

Sequence Report



Summary

Signal Path1

| | |
|--------------------------------|----------|
| Frequency Response | ✓ PASSED |
| Signal to Noise Ratio | ✓ PASSED |
| Signal Analyzer 1kHz | ✓ PASSED |
| Stepped Level Sweep | ✓ PASSED |
| Signal Analyzer 1kHz dual Tone | ✓ PASSED |
| Noise (RMS) | ✓ PASSED |
| Stepped Frequency Sweep | ✓ PASSED |
| DUT Delay | ✓ PASSED |
| Dynamic Range - AES17 | ✓ PASSED |
| Acoustic Response | ✓ PASSED |
| Signal Acquisition | ✓ PASSED |

Sequence Result:

Sequence Result: ✓ PASSED

Signal Path1 : Signal Path Setup

| | |
|---------------------------------|---------------------------------|
| Output Connector: | Analog Balanced |
| Channels: | 1 |
| Generator Mode: | High Performance Sine Generator |
| Configuration: | Normal (Differential) |
| Source Impedance: | 40 ohm |
| AG52 Generator Option: | Installed |
| Output EQ: | None |
| Input Connector: | Analog Balanced |
| Channels: | 1 |
| Channel: | Ch1 |
| Termination: | 200 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input Bandwidth: | AC (<10 Hz) - 90k (192 kHz SR) |
| Device Delay: | 0,000 s |
| Input EQ: | None |
| • References | |
| dBr G: | 100,0 mVrms |
| dBm (Output Power): | 600,0 ohm |
| W(watts) (Output Power): | 8,000 ohm |
| Shared Frequency Reference: | 1,00000 kHz |
| dBrA: | 1,000 Vrms |
| dBrB: | 1,000 Vrms |
| dBrA Offset: | 0,000 dB |
| dBrB Offset: | 0,000 dB |
| dB SPL1: | 10,00 mVrms |
| dB SPL2: | 10,00 mVrms |
| dB SPL1 Calibrator Level: | 94,000 dB SPL |
| dB SPL2 Calibrator Level: | 94,000 dB SPL |
| dBm (Input Power): | 600,0 ohm |
| W(watts) (Input Power): | 8,000 ohm |
| • DCX | |
| DCX is not detected. | |
| • Clocks | |
| Output Rate: | Track Output SR |

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| | |
|---------------------|----------|
| Sync Out Level: | 3,300 V |
| Sync Out Polarity: | Normal |
| Timebase Reference: | Internal |
| Jitter: | Disabled |
| • Triggers | |
| Source: | Off |
| Input Logic Level: | 3,300 V |
| Edge: | Rising |

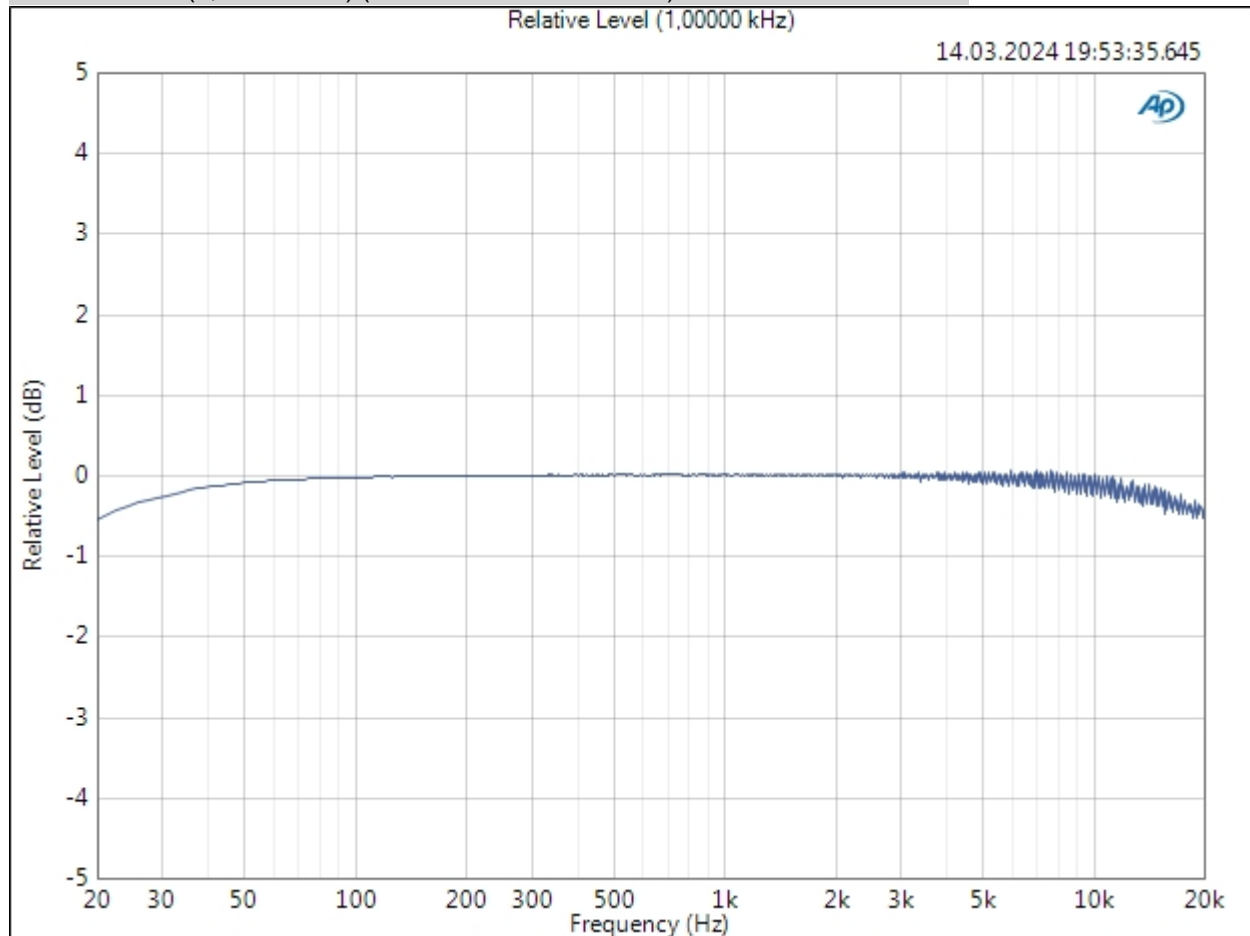
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Signal Path1 : Frequency Response

Start Frequency: 20,0000 Hz
Stop Frequency: 20,0000 kHz
Generator Level: 100,0 mVrms
DC Offset: 0,000 V
EQ: None
Pre-Sweep: 0,000 s
Sweep: 1,000 s
Extend Acquisition By: 50,00 ms
Secondary Source: None
Measured 1 14.03.2024 19:53:35

Relative Level (1,00000 kHz) (14.03.2024 19:53:35.645)



Relative Level (1,00000 kHz) Parameters

Mode: Normalized at Reference

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Ref Frequency: 1,00000 kHz

Result:  PASSED

Signal Path1 : Signal to Noise Ratio

Waveform: Sine
Generator Mode: High Performance Sine Generator
Generator Level: 250,0 mVrms
Frequency: 1,00000 kHz
Low-pass Filter: 20 kHz
Weighting Filter: A-wt.
High-pass Filter: 20 Hz

Signal to Noise Ratio (14.03.2024 19:53:38.214)

Ch1 94,378 dB

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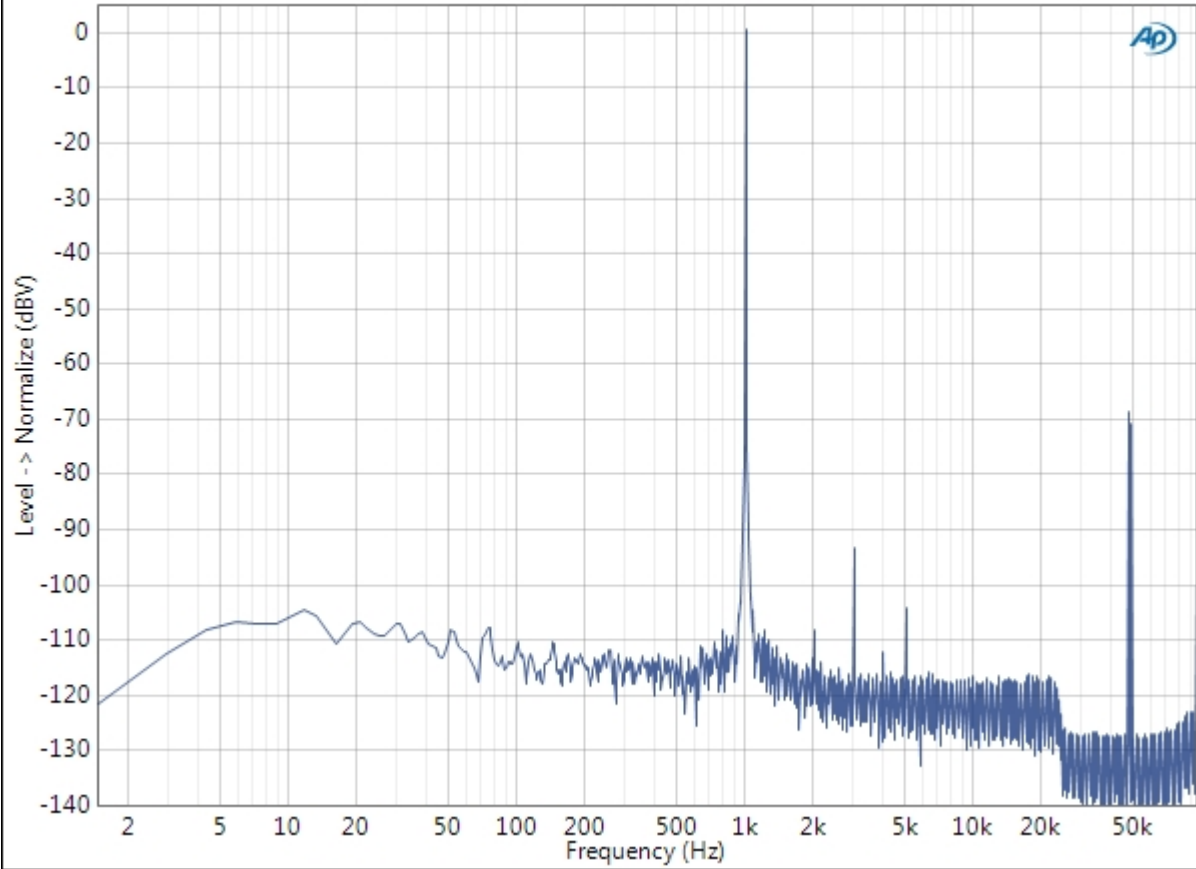


Signal Path1 : Signal Analyzer 1kHz

Waveform: Sine
Generator Mode: High Performance Sine Generator
Generator Level: 100,0 mVrms
Frequency: 1,00000 kHz
Secondary Source: None
Measured 1 14.03.2024 19:53:44
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250,0 ms
Input Bandwidth: Use Signal Path
FFT Length: 128K
Averaging: Power
Averages: 5
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)
FFT Spectrum -> Normalize (14.03.2024 19:53:44.749)

f_x FFT Spectrum -> Normalize

14.03.2024 19:53:44.749



FFT Spectrum -> Normalize Parameters

Mode: Normalize
X Reference: 1,00000 kHz
Source: FFT Spectrum

Result: PASSED

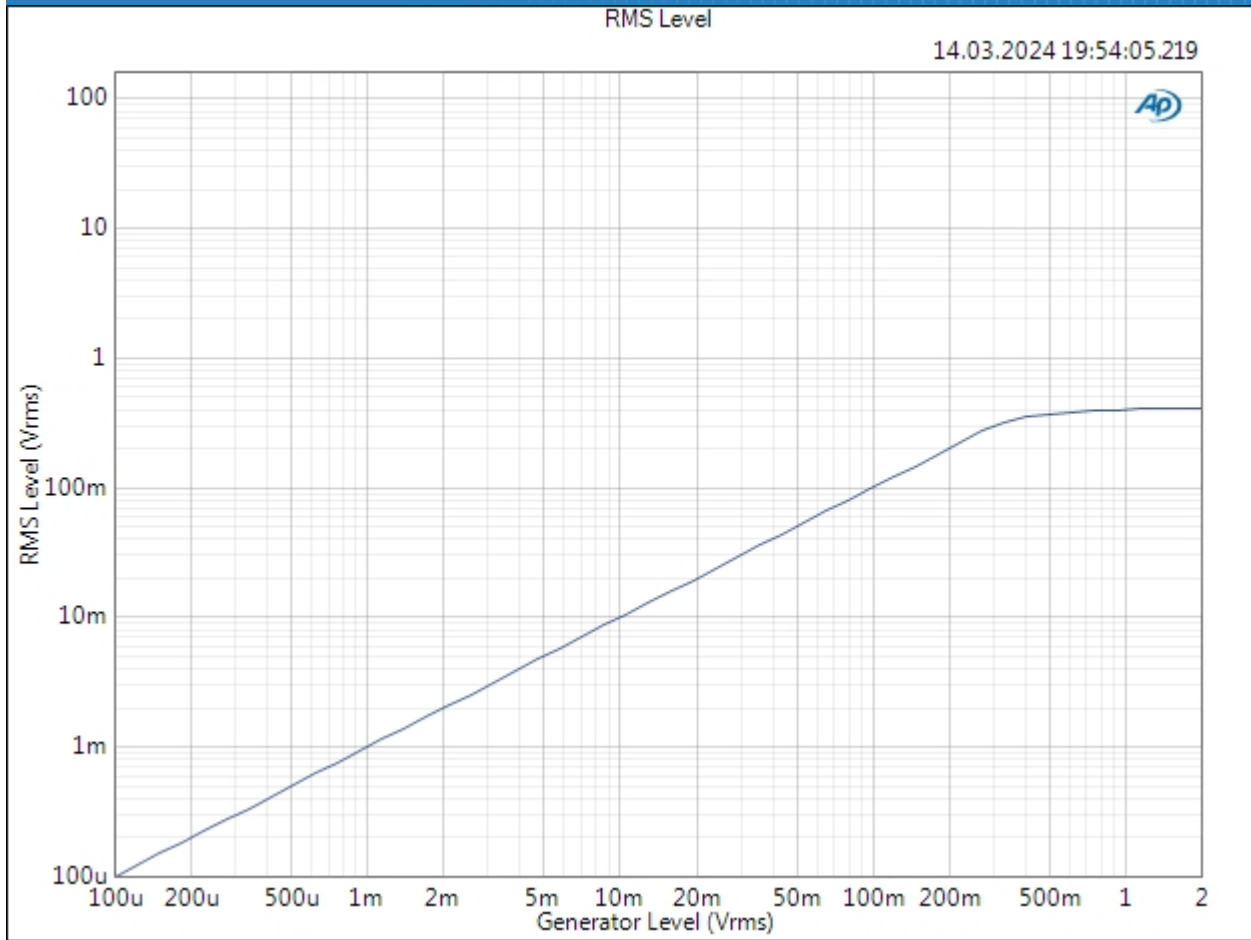
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Signal Path1 : Stepped Level Sweep

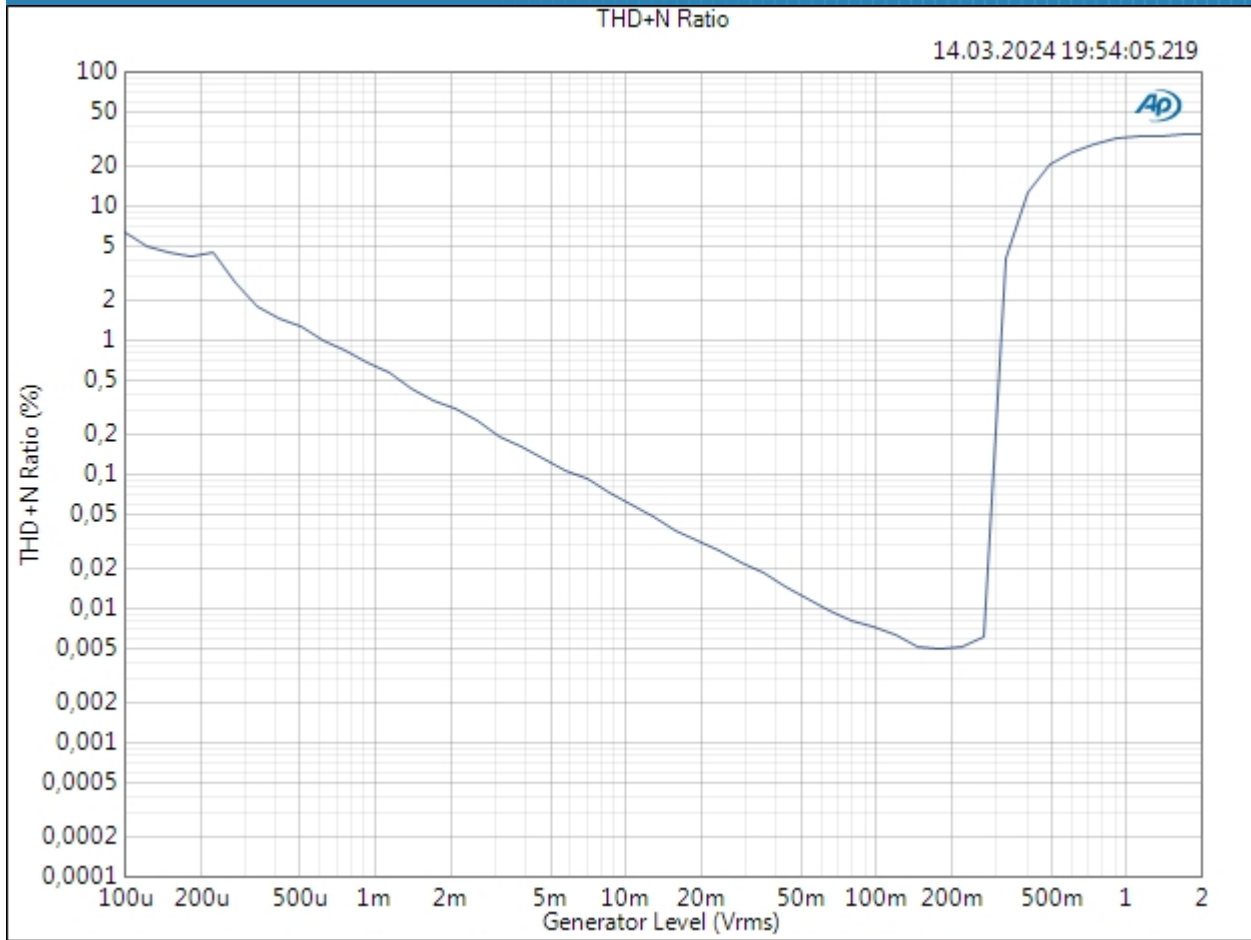
Waveform: Sine
Generator Mode: High Performance Sine Generator
Generator Level: 0,000 Vrms
Frequency: 1,00000 kHz
Start Level: 100,0 uVrms
Stop Level: 2,000 Vrms
Step Type: Logarithmic
Number of Points: 50
Low-pass Filter: 20 kHz
Weighting Filter: Signal Path
High-pass Filter: 20 Hz
Notch Tuning Mode: Generator Frequency
Measured 1 14.03.2024 19:54:05

RMS Level (14.03.2024 19:54:05.219)



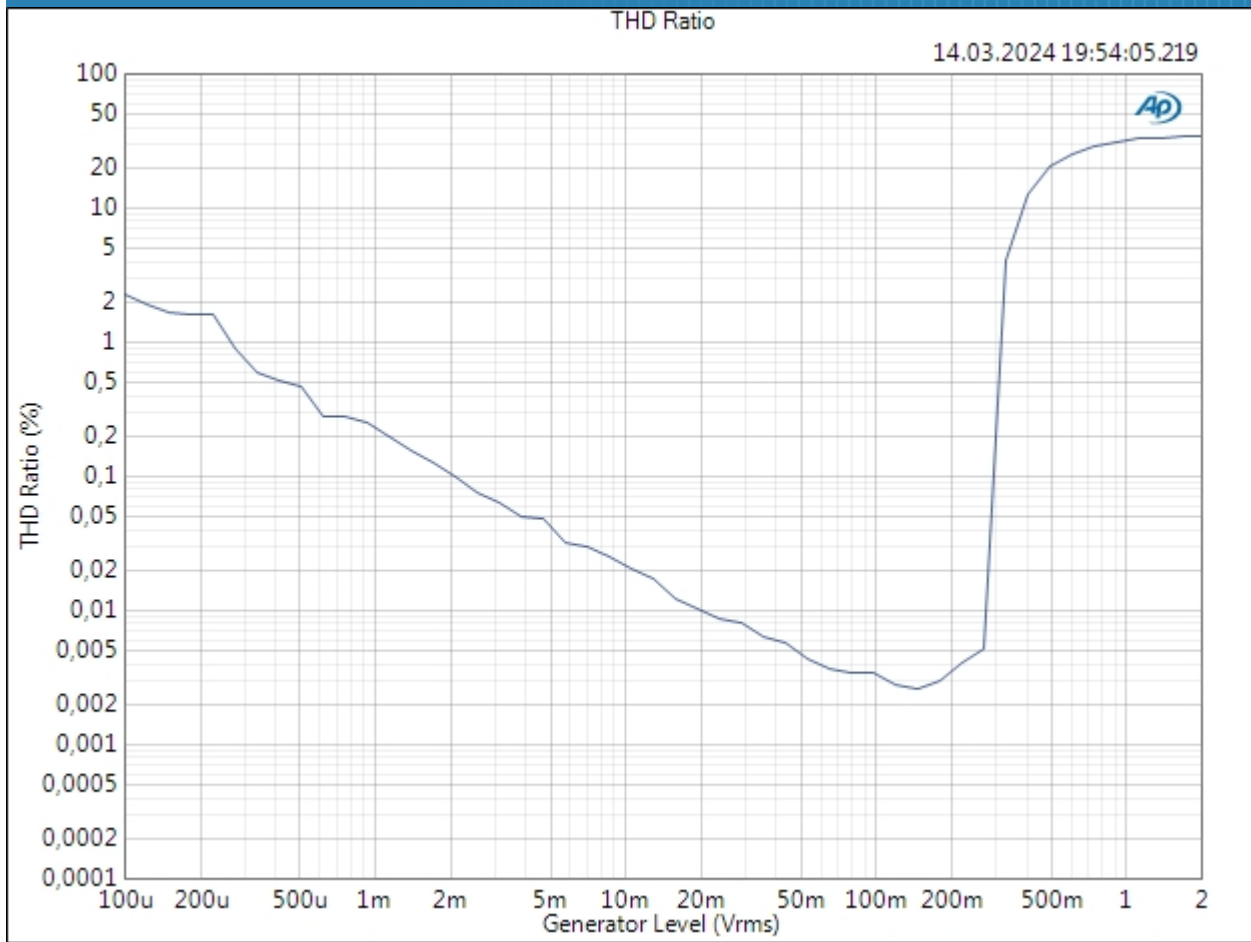
Result: ✔ PASSED

THD+N Ratio (14.03.2024 19:54:05.219)



Result: ✔ PASSED

THD Ratio (14.03.2024 19:54:05.219)



Result: PASSED

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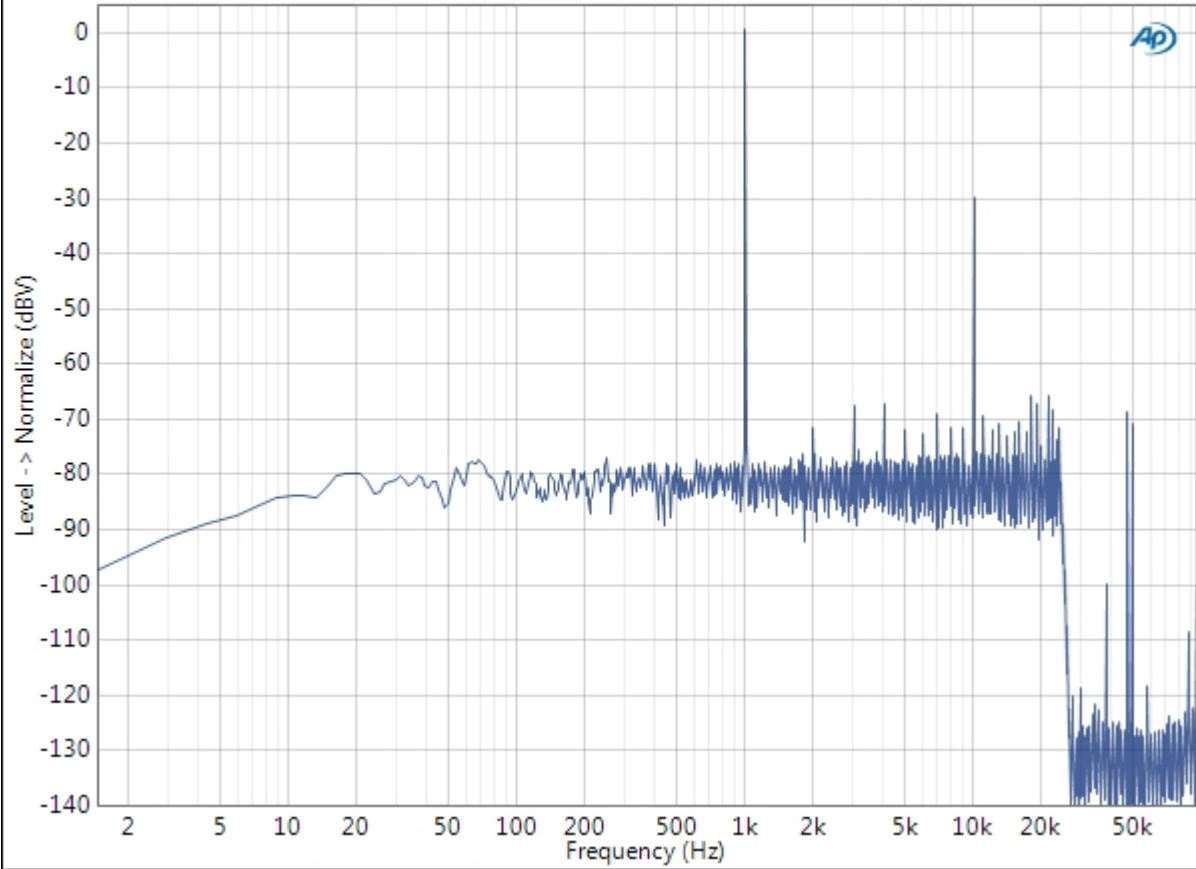
Signal Path1 : Signal Analyzer 1kHz dual Tone

Waveform: Sine, Dual
Generator Level: 100,0 mVrms
DC Offset: 0,000 V
Frequency: 1,00000 kHz
Frequency B: 10,0000 kHz
IMD Split: No
FB:FA Ratio: -30,000 dB
Secondary Source: None
Measured 1 14.03.2024 19:54:12
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250,0 ms
Input Bandwidth: Use Signal Path
FFT Length: 128K
Averaging: Power
Averages: 5
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum -> Normalize (14.03.2024 19:54:12.177)

f_x FFT Spectrum -> Normalize

14.03.2024 19:54:12.177



FFT Spectrum -> Normalize Parameters

Mode: Normalize
X Reference: 1,00000 kHz
Source: FFT Spectrum

Result:  PASSED

Sequence Report



Signal Path1 : Noise (RMS)

Waveform: None

Low-pass Filter: 20 kHz

Weighting Filter: A-wt.

High-pass Filter: 20 Hz

Acquisition Time: 250,0 ms

Delay Time: 300,0 ms

Noise Level (14.03.2024 19:54:13.572)

Ch1 4,686 uVrms

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Signal Path1 : Stepped Frequency Sweep

Generator Mode: High Performance Sine Generator

Generator Level: 100,0 mVrms

EQ: None

Start Frequency: 20,0000 kHz

Stop Frequency: 20,0000 Hz

Step Type: Logarithmic

Number of Points: 31

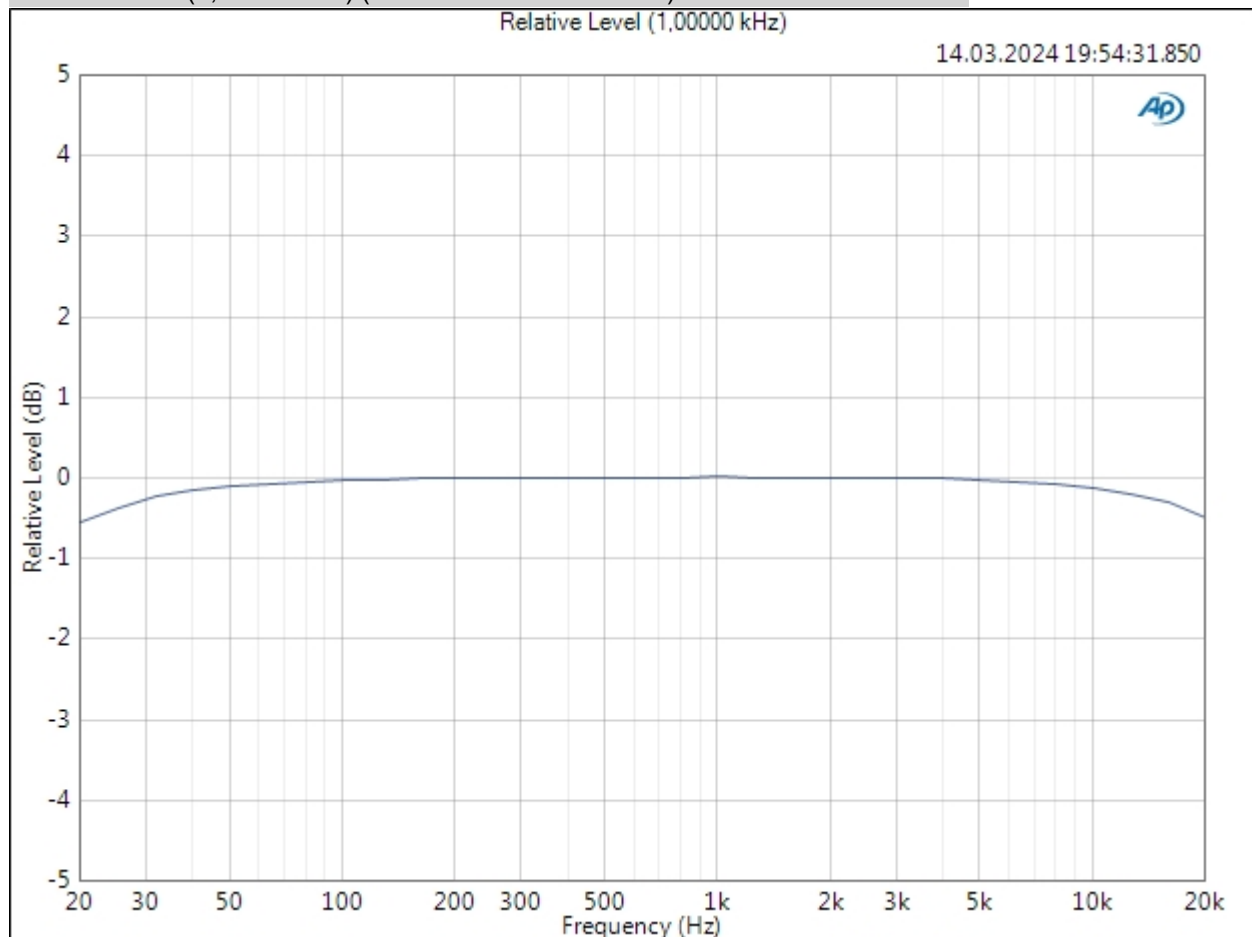
Weighting Filter: Signal Path

High-pass Filter: 20 Hz

Phase Ref Channel: Ch1

Measured 1 14.03.2024 19:54:31

Relative Level (1,00000 kHz) (14.03.2024 19:54:31.850)



Relative Level (1,00000 kHz) Parameters

Sequence Report

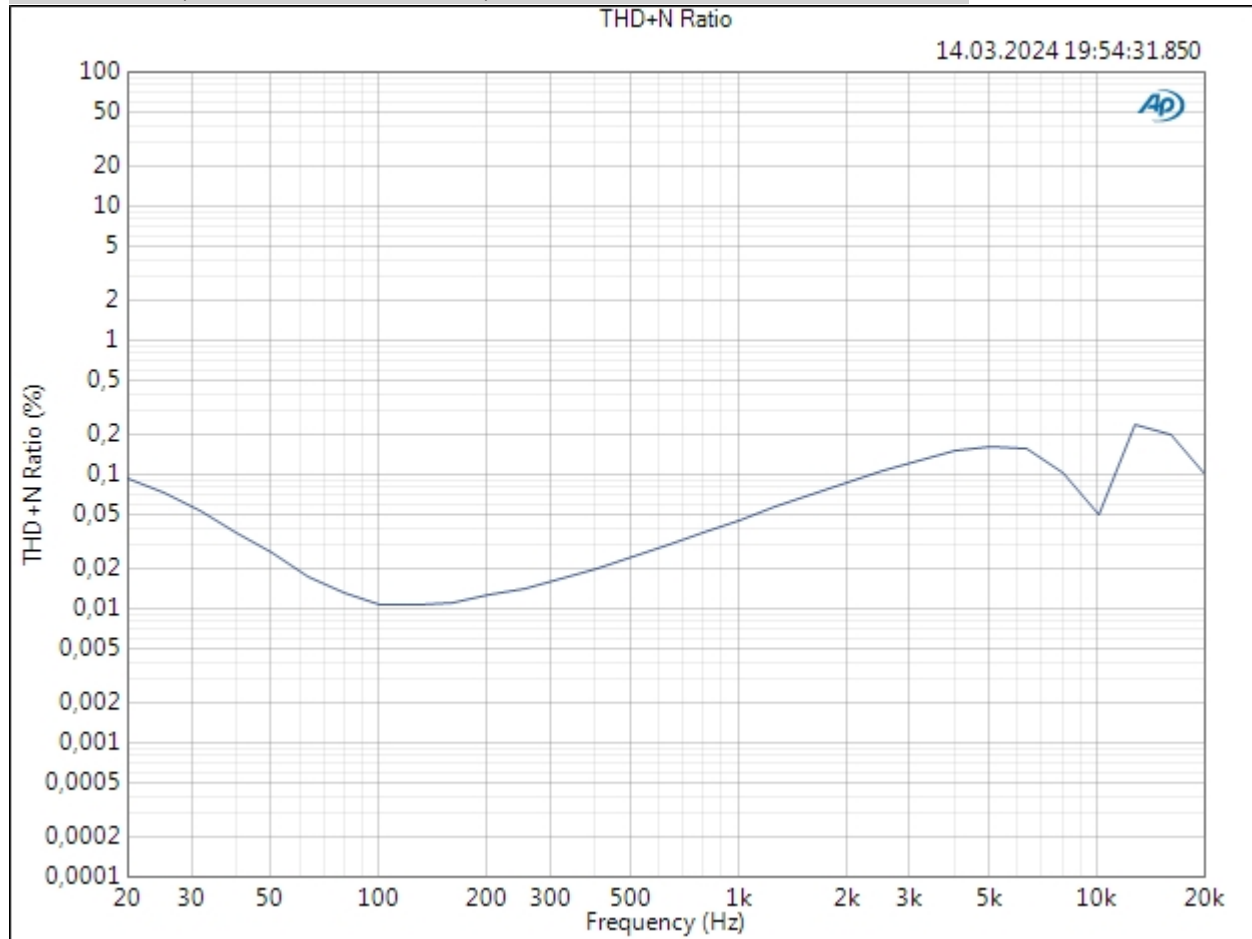


Mode: Normalized at Reference

Ref Frequency: 1,00000 kHz

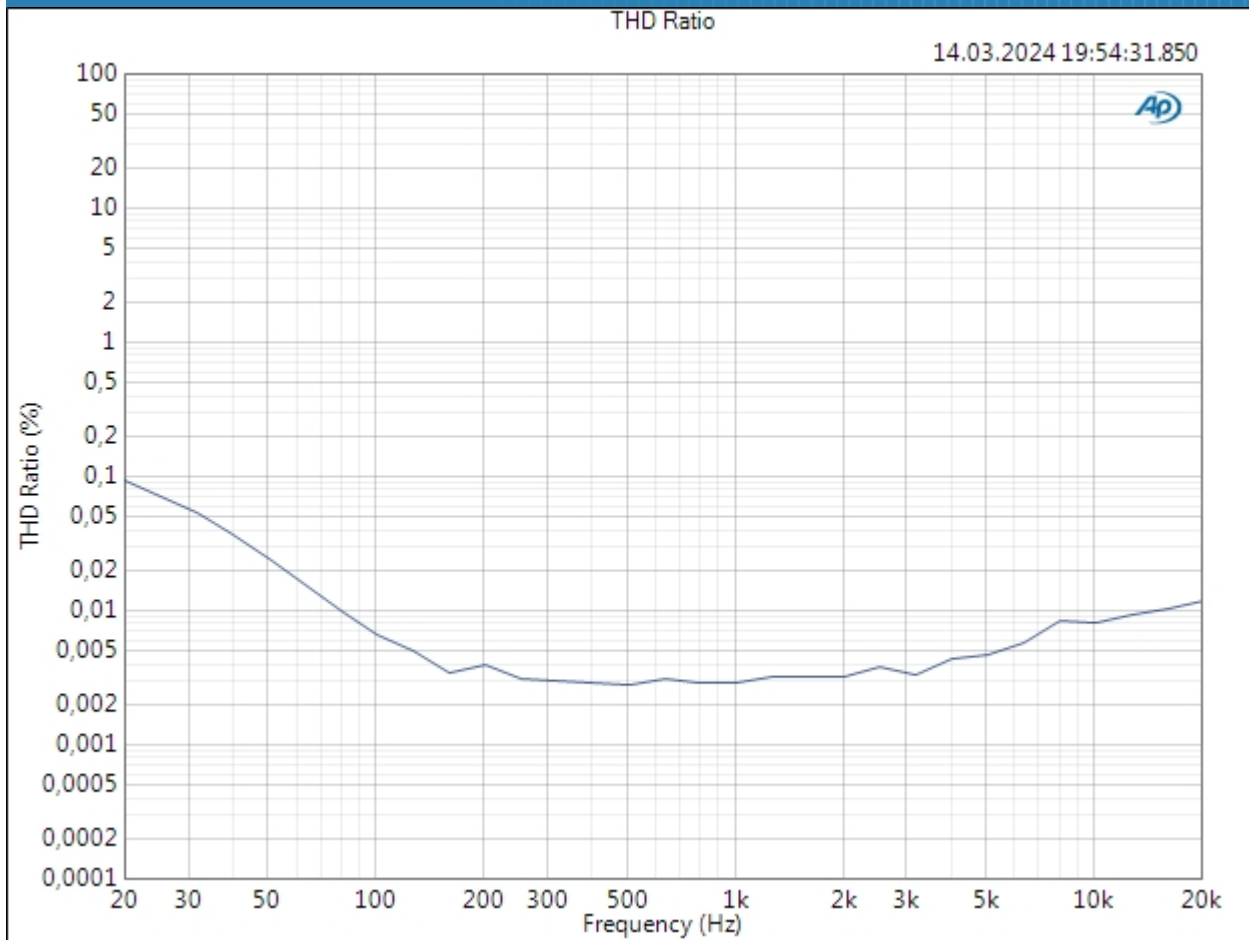
Result: ✔ PASSED

THD+N Ratio (14.03.2024 19:54:31.850)



Result: ✔ PASSED

THD Ratio (14.03.2024 19:54:31.850)



Result: ✔ PASSED

Signal Path1 : DUT Delay

Generator Level: 100,0 mVrms
 DC Offset: 0,000 V
 Sequence Type: Pseudo Random Sequence
 Sequence Length: 16 k
 Record Acquisition: False
 Recording Type: Multiple Mono PCM (.wav)
 Measured 1 14.03.2024 19:54:34

Delay (14.03.2024 19:54:34.407)

Ch1 6,828 ms

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Signal Path1 : Dynamic Range - AES17

Waveform: Sine
Generator Mode: High Performance Sine Generator
Generator Level: 100,0 mVrms
Frequency: 0,99700 kHz
Level Ratio: -60,000 dB
Low-pass Filter: 20 kHz
Weighting Filter: CCIR-2k

Dynamic Range - AES17 (14.03.2024 19:54:37.212)

Ch1 81,756 dB

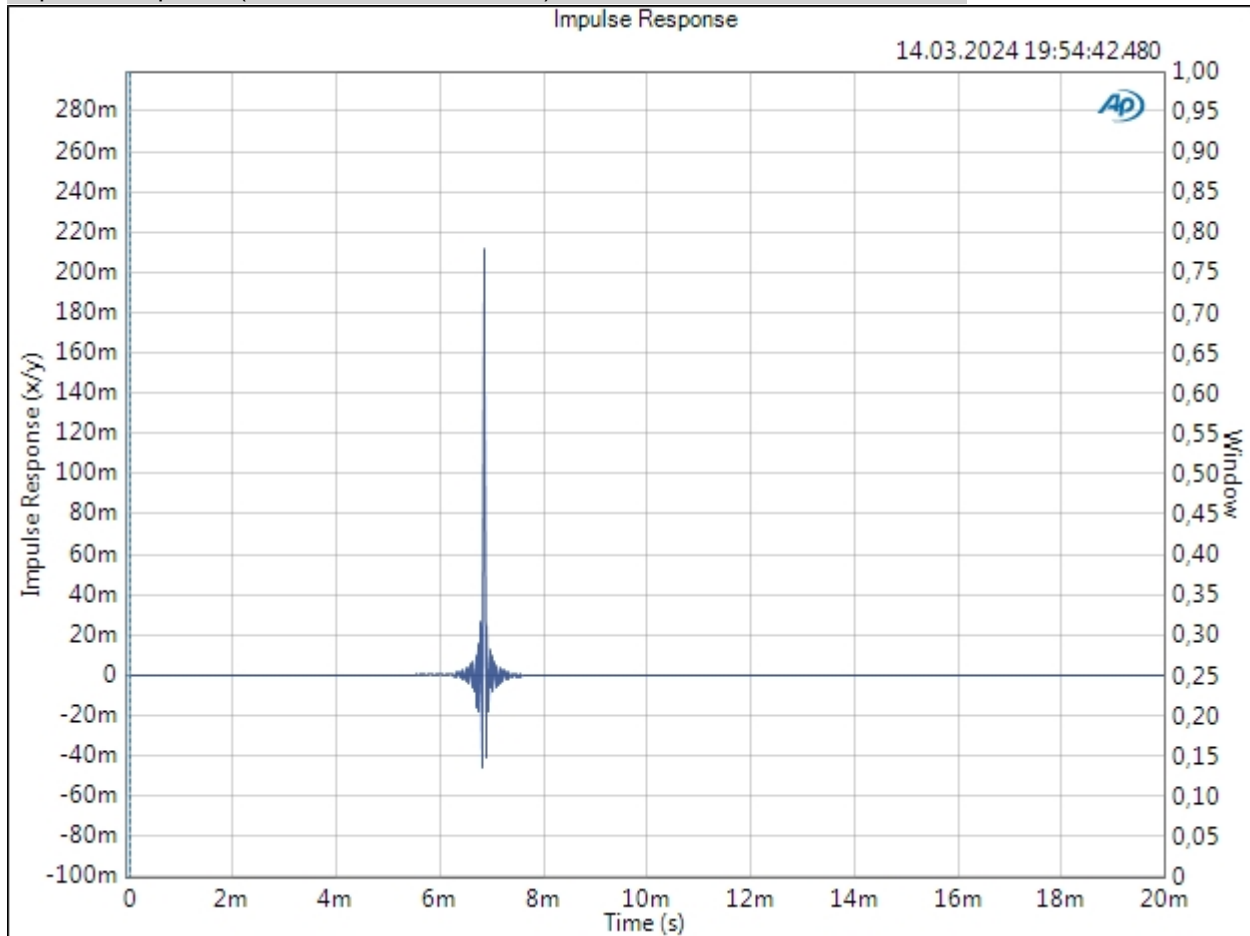
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Signal Path1 : Acoustic Response

Start Frequency: 20,0000 Hz
Stop Frequency: 20,0000 kHz
Generator Level: 100,0 mVrms
DC Offset: 0,000 V
EQ: None
Pre-Sweep: 0,000 s
Sweep: 1,400 s
Measured 1 14.03.2024 19:54:42
Averages: 1
Window Start: 0,000 s
Extend Acquisition By: 400,0 ms
Secondary Source: None

Impulse Response (14.03.2024 19:54:42.480)



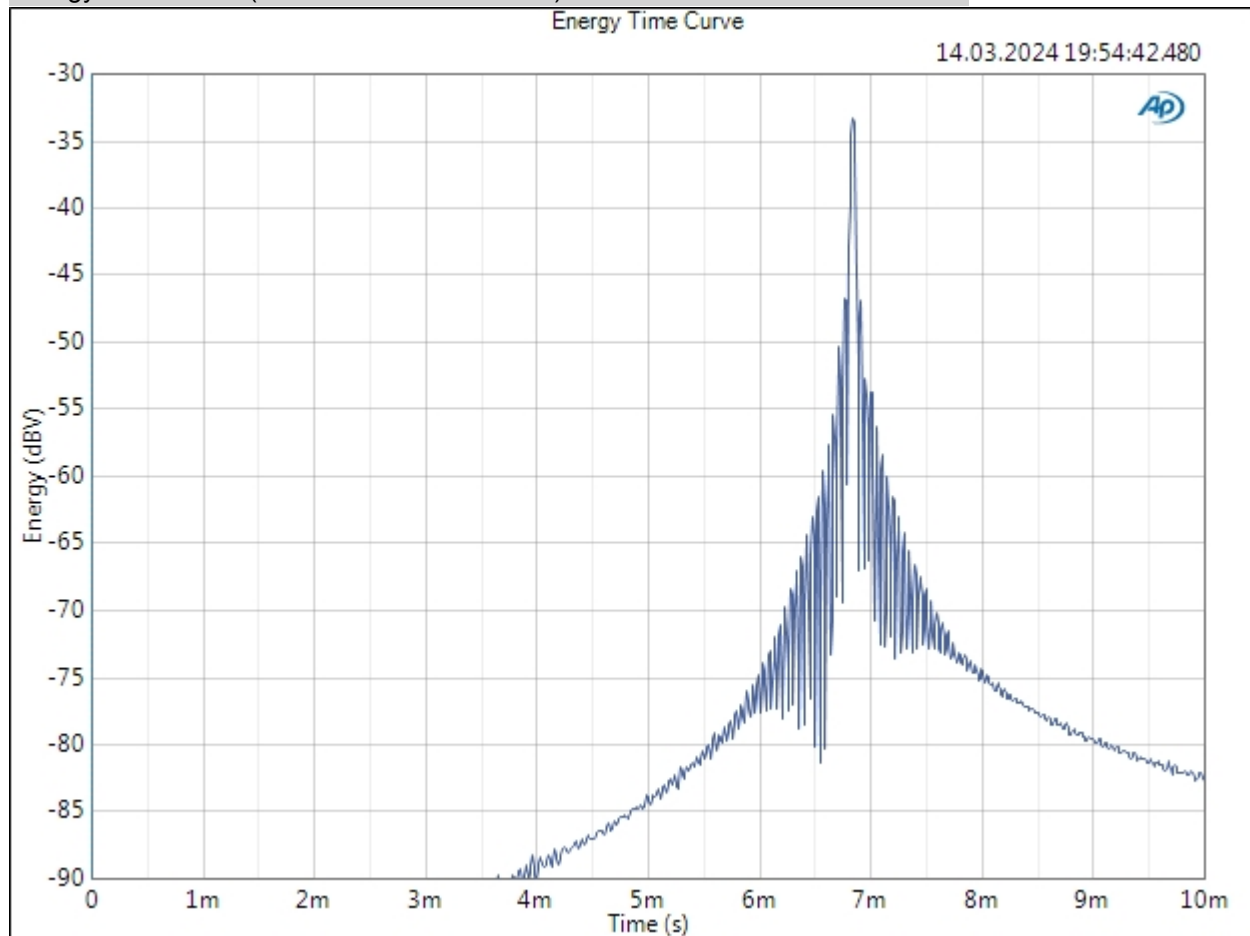
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Impulse Response Parameters

Window Start: 0,000 s
Window End: 200,0 ms
Taper Type: AP-Equiripple
Time Window: Track Peak
Taper Start: 10,000 %
Taper End: 10,000 %

Result: ✔ PASSED

Energy Time Curve (14.03.2024 19:54:42.480)

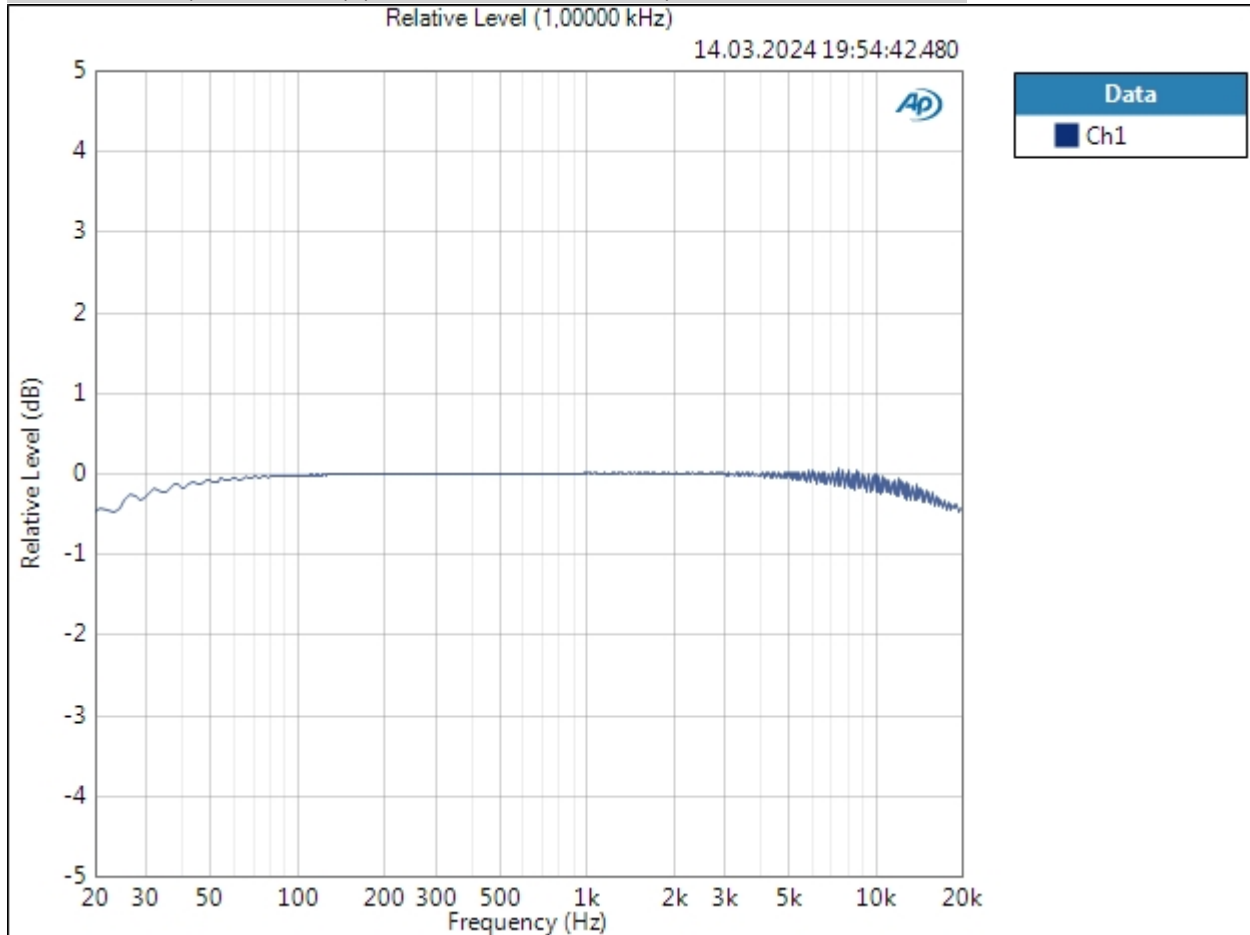


Energy Time Curve Parameters

Window Start: 0,000 s
Window End: 200,0 ms

Result: ✔ PASSED

Relative Level (1,00000 kHz) (14.03.2024 19:54:42.480)



Relative Level (1,00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1,00000 kHz

Result: PASSED

Delay (14.03.2024 19:54:42.480)

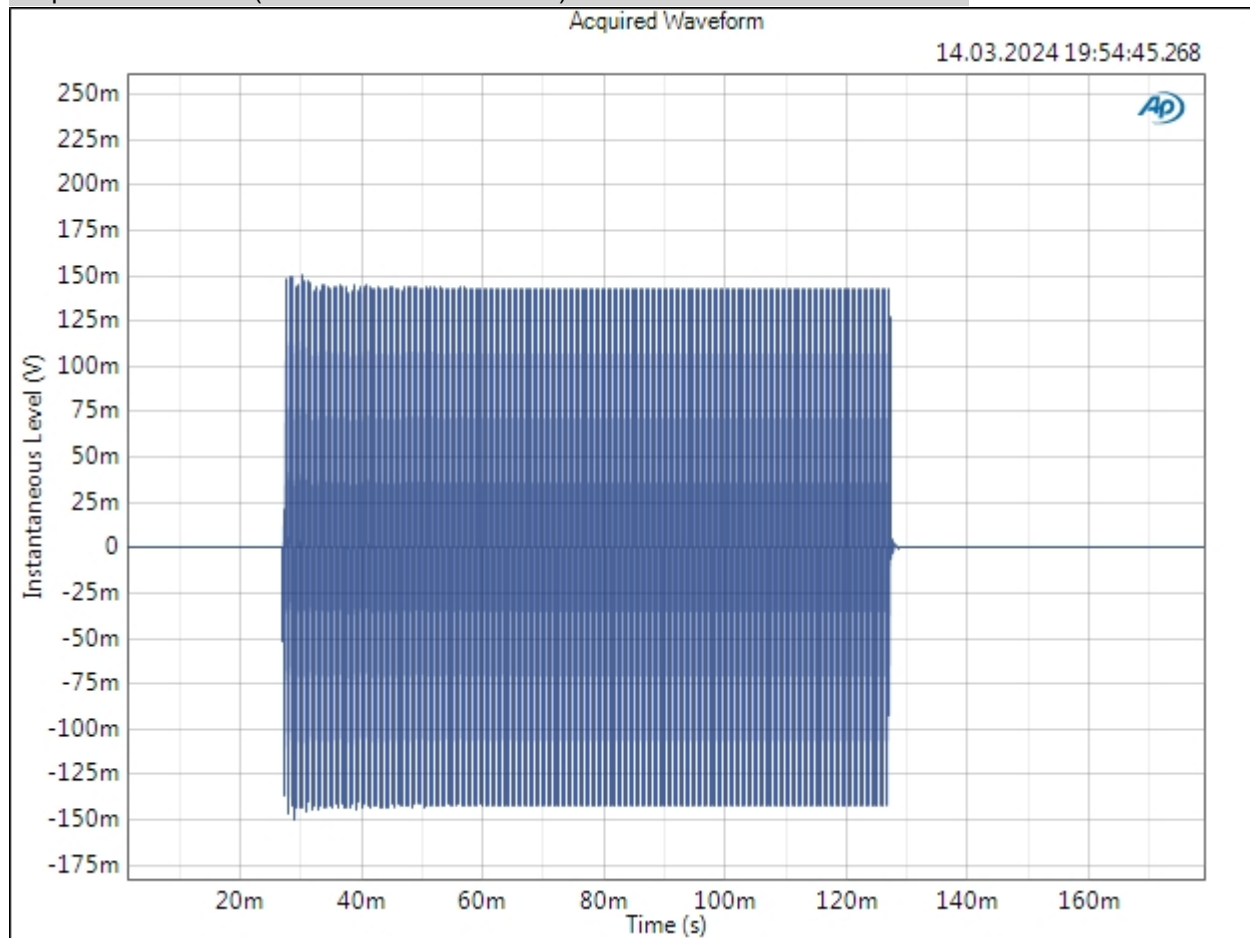
Ch1 6,826 ms

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Signal Path1 : Signal Acquisition

Waveform: Sine, Burst
Generator Level: 100,0 mVrms
Frequency: 4,00000 kHz
Secondary Source: None
Measured 1: 14.03.2024 19:54:45
Acquisition Type: Seconds
Acquisition Time: 500,0 ms
Trigger: Generator
Delay Time: 180,0 ms
Input Bandwidth: Use Signal Path
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Acquired Waveform (14.03.2024 19:54:45.268)



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Acquired Waveform Parameters

Interpolated: On

Result:  PASSED