC 7-8 @ -12dBfs input</p> <p>Sep 04 2007 Tue 12:23:08</p>

<p>THD @ 1 kHz DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Input Level [dBfs] Y-Axis: THD(Ch1)/THD(Ch2)</p>	
<p>THD @ 1 kHz DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 3/4</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Input Level [dBfs] Y-Axis: THD(Ch3)/THD(Ch4)</p>	
<p>THD @ 1 kHz DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 5/6</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Input Level [dBfs] Y-Axis: THD(Ch5)/THD(Ch6)</p>	
<p>THD @ 1 kHz DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 7/8</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Input Level [dBfs] Y-Axis: THD(Ch7)/THD(Ch8)</p>	

<p>Noise DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: -∞ dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu] (8k FFT)</p>	 <p>GEN RUNNING ANL 1:CONT 2:CONT SWP OFF</p> <p>POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz</p> <p>HD2 121 DAC 1-2 Noise: -102 -102 dBu</p> <p>Use softkey or cursor variation!</p> <p>Sep 04 2007 Tue 13:15:52</p>
<p>Noise DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: -∞ dBfs</p> <p>Signal-Output: analog Output 3/4</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu] (8k FFT)</p>	 <p>GEN RUNNING ANL 1:CONT 2:CONT SWP OFF</p> <p>POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz</p> <p>HD2 121 DAC 3-4 Noise: -102 -102 dBu</p> <p>Use softkey or cursor variation!</p> <p>Sep 04 2007 Tue 13:16:17</p>
<p>Noise DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: -∞ dBfs</p> <p>Signal-Output: analog Output 5/6</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu] (8k FFT)</p>	 <p>GEN RUNNING ANL 1:CONT 2:CONT SWP OFF</p> <p>POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz</p> <p>HD2 121 DAC 5-6 Noise: -102 -102 dBu</p> <p>Use softkey or cursor variation!</p> <p>Sep 04 2007 Tue 13:16:46</p>
<p>Noise DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: -∞ dBfs</p> <p>Signal-Output: analog Output 7/8</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: Output Level [dBu] (8k FFT)</p>	 <p>GEN RUNNING ANL 1:CONT 2:CONT SWP OFF</p> <p>POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz</p> <p>HD2 121 DAC 7-8 Noise: -102 -102 dBu</p> <p>Use softkey or cursor variation!</p> <p>Sep 04 2007 Tue 13:17:24</p>

<p>DIM100 DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: DIM100 [dB]</p>	
<p>DIM100 DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 3/4</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: DIM100 [dB]</p>	
<p>DIM100 DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 5/6</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: DIM100 [dB]</p>	
<p>DIM100 DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: -100..0 dBfs</p> <p>Signal-Output: analog Output 7/8</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: DIM100 [dB]</p>	

<p>THD+N @ 1kHz: DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: 8k FFT Spectrum [dB]</p>	<p>o(A) o(X) o(B) -39.61 dB 0.99902 kHz -40.20 dB POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz HD2 121 DAC 1-2 THD @ 1kHz 0dBfs GEN RUNNING ANL 1:CONT 2:CONT SWP OFF Sep 04 2007 Tue 13:18:15</p>
<p>THD+N @ 1kHz: DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 3/4</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: 8k FFT Spectrum [dB]</p>	<p>o(A) o(X) o(B) -39.62 dB 0.99902 kHz -40.21 dB POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz HD2 121 DAC 3-4 THD @ 1kHz 0dBfs GEN RUNNING ANL 1:CONT 2:CONT SWP OFF Sep 04 2007 Tue 13:18:43</p>
<p>THD+N @ 1kHz: DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 5/6</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: 8k FFT Spectrum [dB]</p>	<p>o(A) o(X) o(B) -39.64 dB 0.99902 kHz -40.22 dB POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz HD2 121 DAC 5-6 THD @ 1kHz 0dBfs GEN RUNNING ANL 1:CONT 2:CONT SWP OFF Sep 04 2007 Tue 13:19:14</p>
<p>THD+N @ 1kHz: DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 7/8</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: 8k FFT Spectrum [dB]</p>	<p>o(A) o(X) o(B) -39.66 dB 0.99902 kHz -40.22 dB POST FFT CH1, POST FFT CH2 vs FREQUENCY/Hz HD2 121 DAC 7-8 THD @ 1kHz 0dBfs GEN RUNNING ANL 1:CONT 2:CONT SWP OFF Sep 04 2007 Tue 13:19:57</p>

<p>THD(f) DAC 1/2</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 1/2</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: THD [dB]</p>	<p>o(A) -97.00 dB, o(X) 1.00130 kHz, o(B) -95.79 dB THD CH1, THD CH2 vs GEN FREQ /Hz HD2 121 DAC 1-2 THD(f) @ 0dBfs GEN RUNNING ANL 1:TERM 2:TERM SWP TERMINATED Sep 04 2007 Tue 12:59:44</p>
<p>THD(f) DAC 3/4</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 3/4</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: THD [dB]</p>	<p>o(A) -104.29 dB, o(X) 1.00130 kHz, o(B) -103.81 dB THD CH1, THD CH2 vs GEN FREQ /Hz HD2 121 DAC 3-4 THD(f) @ 0dBfs GEN RUNNING ANL 1:TERM 2:TERM SWP TERMINATED Sep 04 2007 Tue 13:04:44</p>
<p>THD(f) DAC 5/6</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 5/6</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: THD [dB]</p>	<p>o(A) -104.36 dB, o(X) 1.00130 kHz, o(B) -98.98 dB THD CH1, THD CH2 vs GEN FREQ /Hz HD2 121 DAC 5-6 THD(f) @ 0dBfs GEN RUNNING ANL 1:TERM 2:TERM SWP TERMINATED Sep 04 2007 Tue 13:04:54</p>
<p>THD(f) DAC 7/8</p> <p>Signal-Input: digital AES/EBU Input-Level: 0 dBfs</p> <p>Signal-Output: analog Output 7/8</p> <p>Sample Rate: 96 kHz</p> <p>X-Axis: Frequency [Hz] Y-Axis: THD [dB]</p>	<p>o(A) -101.75 dB, o(X) 1.00130 kHz, o(B) -96.49 dB THD CH1, THD CH2 vs GEN FREQ /Hz HD2 121 DAC 7-8 THD(f) @ 0dBfs GEN RUNNING ANL 1:TERM 2:TERM SWP TERMINATED Sep 04 2007 Tue 13:09:11</p>