



Sequence Report

Audio
precision

Pre-Sequence Inputs:

ID:

Summary

SIG 1 - Scope Views (44.1kHz)

| | |
|--|----------|
| 1kHz Tone View | ✓ PASSED |
| 15kHz Tone View | ✓ PASSED |
| -90.31dBFS 1kHz sine (96kHz bandwidth) | ✓ PASSED |
| Filter Ultrasonic Attenuation | ✓ PASSED |
| 20Hz-90kHz Noise RMS Level | ✓ PASSED |

SIG 2 - Main Measurements (44.1kHz)

| | |
|--|----------|
| Output Level (Vrms) | ✓ PASSED |
| -90.31dBFS 1kHz sine (20kHz Bandwidth) | ✓ PASSED |
| 20Hz-20kHz Noise RMS Level | ✓ PASSED |
| Idle Noise FFT | ✓ PASSED |
| 1kHz FFT (0dbfs) | ✓ PASSED |
| 1kHz FFT (-3dbfs) | ✓ PASSED |
| 50kHz FFT (0dbfs) | ✓ PASSED |
| 50Hz FFT (-3dbfs) | ✓ PASSED |
| Effective Number of Bits 0dbfs | ✓ PASSED |
| Effective Number of Bits -3dbfs | ✓ PASSED |
| THD+N 0dbfs | ✓ PASSED |
| THD+N -3dbfs | ✓ PASSED |
| THD+N/Frequency | ✓ PASSED |
| Dynamic Range - AES17 | ✓ PASSED |
| Signal to Noise Ratio | ✓ PASSED |
| IMD (SMPTE) | ✓ PASSED |
| 50Hz/7kHz IMD SMPTE FFT | ✓ PASSED |
| IMD Level Sweep (SMPTE) | ✓ PASSED |
| Linearity | ✓ PASSED |
| Linearity (No Bandpass) | ✓ PASSED |
| Crosstalk Sweep, One Channel Driven | ✓ PASSED |
| DC Offset (active) | ✓ PASSED |
| DC Offset (idle) | ✓ PASSED |

SIG 3 - 44.1kHz Jitter

| | |
|--|----------|
| 44.1khz J-Test (Jitter) | ✔ PASSED |
| SIG 4 - 48khz Jitter | |
| 48khz J-Test (Jitter) | ✔ PASSED |
| SIG 4 - Multitone and bandwidth (192khz) | |
| 90khz Bandwidth | ✔ PASSED |
| 32 Tone Test | ✔ PASSED |
| THD+N vs frequency (90khz band limit) | ✔ PASSED |
| SIG 5 - Wideband and Intersample Overs | |
| Wideband idle noise | ✔ PASSED |
| 1khz 0dbfs wideband | ✔ PASSED |
| 1khz -3dbfs wideband | ✔ PASSED |
| Intersample Overs (+3dB) | ✔ PASSED |
| Intersample Overs (+1dB) | ✔ PASSED |
| Sequence Result: | |
| Sequence Result: | ✔ PASSED |



Sequence Report

Audio
precision

SIG 1 - Scope Views (44.1kHz) : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 44.1000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Auto (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - 90k (192 kHz SR) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |



Sequence Report

Audio 
precision

| | |
|---------------------------|-----------------|
| dB SPL2 Calibrator Level: | -31.000 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 |
| 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 |



Sequence Report

Audio 
precision

SIG 1 - Scope Views (44.1kHz) : 1kHz Tone View

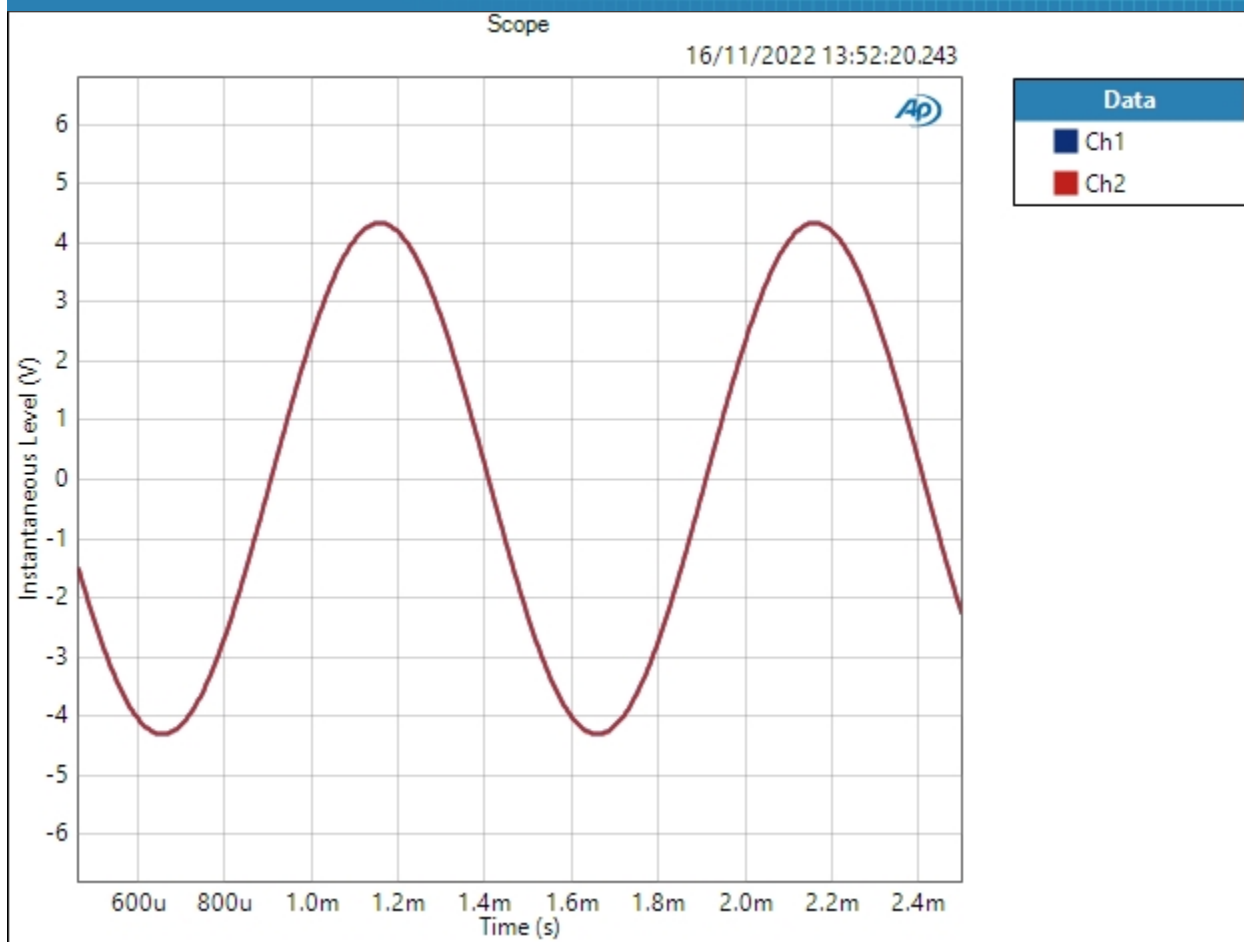
Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 16/11/2022 13:52:20
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Scope (16/11/2022 13:52:20.243)



Sequence Report

Audio precision



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report

Audio 
precision

SIG 1 - Scope Views (44.1kHz) : 15kHz Tone View

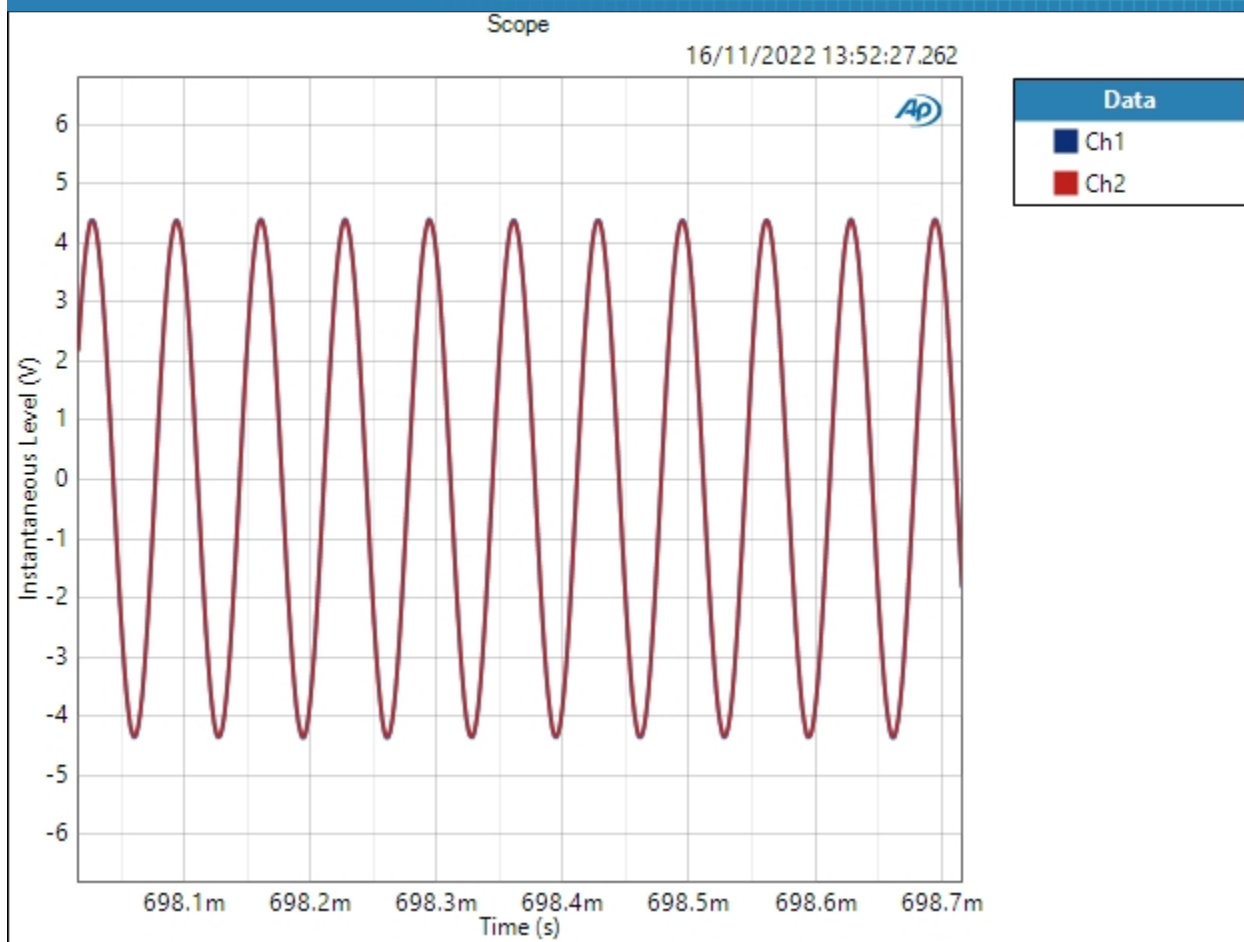
Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 15.0000 kHz
Secondary Source: None
Measured 1 16/11/2022 13:52:27
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Scope (16/11/2022 13:52:27.262)



Sequence Report

Audio precision



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report

Audio Precision

SIG 1 - Scope Views (44.1kHz) : -90.31dBFS 1kHz sine (96kHz bandwidth)

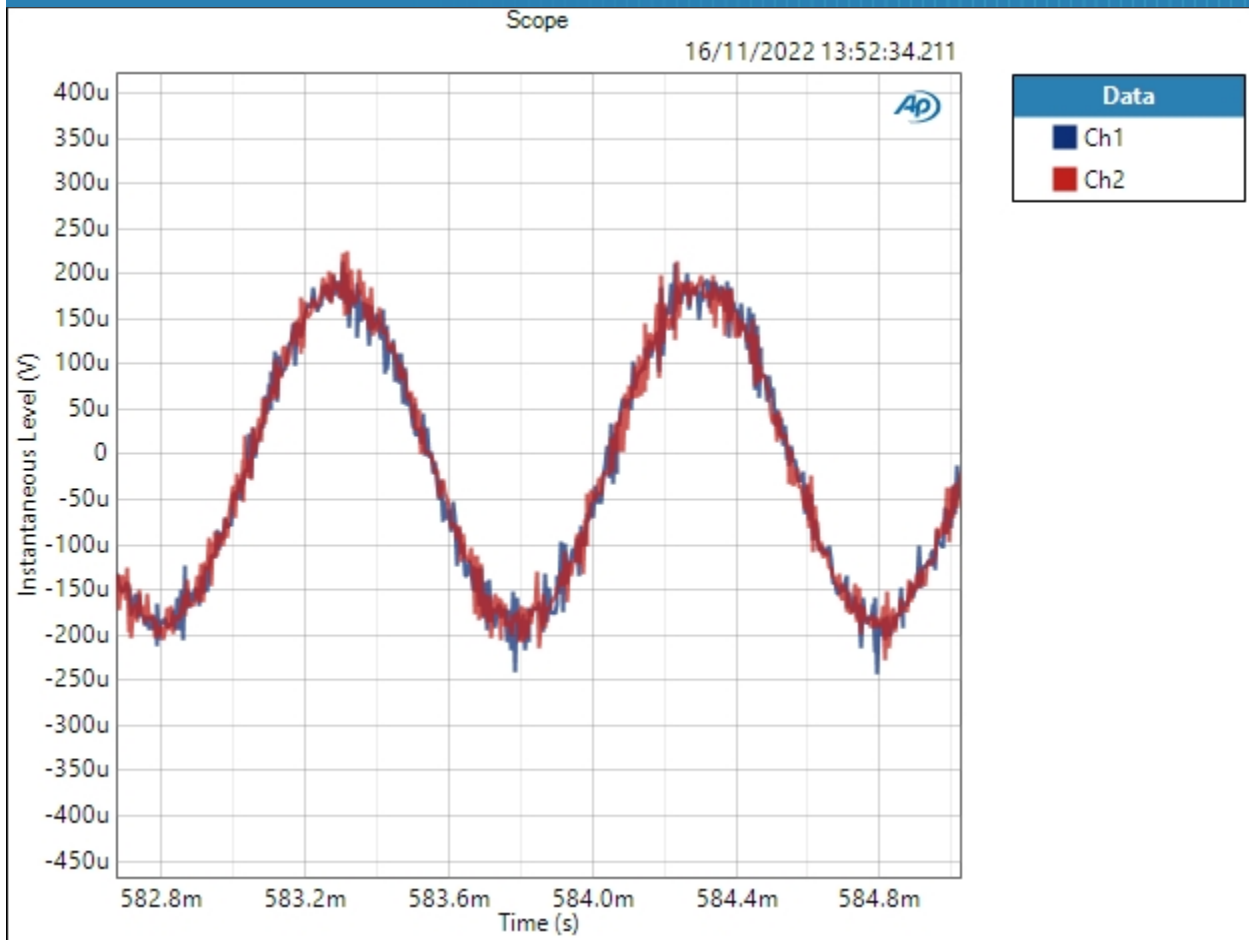
Waveform: Sine
Generator Level: -90.310 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 16/11/2022 13:52:34
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Scope (16/11/2022 13:52:34.211)



Sequence Report

Audio precision



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report

Audio
precision

SIG 1 - Scope Views (44.1khz) : Filter Ultrasonic Attenuation

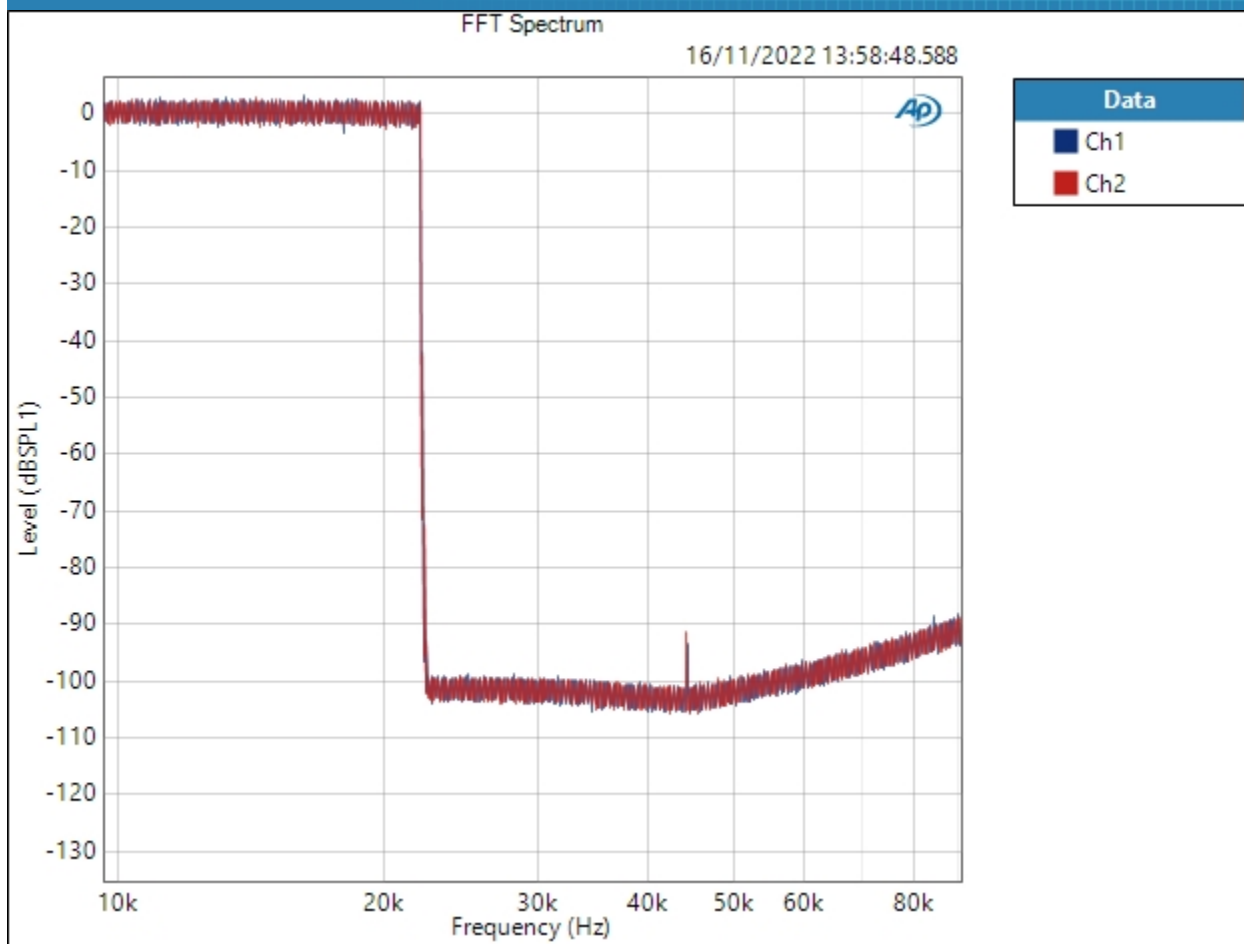
Waveform: Noise
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Noise Shape: White
Secondary Source: None
Measured 1: 16/11/2022 13:58:48
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 50
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 13:58:48.588)



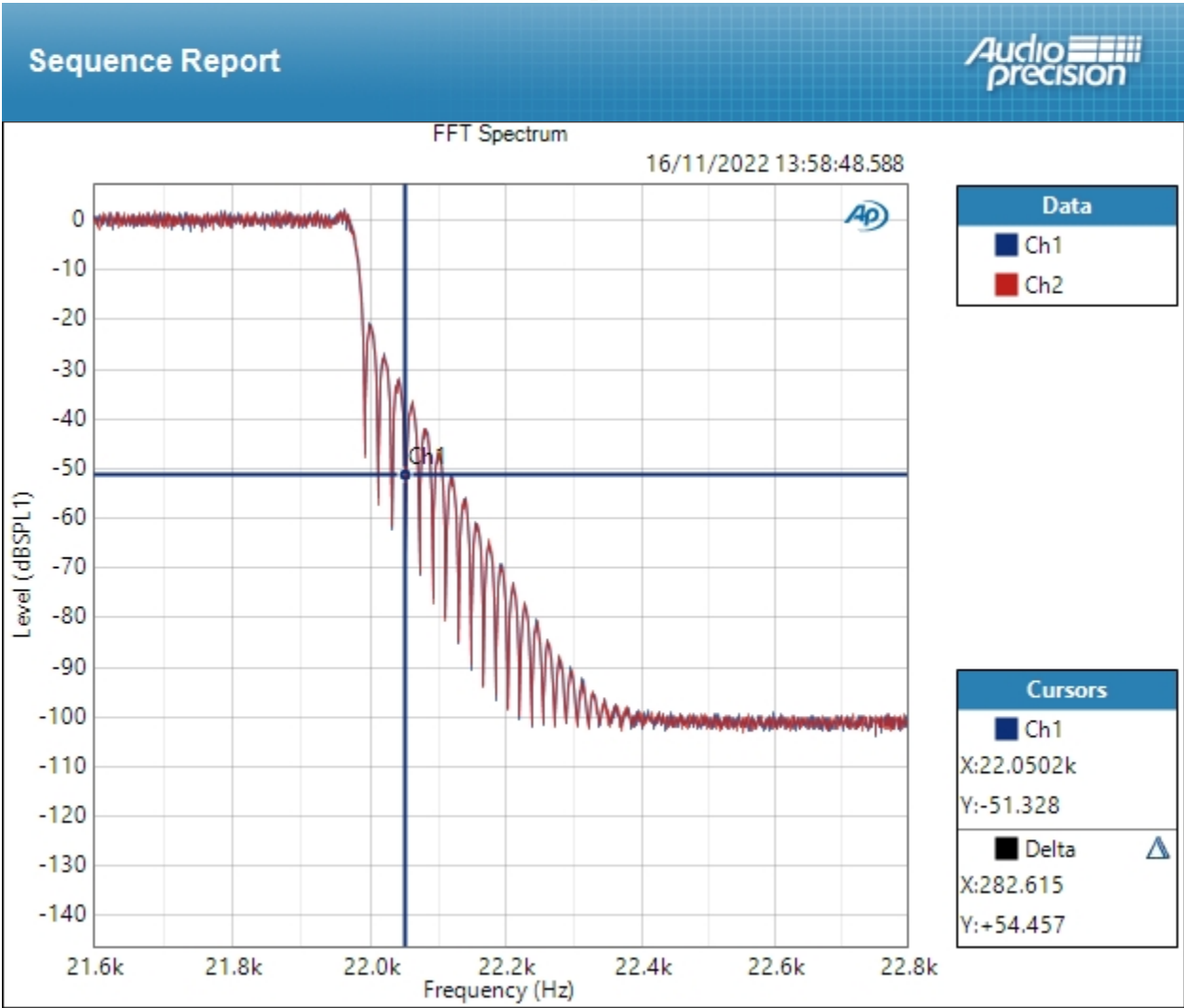
Sequence Report

Audio precision



Result: PASSED

FFT Spectrum (16/11/2022 13:58:48.588)



Result: PASSED



Sequence Report

Audio 
precision

SIG 1 - Scope Views (44.1kHz) : 20hz-90kHz Noise RMS Level

Waveform: None
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Signal Path
Weighting Filter: Signal Path
Acquisition Time: 250.0 ms
Delay Time: 300.0 ms

Noise Level (16/11/2022 13:58:50.615)

Ch1 16.72 uVrms

Ch2 16.29 uVrms



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 44.1000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Auto (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - AES17 (20 kHz) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |
| dB SPL2 Calibrator Level: | -31.000 dB SPL |



Sequence Report

Audio 
precision

dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 8.000 ohm

- DCX
DCX is not detected.
- Clocks
Output Rate: Track Output SR
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

SIG 2 - Main Measurements (44.1kHz) : Output Level (Vrms)

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (16/11/2022 13:58:55.109)

Ch1 4.299 Vrms
Ch2 4.301 Vrms



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : -90.31dBFS 1kHz sine (20kHz Bandwidth)

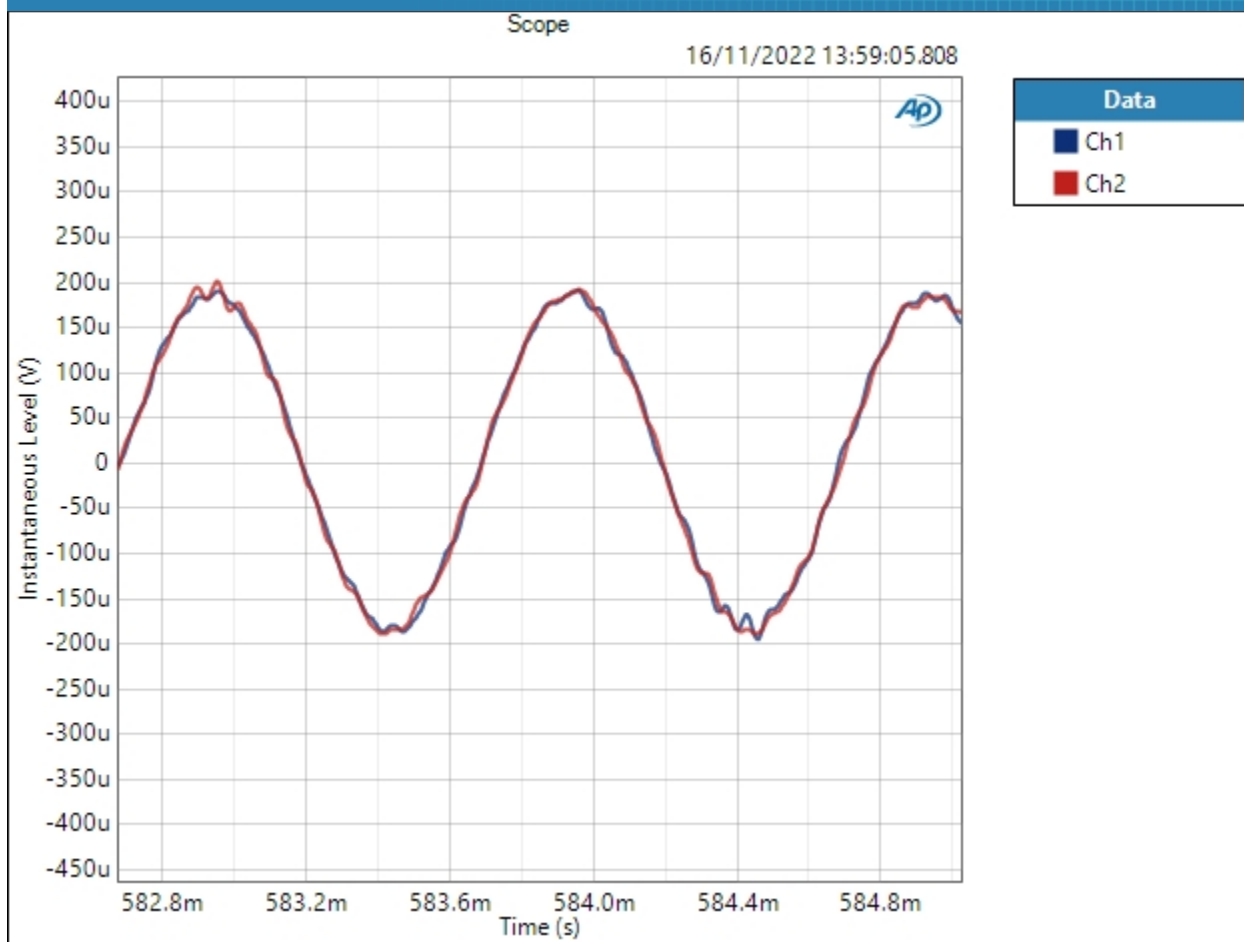
Waveform: Sine
Generator Level: -90.310 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 16/11/2022 13:59:05
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Scope (16/11/2022 13:59:05.808)



Sequence Report

Audio precision



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report

Audio 
precision

SIG 2 - Main Measurements (44.1kHz) : 20hz-20khz Noise RMS Level

| | |
|----------------------|-------------|
| Waveform: | None |
| High-pass Filter: | Elliptic |
| High-pass Frequency: | 20 Hz |
| Low-pass Filter: | Elliptic |
| Low-pass Frequency: | 20 kHz |
| Weighting Filter: | Signal Path |
| Acquisition Time: | 250.0 ms |
| Delay Time: | 300.0 ms |

Noise Level (16/11/2022 13:59:10.509)

Ch1 4.959 uVrms

Ch2 4.472 uVrms



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : Idle Noise FFT

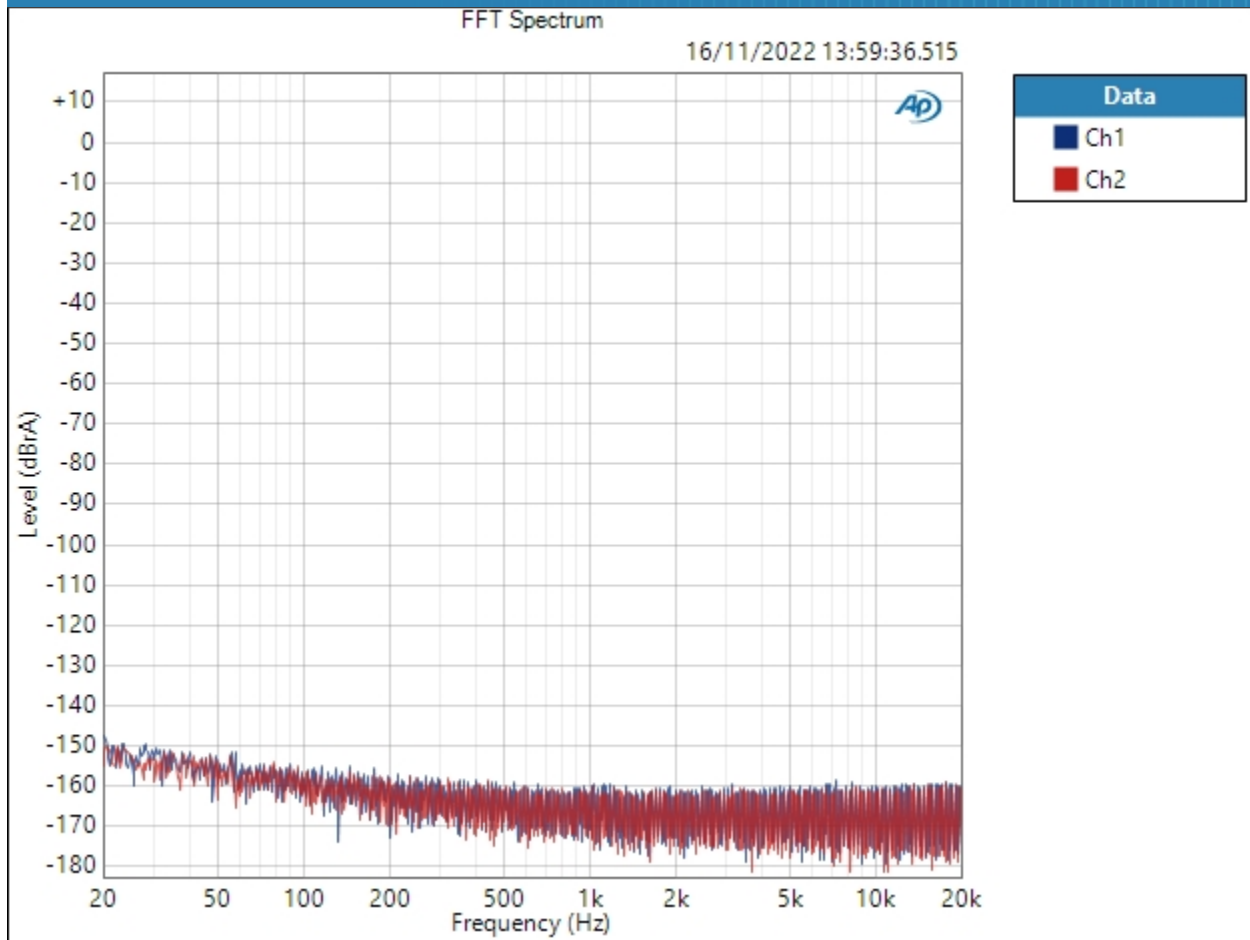
Waveform: Sine
Generator Level: $-\infty$ dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 16/11/2022 13:59:36
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 13:59:36.515)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : 1kHz FFT (0dbfs)

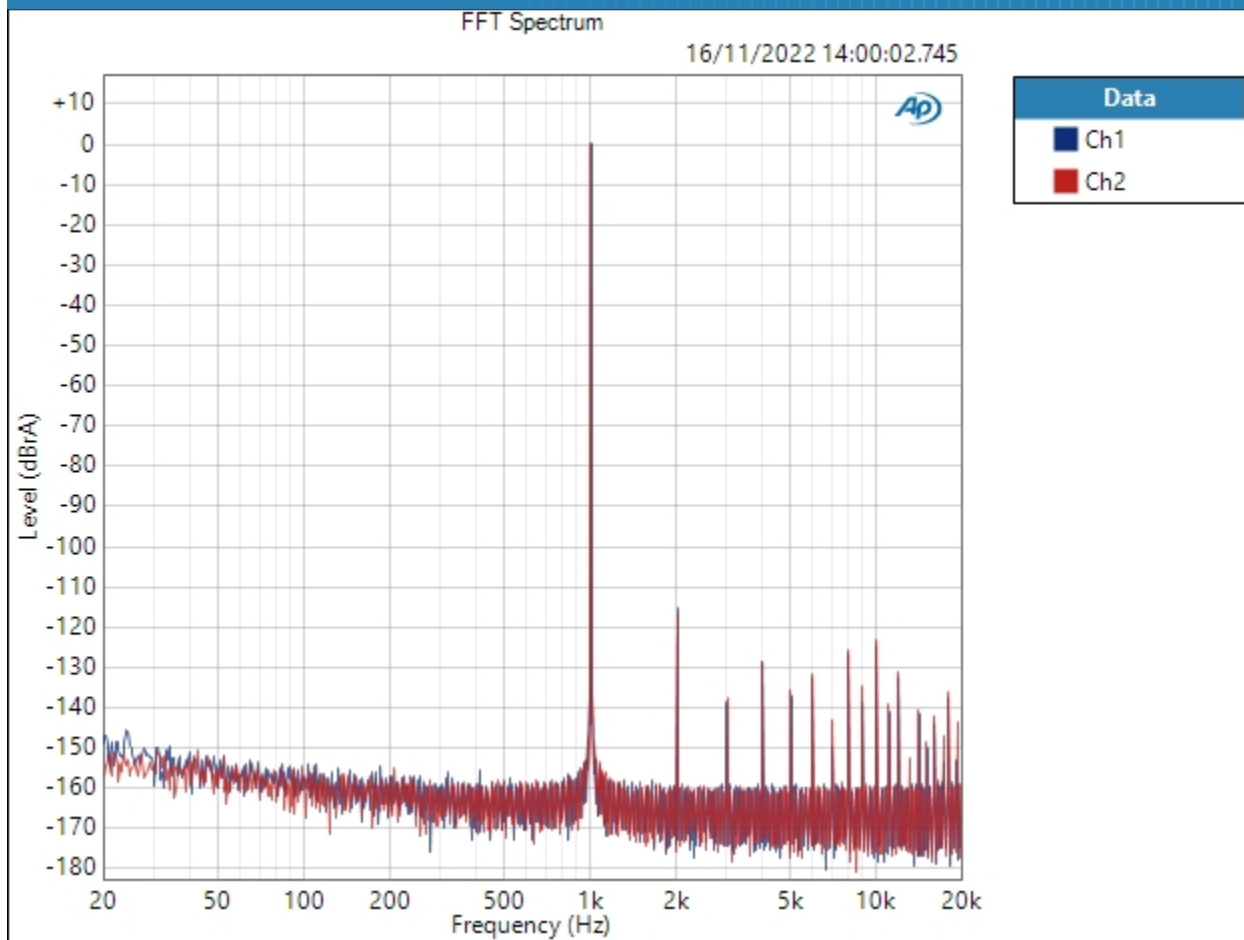
Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 16/11/2022 14:00:02
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:00:02.745)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio 
precision

SIG 2 - Main Measurements (44.1kHz) : 1kHz FFT (-3dbfs)

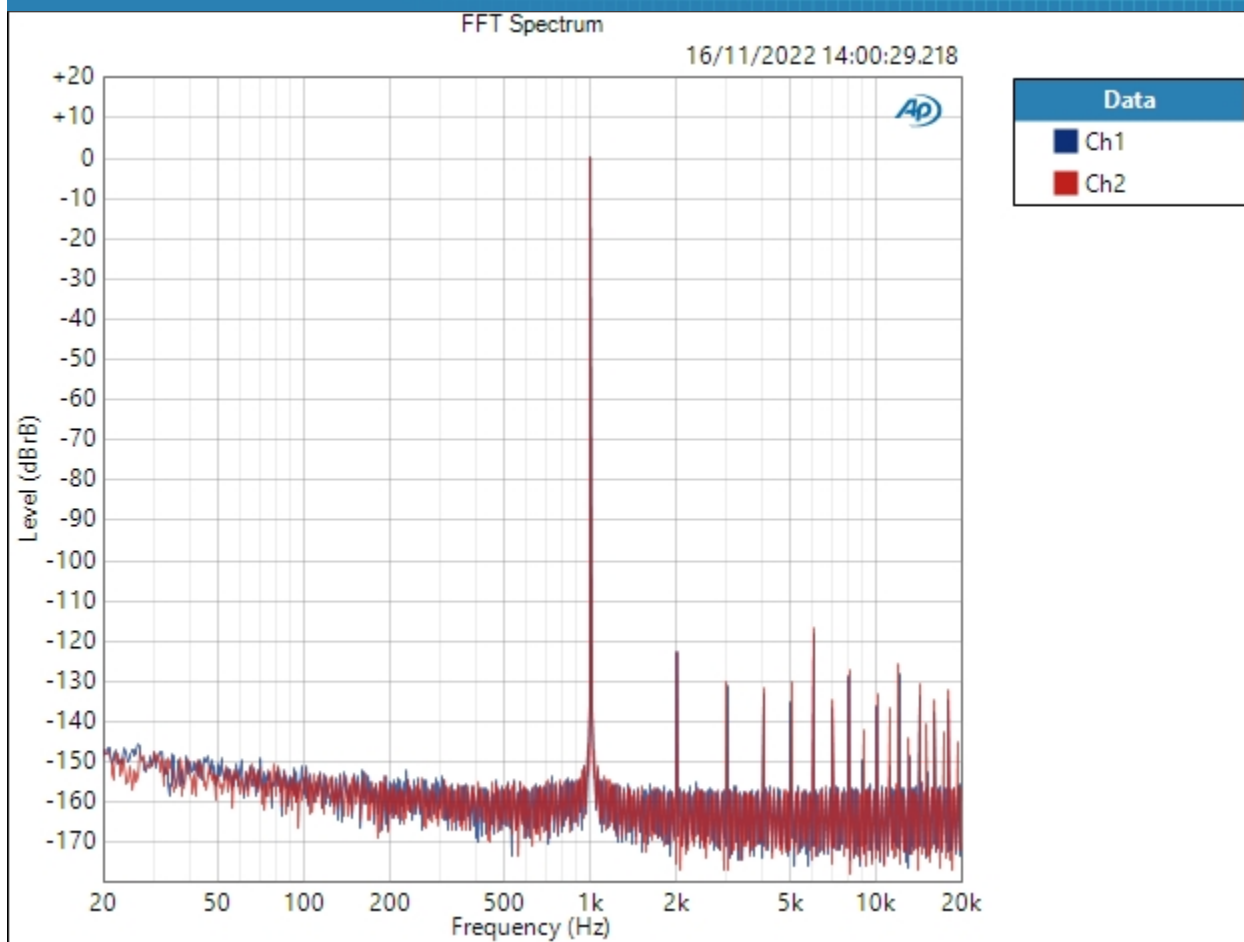
Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 16/11/2022 14:00:29
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:00:29.218)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : 50kHz FFT (0dbfs)

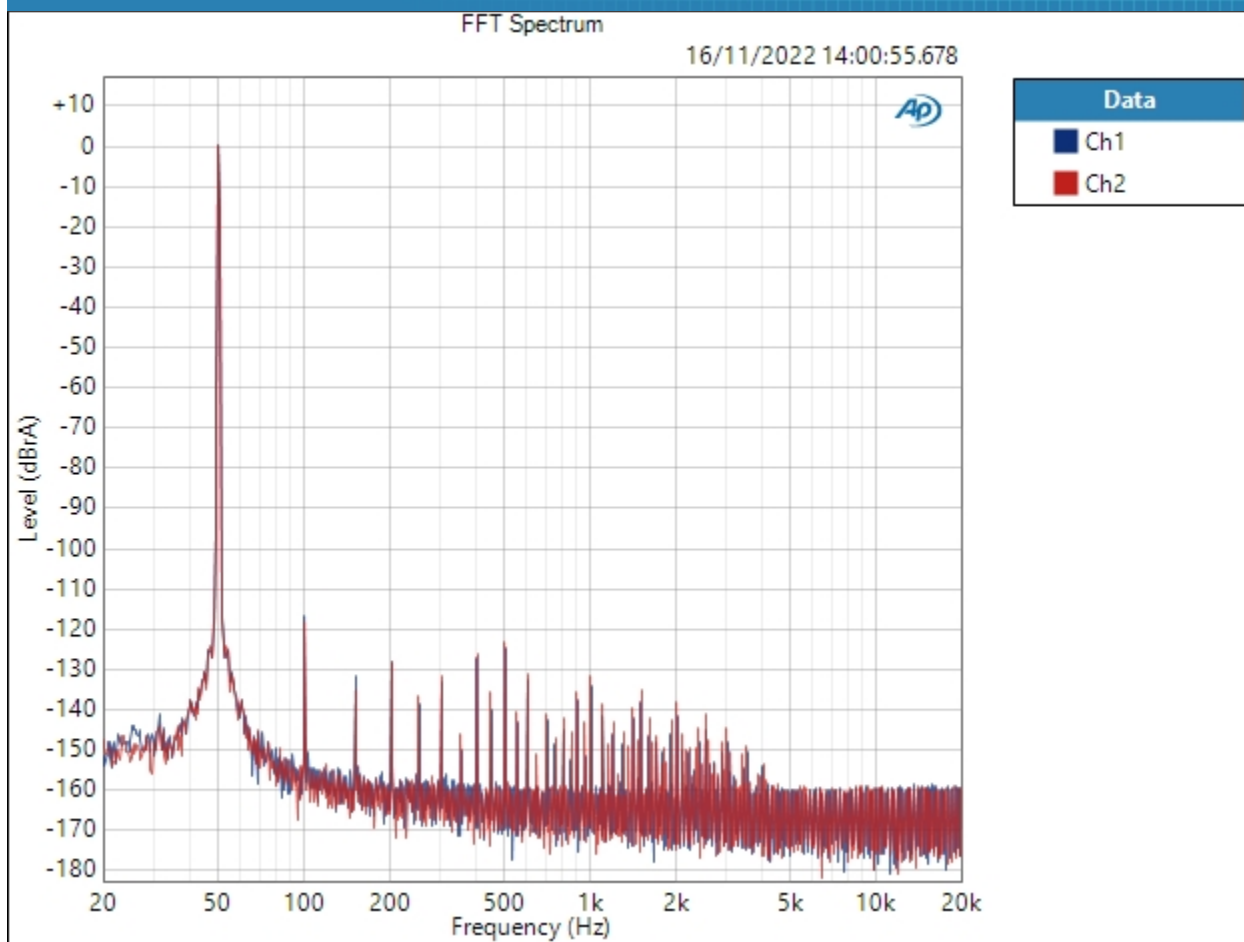
Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 50.0000 Hz
Secondary Source: None
Measured 1: 16/11/2022 14:00:55
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:00:55.678)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio 
precision

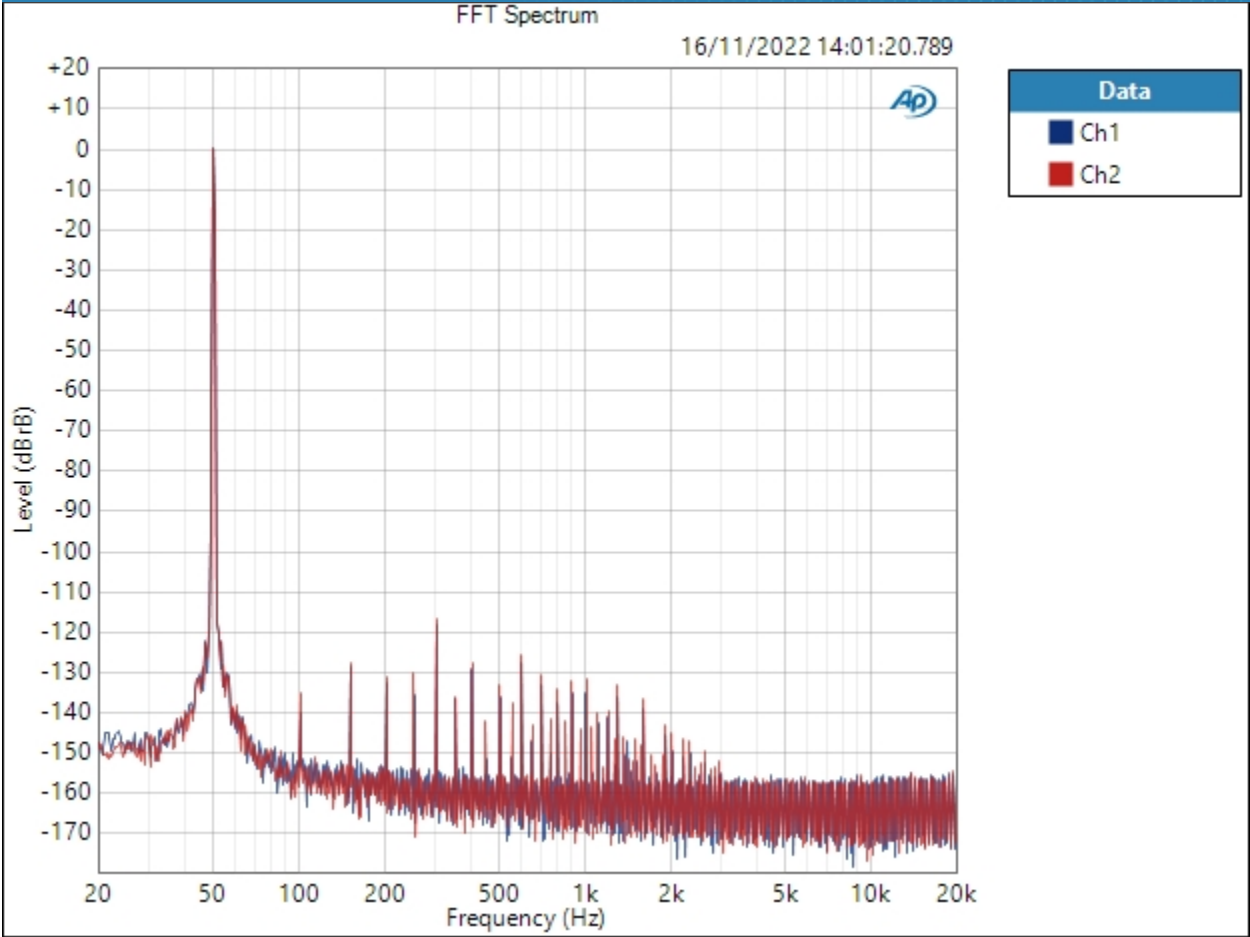
SIG 2 - Main Measurements (44.1kHz) : 50hz FFT (-3dbfs)

Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 50.0000 Hz
Secondary Source: None
Measured 1 16/11/2022 14:01:20
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:01:20.789)



Sequence Report



Result: PASSED



Sequence Report

Audio 
precision

SIG 2 - Main Measurements (44.1kHz) : Effective Number of Bits 0dbfs

Waveform: Sine (1 kHz)
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: Signal Path
Notch Tuning Mode: Measured Frequency

ENOB (16/11/2022 14:01:24.378)

Ch1 18.4
Ch2 18.5

SIG 2 - Main Measurements (44.1kHz) : Effective Number of Bits -3dbfs

Waveform: Sine (1 kHz)
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: Signal Path
Notch Tuning Mode: Measured Frequency

ENOB (16/11/2022 14:01:26.576)

Ch1 18.4
Ch2 18.3



Sequence Report



SIG 2 - Main Measurements (44.1kHz) : THD+N 0dbfs

Waveform: Sine
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 High-pass Filter: Elliptic
 High-pass Frequency: 20 Hz
 Low-pass Filter: Elliptic
 Low-pass Frequency: 20 kHz
 Weighting Filter: Signal Path
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (16/11/2022 14:01:29.155)

Ch1 0.000236 %
 Ch2 0.000218 %

THD+N Level (16/11/2022 14:01:29.155)

Ch1 -112.523 dBrA
 Ch2 -113.216 dBrA

Noise Level (16/11/2022 14:01:29.155)

Ch1 5.075 uVrms
 Ch2 4.762 uVrms

Distortion Product Ratio (16/11/2022 14:01:29.155)

| Channel | F | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch1 | -0.00 | -115.00 | -137.71 | -128.25 | -137.21 | -133.77 | -143.71 | -127.46 | -137.68 | -124.61 |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | -0.00 | -116.49 | -137.45 | -129.15 | -135.47 | -131.42 | -143.61 | -125.86 | -133.33 | -123.26 |

Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1



Sequence Report



SIG 2 - Main Measurements (44.1kHz) : THD+N -3dbfs

Waveform: Sine
 Generator Level: -3.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 High-pass Filter: Elliptic
 High-pass Frequency: 20 Hz
 Low-pass Filter: Elliptic
 Low-pass Frequency: 20 kHz
 Weighting Filter: Signal Path
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (16/11/2022 14:01:31.873)

Ch1 0.000239 %
 Ch2 0.000254 %

THD+N Level (16/11/2022 14:01:31.873)

Ch1 -112.430 dBrB
 Ch2 -111.910 dBrB

Noise Level (16/11/2022 14:01:31.873)

Ch1 5.065 uVrms
 Ch2 4.801 uVrms

Distortion Product Ratio (16/11/2022 14:01:31.873)

| Channel | F | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch1 | -0.00 | -122.28 | -130.15 | -133.26 | -135.11 | -117.98 | -135.56 | -128.87 | -146.72 | -133.74 |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | -0.00 | -122.59 | -129.54 | -131.51 | -130.76 | -116.53 | -132.11 | -128.23 | -138.46 | -134.52 |

Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1



Sequence Report

Audio Precision

SIG 2 - Main Measurements (44.1kHz) : THD+N/Frequency

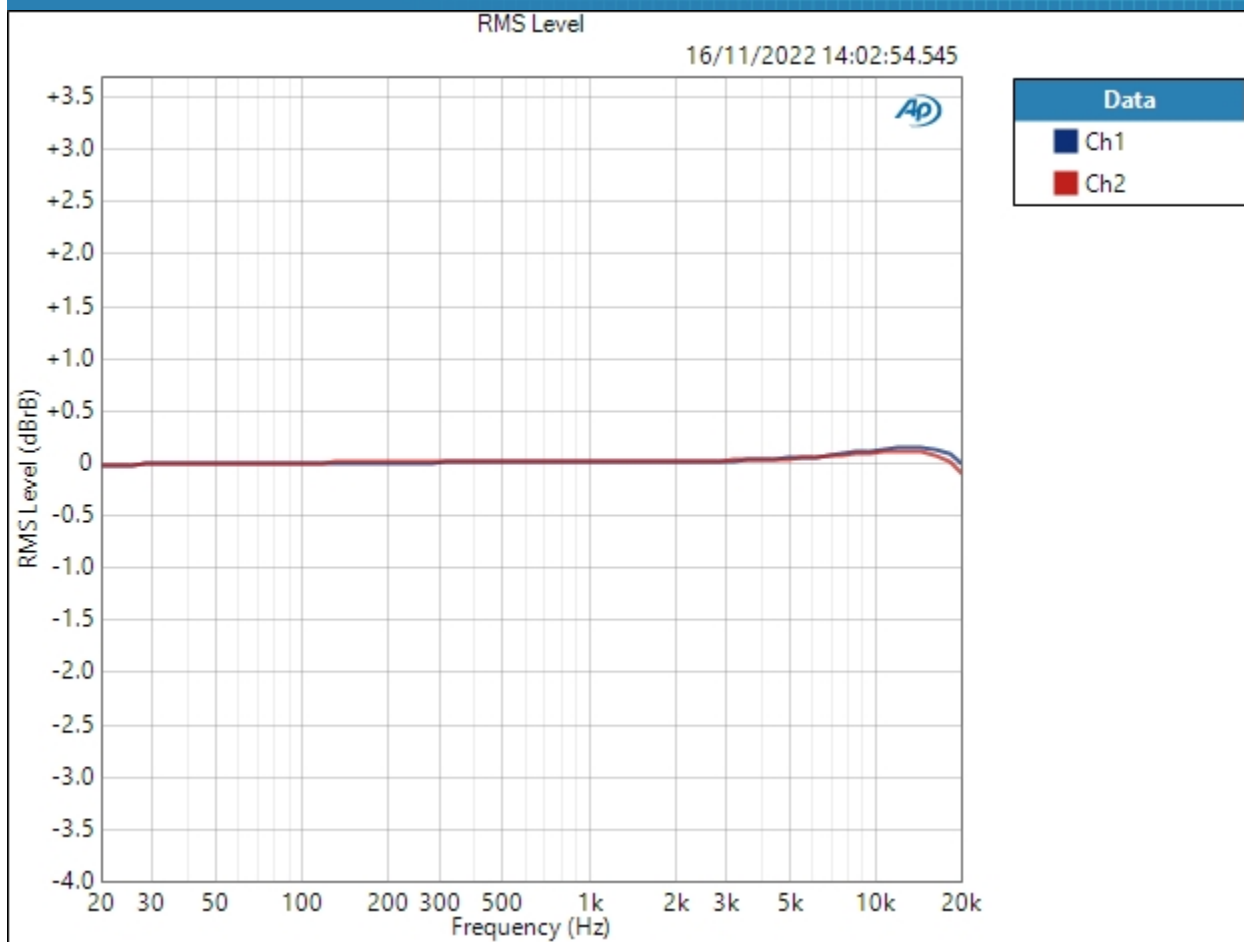
| | |
|----------------------|---------------------|
| Waveform: | Sine |
| Generator Level: | -3.000 dBFS |
| DC Offset: | 0.000 D |
| EQ: | None |
| Start Frequency: | 20.0000 kHz |
| Stop Frequency: | 20.0000 Hz |
| Step Type: | Logarithmic |
| Number of Points: | 64 |
| High-pass Filter: | Elliptic |
| High-pass Frequency: | 20 Hz |
| Low-pass Filter: | Signal Path |
| Weighting Filter: | Signal Path |
| Phase Ref Channel: | Ch1 |
| Measured 1 | 16/11/2022 14:02:54 |

RMS Level (16/11/2022 14:02:54.545)



Sequence Report

Audio precision



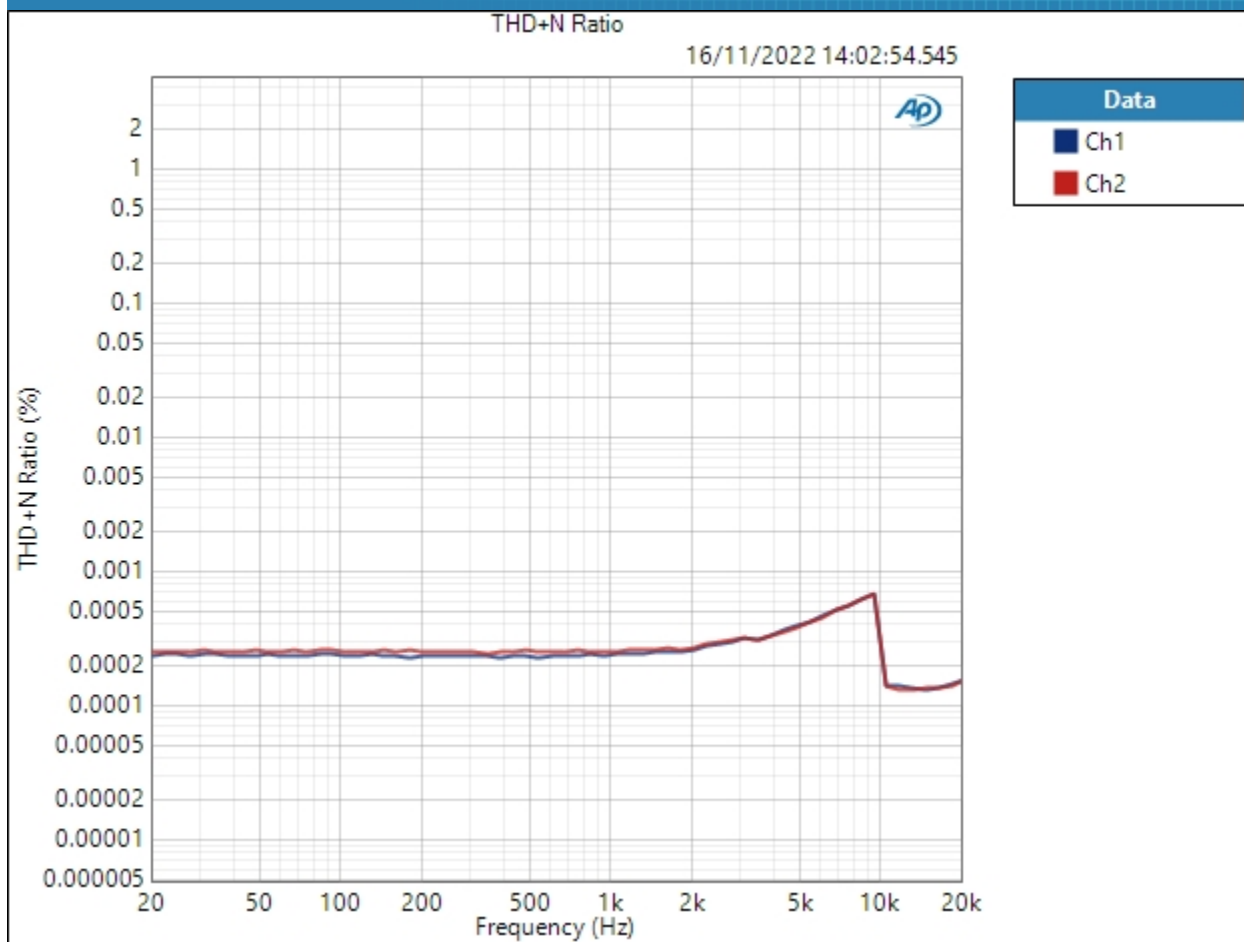
Result: ✔ PASSED

THD+N Ratio (16/11/2022 14:02:54.545)



Sequence Report

Audio precision

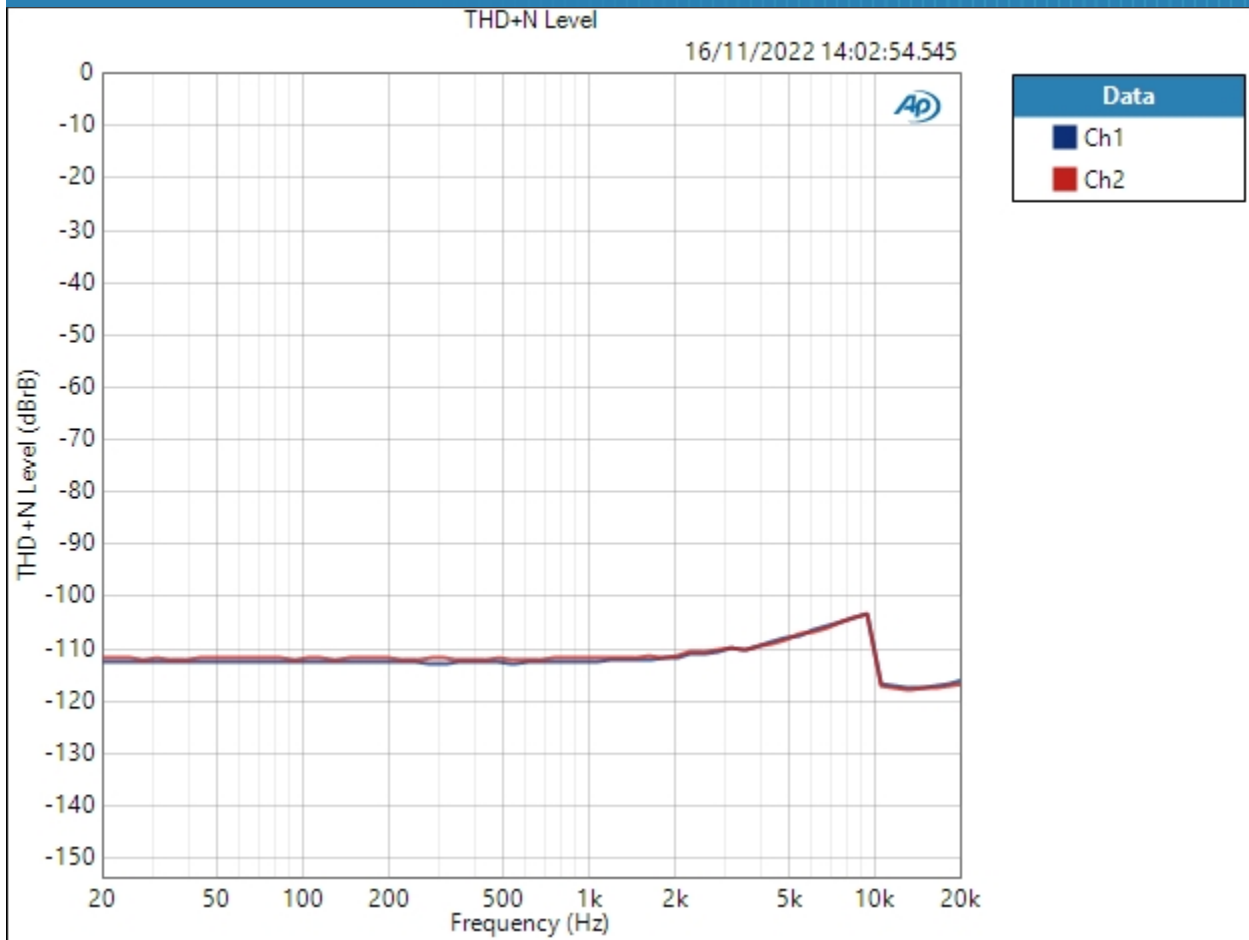


Result: ✔ PASSED

THD+N Level (16/11/2022 14:02:54.545)



Sequence Report



Result: PASSED



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : Dynamic Range - AES17

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 0.99700 kHz
Level Ratio: -60.000 dB
High-pass Filter: Signal Path
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: CCIR-2k

Dynamic Range - AES17 (16/11/2022 14:03:02.181)

Ch1 117.676 dB
Ch2 118.551 dB

SIG 2 - Main Measurements (44.1kHz) : Signal to Noise Ratio

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: Signal Path

Signal to Noise Ratio (16/11/2022 14:03:05.476)

Ch1 118.865 dB
Ch2 119.661 dB



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : IMD (SMPTE)

IMD Type: SMPTE
Waveform: IMD
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency 1: 60.0000 Hz
Frequency 2: 7.00000 kHz
Frequency Ratio: 4:1
IMD Split: False

SMPTE Ratio (16/11/2022 14:03:07.412)

Ch1 -95.957 dB
Ch2 -97.064 dB

SMPTE Distortion Product Ratio (16/11/2022 14:03:07.412)

| Channel | f1 | d5 | d4 | d3 | d2 | f2 | d2 | d3 | d4 | d5 |
|---------|-------|---------|---------|---------|---------|--------|--------|---------|---------|---------|
| | 60.00 | 6.760k | 6.820k | 6.880k | 6.940k | 7.000k | 7.060k | 7.120k | 7.180k | 7.240k |
| Ch1 | 11.97 | -121.88 | -116.34 | -112.59 | -100.92 | 0.00 | -99.25 | -111.76 | -113.21 | -127.34 |
| | 60.00 | 6.760k | 6.820k | 6.880k | 6.940k | 7.000k | 7.060k | 7.120k | 7.180k | 7.240k |
| Ch2 | 11.98 | -124.34 | -117.20 | -114.19 | -101.29 | 0.00 | -99.69 | -117.52 | -113.80 | -127.36 |

SMPTE Distortion Product Ratio Parameters

Frequency Unit: Hz
Ratio Unit: dB
Channel: Ch1



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : 50hz/7khz IMD SMPTE FFT

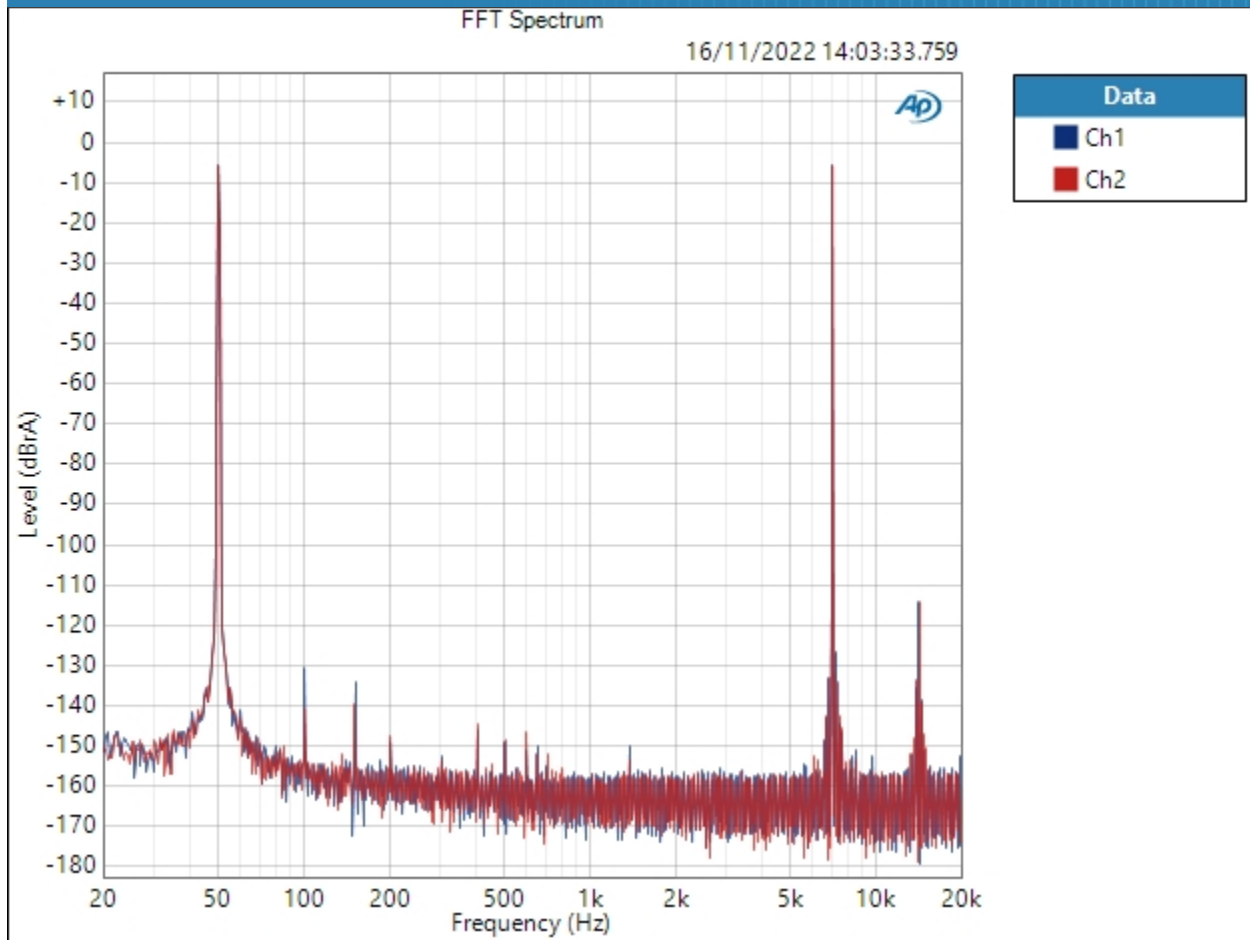
Waveform: Sine, Dual
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 50.0000 Hz
Frequency B: 7.00000 kHz
IMD Split: No
FB:FA Ratio: 1.000 x/y
Secondary Source: None
Measured 1: 16/11/2022 14:03:33
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 500.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:03:33.759)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio 
precision

SIG 2 - Main Measurements (44.1kHz) : IMD Level Sweep (SMPTE)

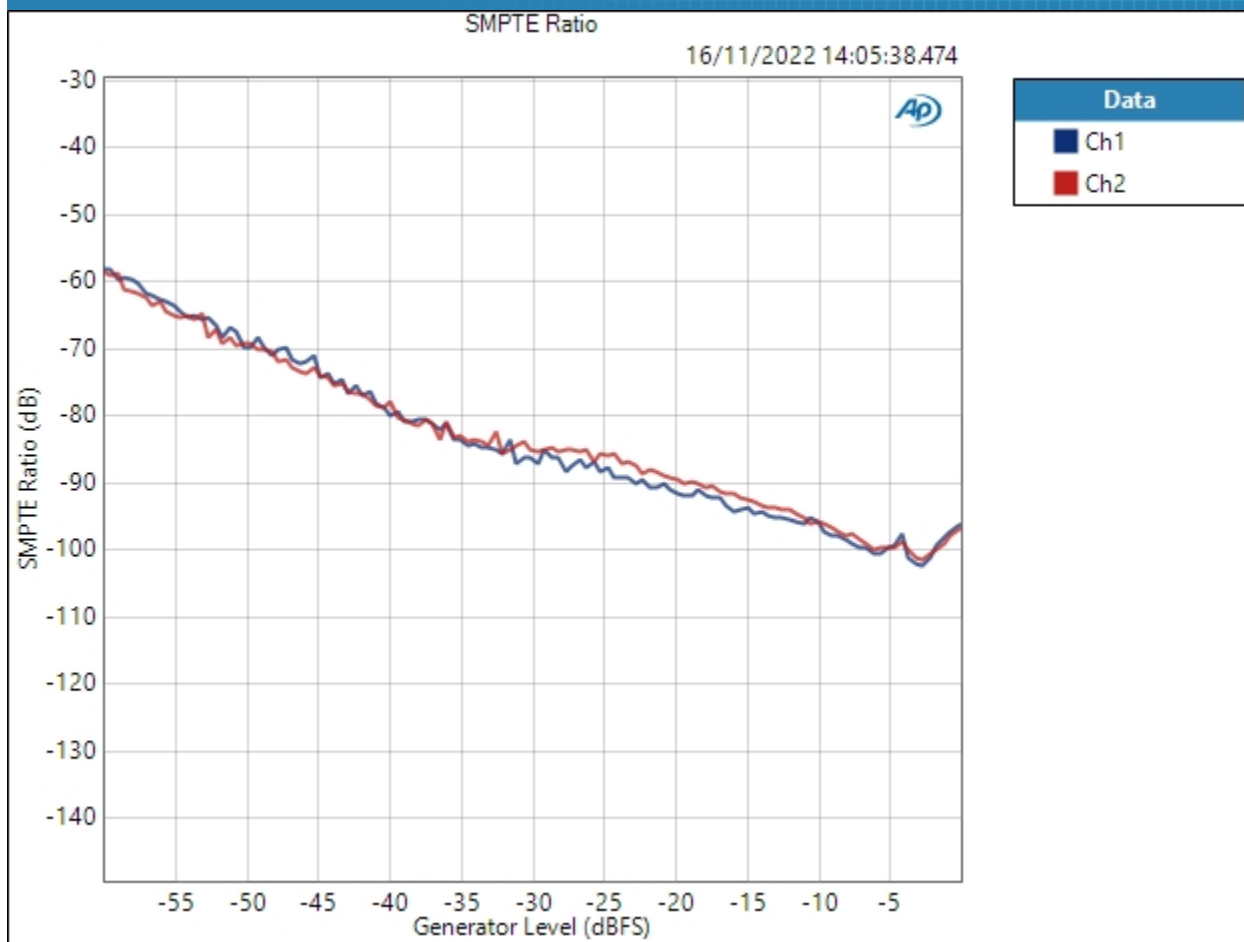
IMD Type: SMPTE
Frequency 1: 60.0000 Hz
Frequency 2: 7.00000 kHz
Frequency Ratio: 4:1
IMD Split: False
Start Level: -60.000 dBFS
Stop Level: -0.000 dBFS
Step Type: Linear
Number of Points: 124
Step Size: +0.488 dBFS
Measured 1 16/11/2022 14:05:38

SMPTE Ratio (16/11/2022 14:05:38.474)



Sequence Report

Audio
precision



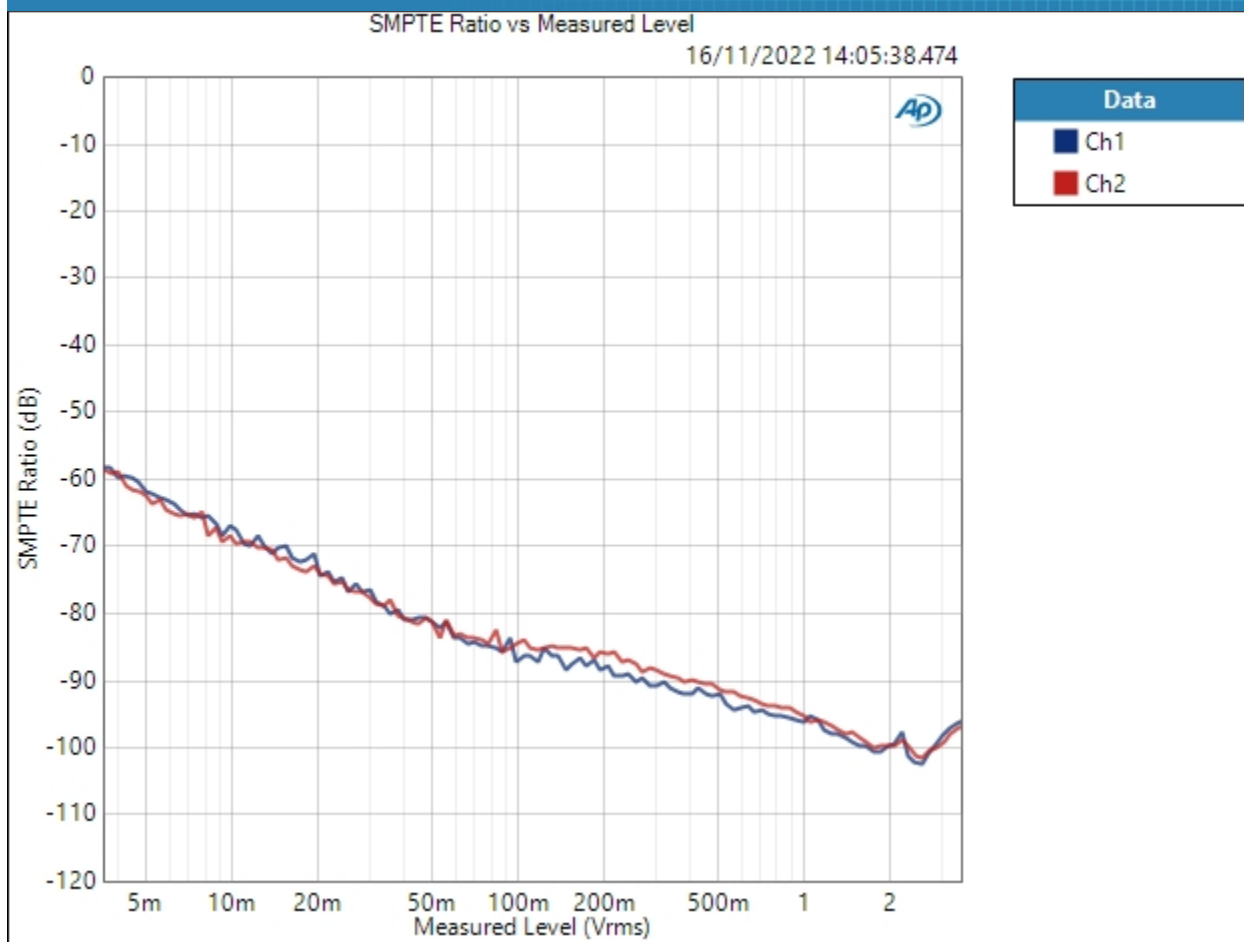
Result: ✔ PASSED

SMPTE Ratio vs Measured Level (16/11/2022 14:05:38.474)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio 
precision

SIG 2 - Main Measurements (44.1kHz) : Linearity

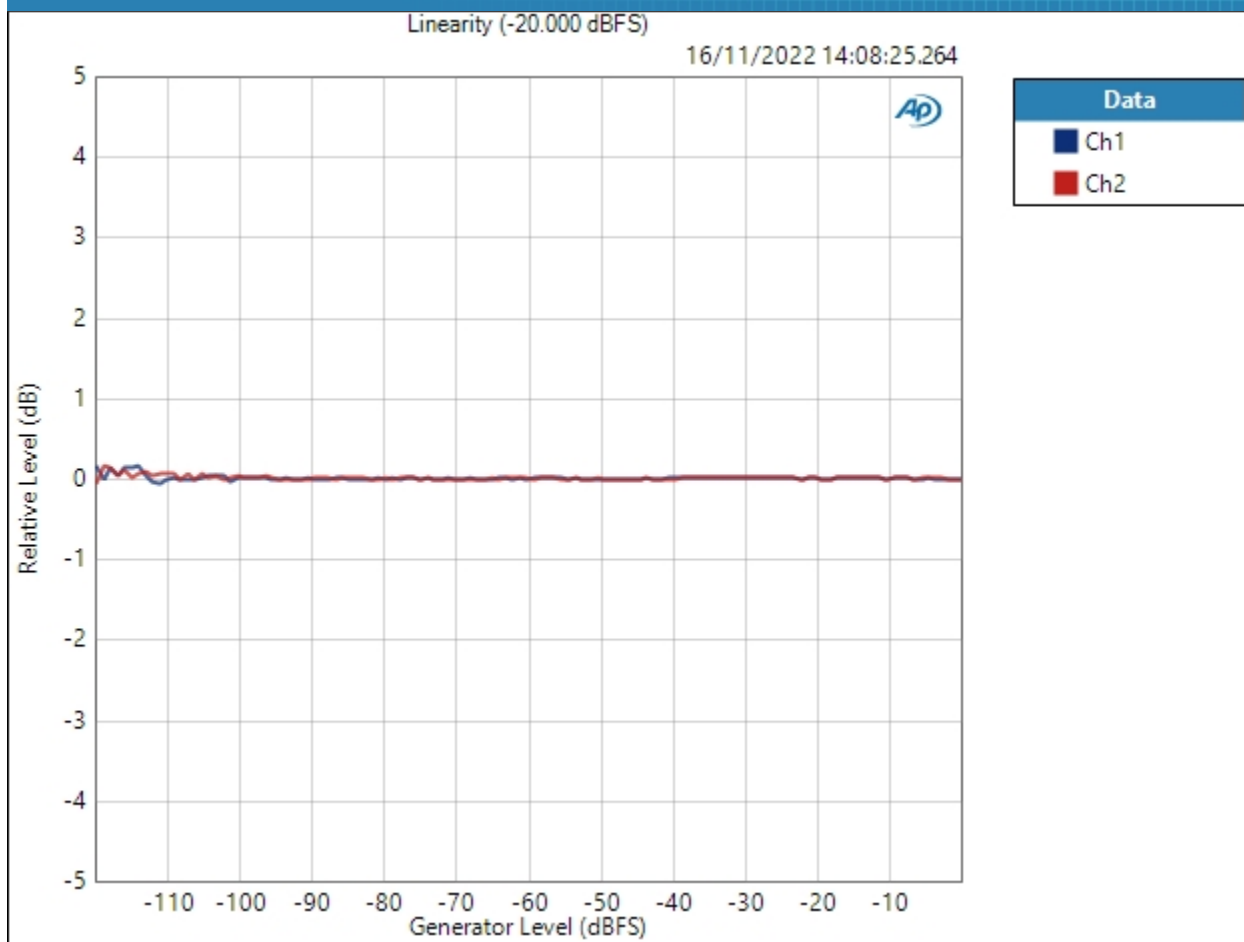
Waveform: Sine
Frequency: 1.00000 kHz
Start Level: -120.000 dBFS
Stop Level: -0.000 dBFS
Step Type: Linear
Number of Points: 124
Step Size: +0.976 dBFS
Offset: 0.000 D
Selectivity: 1/24 octave
Bandpass Tuning Mode: Generator Frequency
Measured 1 16/11/2022 14:08:25

Linearity (-20.000 dBFS) (16/11/2022 14:08:25.264)



Sequence Report

Audio
precision



Linearity (-20.000 dBFS) Parameters

Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result: PASSED



Sequence Report

Audio Precision

SIG 2 - Main Measurements (44.1kHz) : Linearity (No Bandpass)

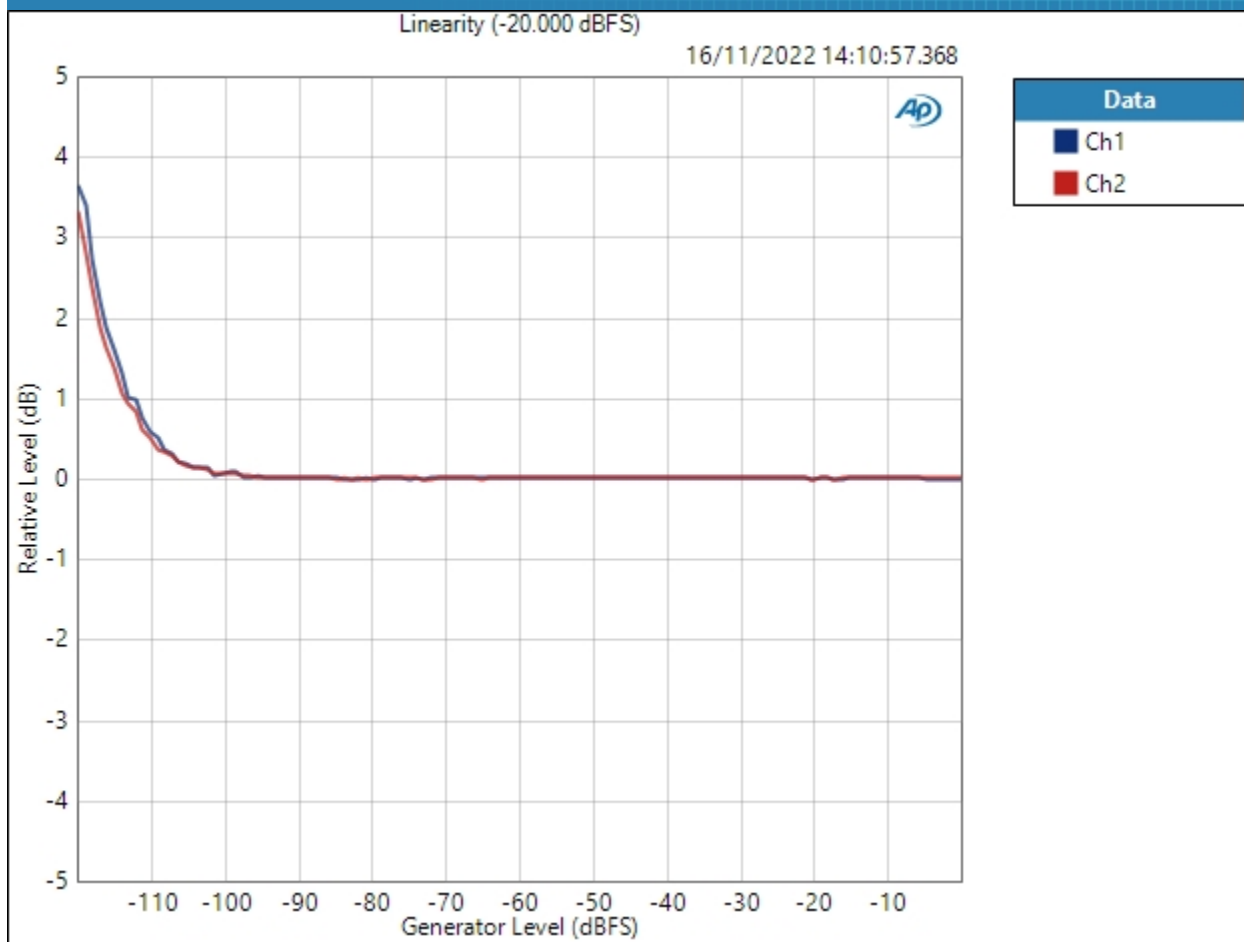
| | |
|----------------------|---------------------|
| Waveform: | Sine |
| Frequency: | 1.00000 kHz |
| Start Level: | -120.000 dBFS |
| Stop Level: | -0.000 dBFS |
| Step Type: | Linear |
| Number of Points: | 124 |
| Step Size: | +0.976 dBFS |
| Offset: | 0.000 D |
| High-pass Filter: | Elliptic |
| High-pass Frequency: | 20 Hz |
| Low-pass Filter: | Elliptic |
| Low-pass Frequency: | 20 kHz |
| Weighting Filter: | Signal Path |
| Notch Tuning Mode: | Generator Frequency |
| Measured 1 | 16/11/2022 14:10:57 |

Linearity (-20.000 dBFS) (16/11/2022 14:10:57.368)



Sequence Report

Audio
precision



Linearity (-20.000 dBFS) Parameters

Mode: Normalized at Reference

Relative Level: -20.000 dBFS

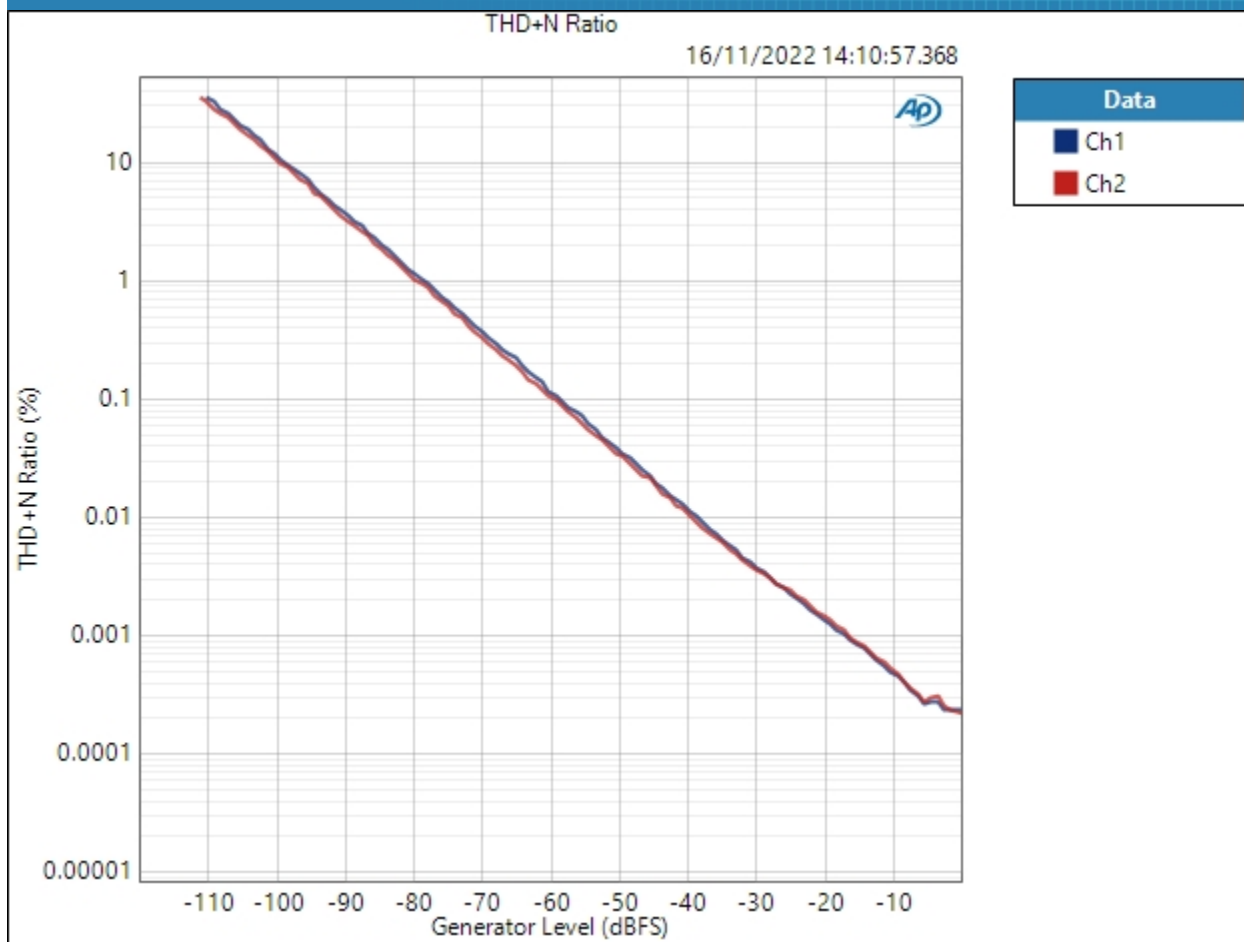
Result: ✔ PASSED

THD+N Ratio (16/11/2022 14:10:57.368)



Sequence Report

Audio precision



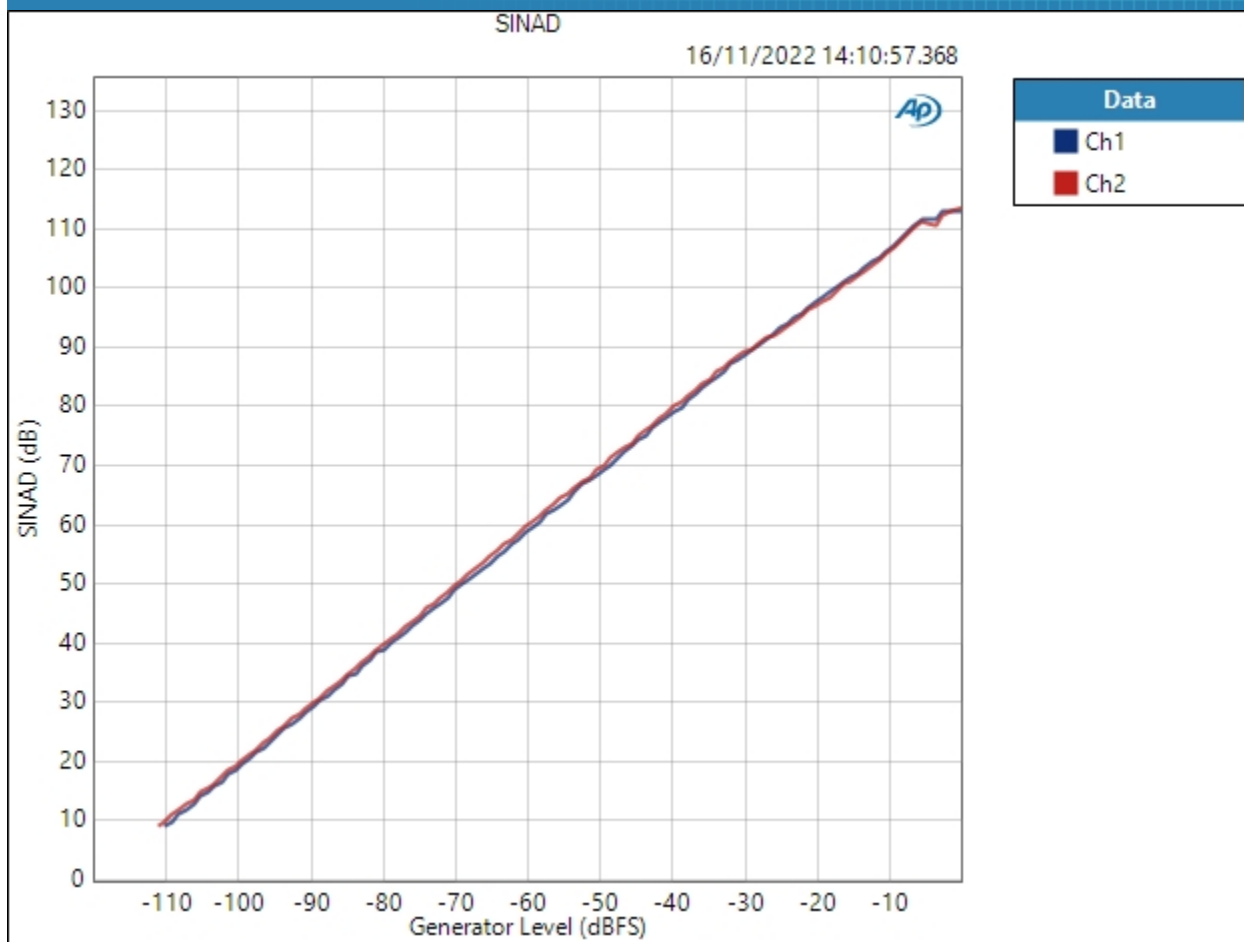
Result: ✔ PASSED

SINAD (16/11/2022 14:10:57.368)



Sequence Report

Audio precision



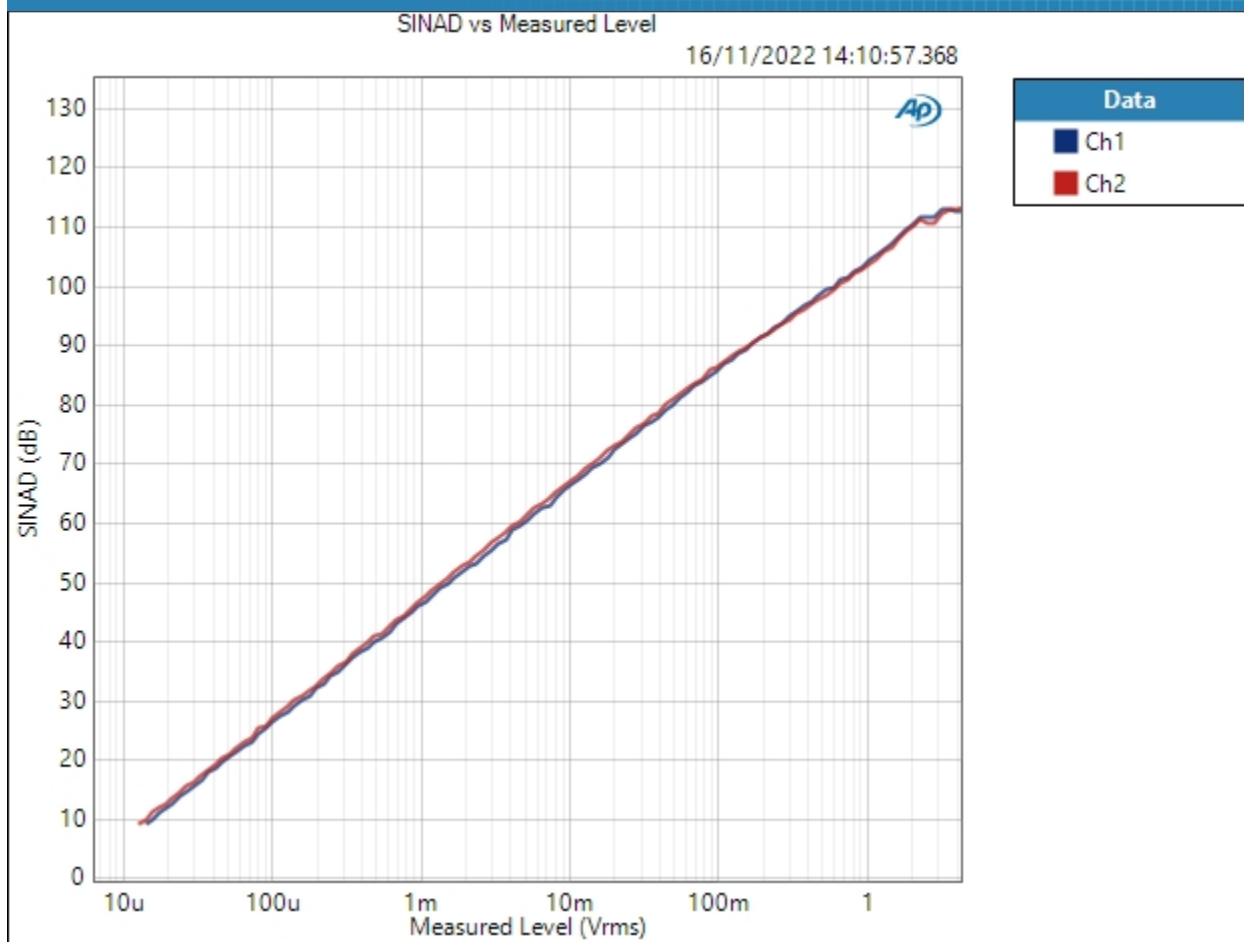
Result: PASSED

SINAD vs Measured Level (16/11/2022 14:10:57.368)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio
precision

SIG 2 - Main Measurements (44.1kHz) : Crosstalk Sweep, One Channel Driven

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Start Frequency: 20.0000 kHz

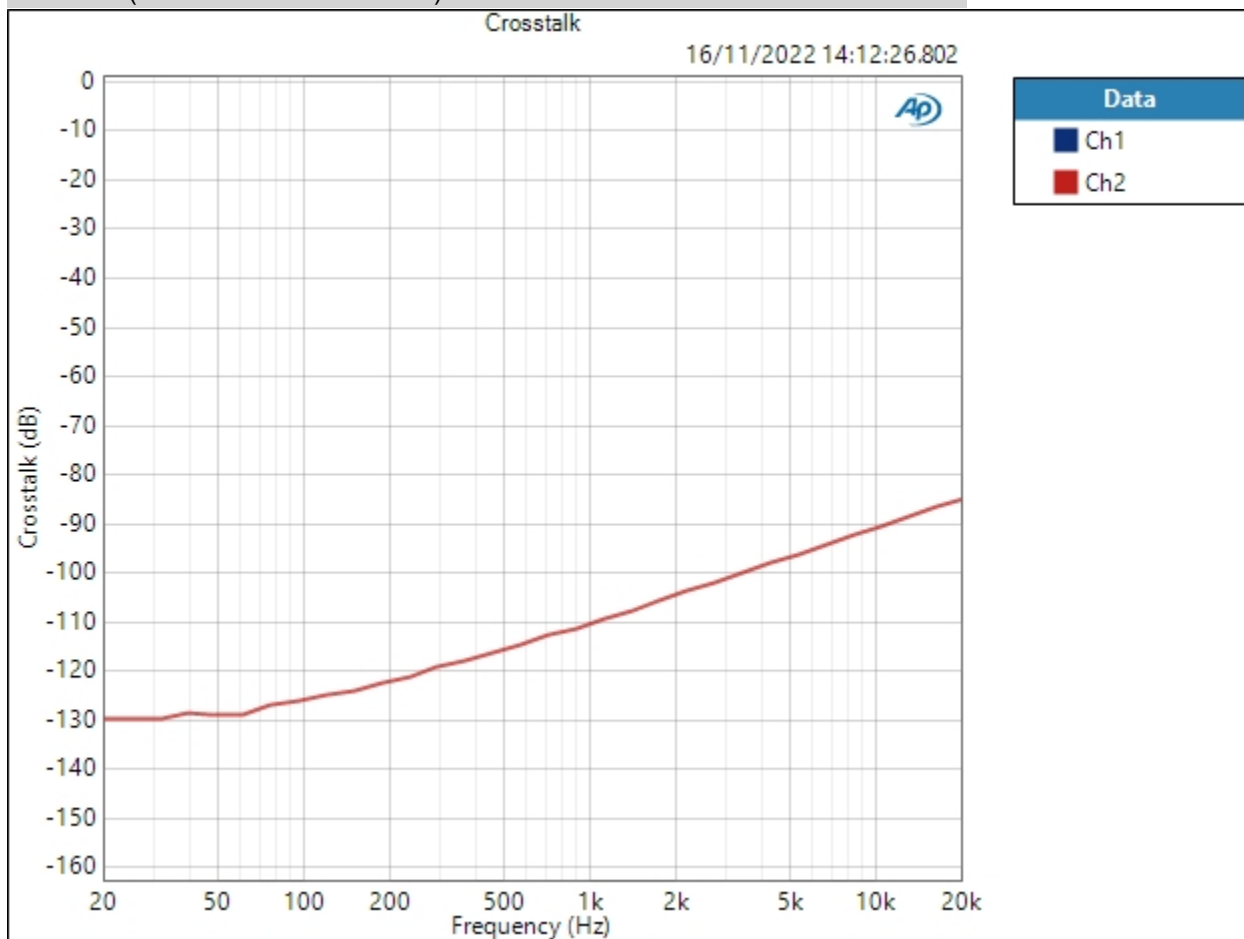
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 16/11/2022 14:12:26

Crosstalk (16/11/2022 14:12:26.802)





Sequence Report

Audio
precision

Crosstalk Parameters

Source: Ch1

Result:  PASSED

SIG 2 - Main Measurements (44.1kHz) : DC Offset (active)

Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Delay Time: 400.0 ms
Acquisition Time: 333.0 ms

DC Level (16/11/2022 14:14:02.260)

Ch1 28.76 uV
Ch2 5.928 mV

SIG 2 - Main Measurements (44.1kHz) : DC Offset (idle)

Waveform: Sine
Generator Level: $-\infty$ dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (16/11/2022 14:14:08.550)

Ch1 49.24 uV
Ch2 -2.624 mV



Sequence Report

Audio
precision

SIG 3 - 44.1kHz Jitter : Signap Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 44.1000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Auto (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - 90k (192 kHz SR) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |
| dB SPL2 Calibrator Level: | -31.000 dB SPL |



Sequence Report

Audio 
precision

| | |
|-------------------------|-----------------|
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 8.000 ohm |
| • DCX | |
| DCX is not detected. | |
| • Clocks | |
| Output Rate: | Track Output SR |
| 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 |



Sequence Report

Audio 
precision

SIG 3 - 44.1kHz Jitter : 44.1kHz J-Test (Jitter)

Waveform: J-test_44k_PCM24_LR.wav

Bit Exact: True

Start Offset (sec): 0.000 s

Secondary Source: None

Measured 1 16/11/2022 14:15:12

Acquisition Type: Auto

Trigger: Free Run

Delay Time: 500.0 ms

Input Bandwidth: Use Signal Path

FFT Length: 1248000

Averaging: Power

Averages: 8

Window: AP-Equiripple

Record Acquisition: False

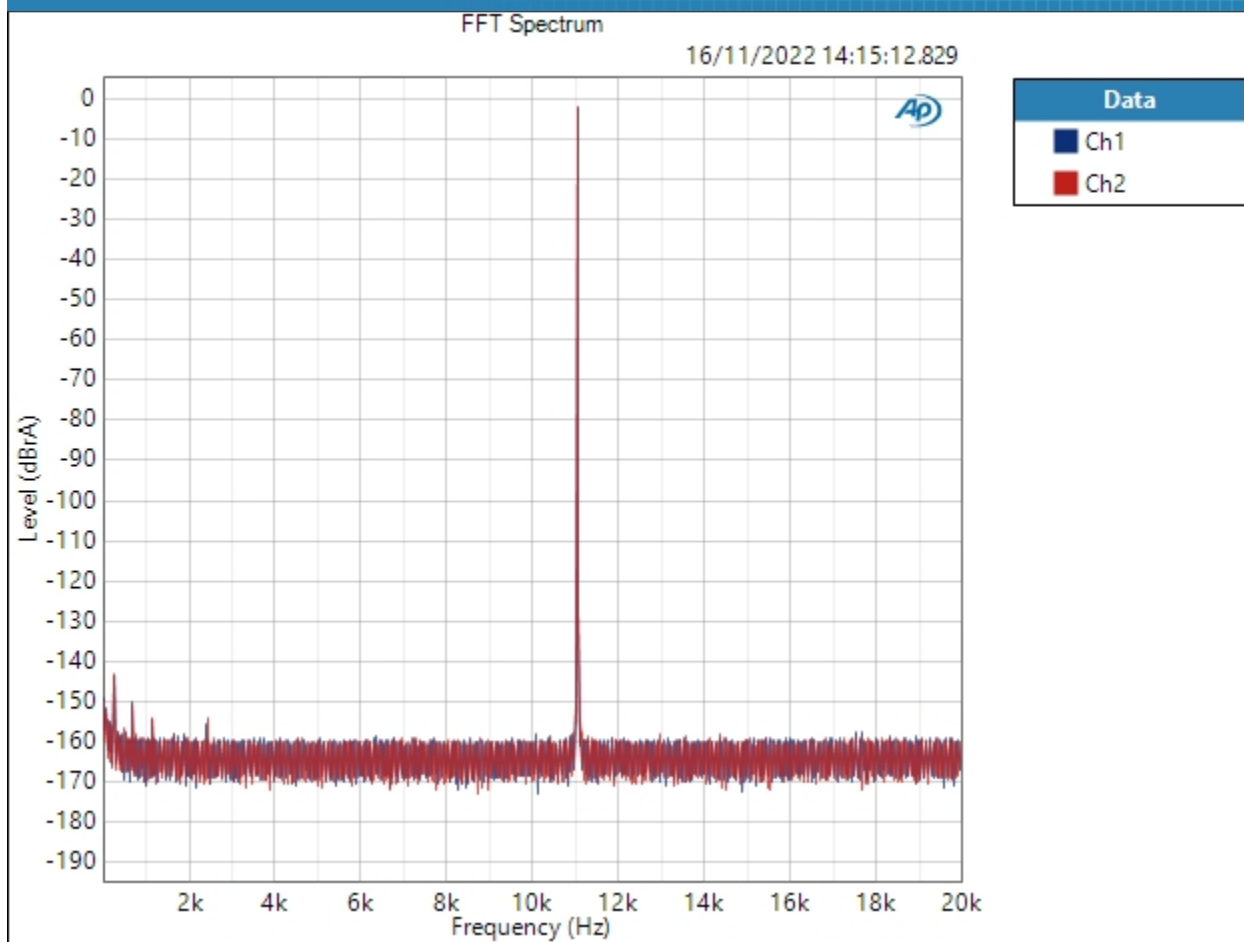
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:15:12.829)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio
precision

SIG 4 - 48khz Jitter : Signap Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 48.0000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Auto (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - AES17 (20 kHz) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |
| dB SPL2 Calibrator Level: | -31.000 dB SPL |



Sequence Report

Audio 
precision

| | |
|-------------------------|-----------------|
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 8.000 ohm |
| • DCX | |
| DCX is not detected. | |
| • Clocks | |
| Output Rate: | Track Output SR |
| 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 |



Sequence Report

Audio Precision

SIG 4 - 48khz Jitter : 48khz J-Test (Jitter)

Waveform: J-test_48k_PCM24_LR.wav

Bit Exact: True

Start Offset (sec): 0.000 s

Secondary Source: None

Measured 1 16/11/2022 14:19:47

Acquisition Type: Auto

Trigger: Free Run

Delay Time: 500.0 ms

Input Bandwidth: Use Signal Path

FFT Length: 1248000

Averaging: Power

Averages: 4

Window: AP-Equiripple

Record Acquisition: False

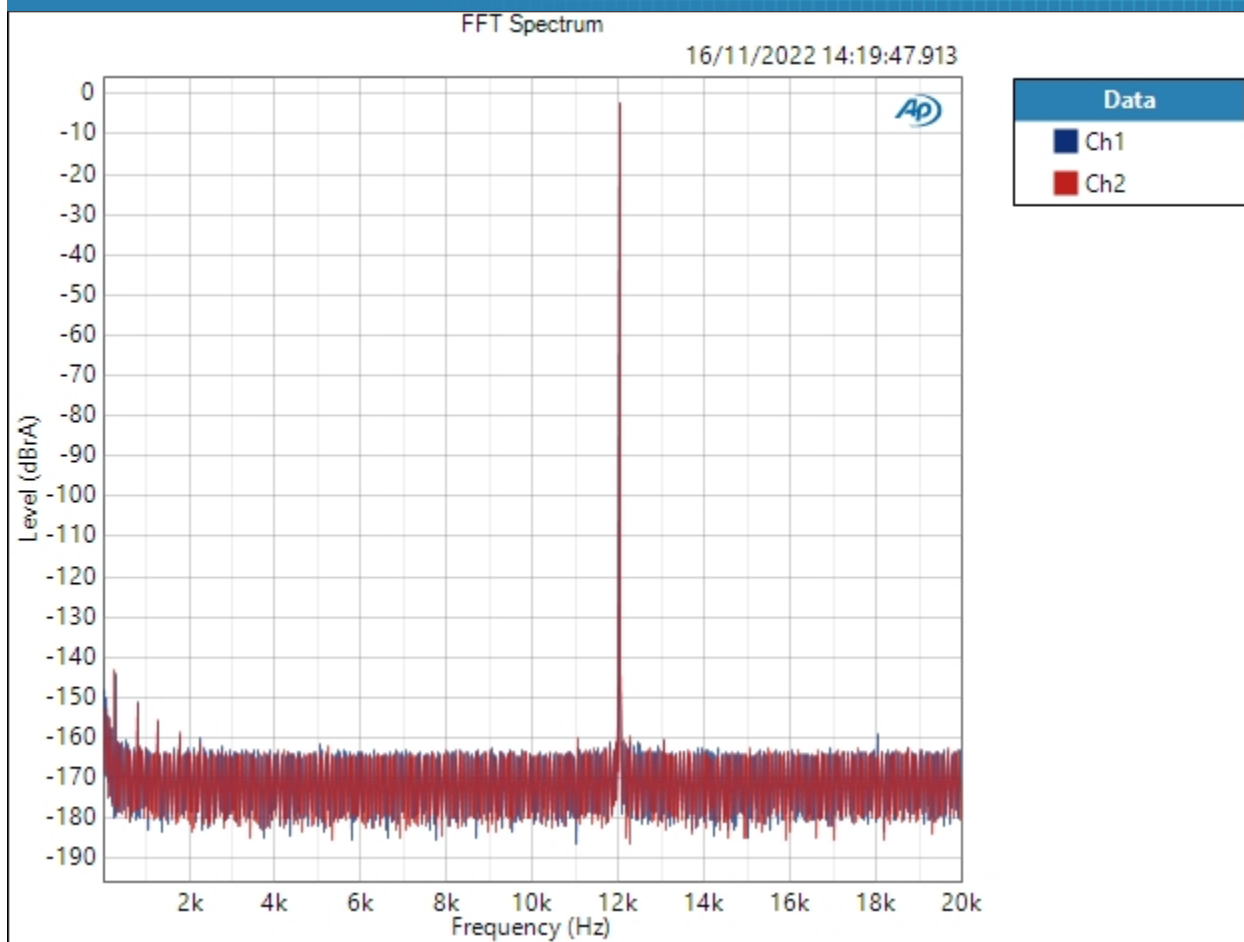
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:19:47.913)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio
precision

SIG 4 - Multitone and bandwidth (192kHz) : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 192.000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Custom (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - 90k (192 kHz SR) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |
| dB SPL2 Calibrator Level: | -31.000 dB SPL |



Sequence Report

Audio 
precision

| | |
|-------------------------|-----------------|
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 8.000 ohm |
| • DCX | |
| DCX is not detected. | |
| • Clocks | |
| Output Rate: | Track Output SR |
| 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 |



Sequence Report

Audio 
precision

SIG 4 - Multitone and bandwidth (192khz) : 90khz Bandwidth

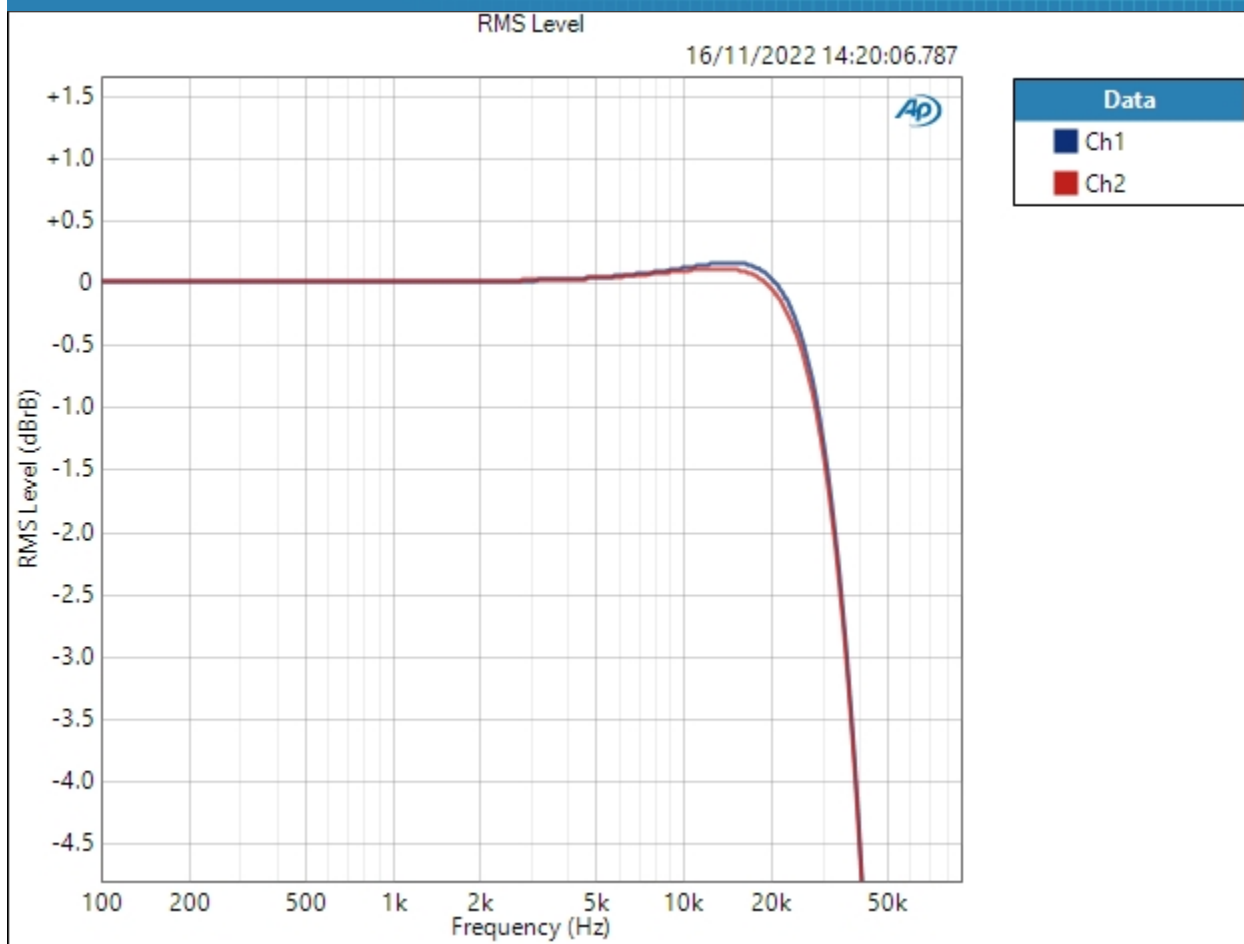
Start Frequency: 20.0000 Hz
Stop Frequency: 90.0000 kHz
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
EQ: None
Pre-Sweep: 500.0 ms
Sweep: 5.000 s
Extend Acquisition By: 500.0 ms
Secondary Source: None
Measured 1 16/11/2022 14:20:06

RMS Level (16/11/2022 14:20:06.787)



Sequence Report

Audio precision



Result: PASSED



Sequence Report

Audio Precision

SIG 4 - Multitone and bandwidth (192khz) : 32 Tone Test

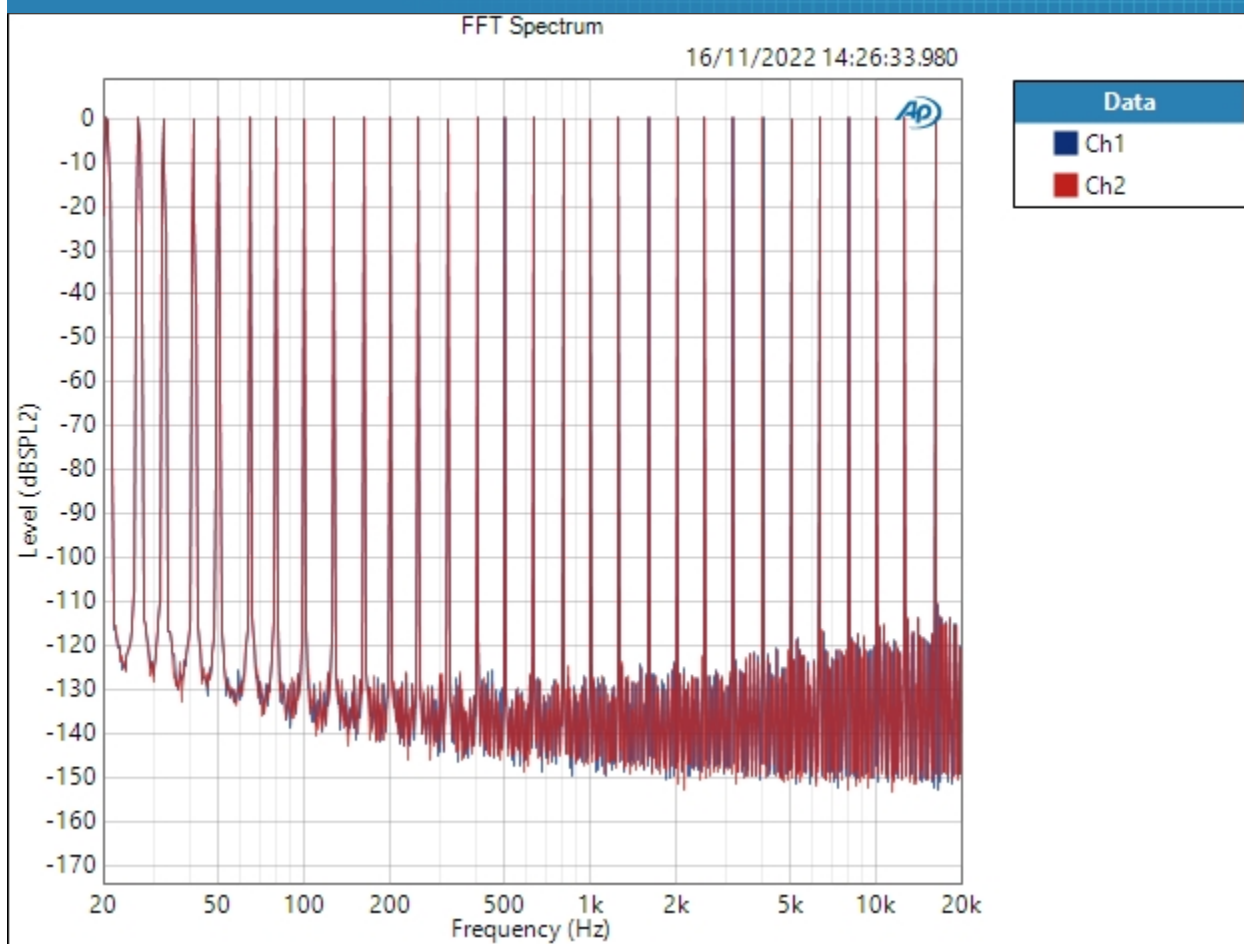
Waveform: APx555 Multitone 32 192 khz 24 bit.wav
Bit Exact: True
Start Offset (sec): 0.000 s
Secondary Source: None
Measured 1: 16/11/2022 14:26:33
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 100.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 6
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:26:33.980)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio 
precision

SIG 4 - Multitone and bandwidth (192kHz) : THD+N vs frequency (90kHz band limit)

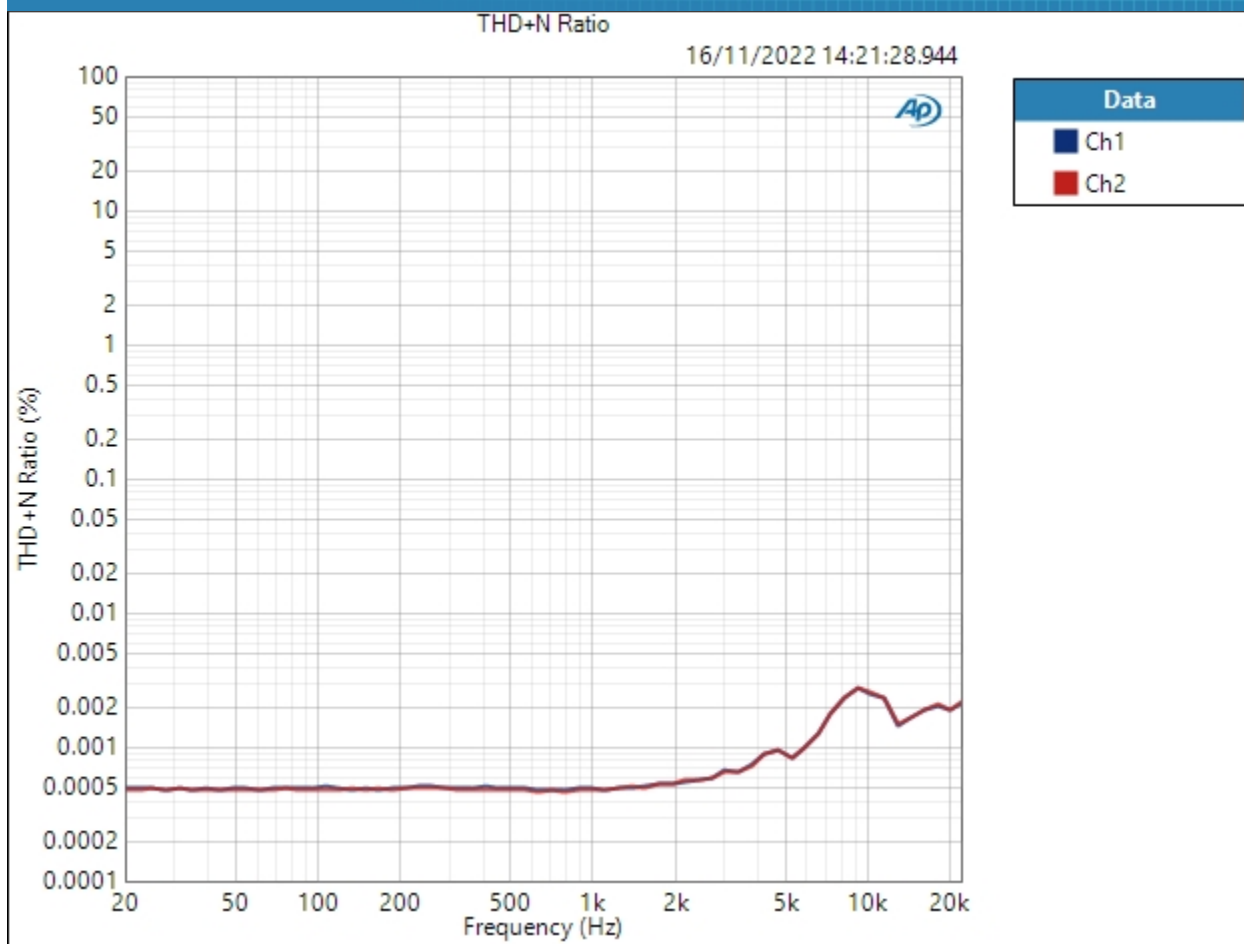
| | |
|----------------------|---------------------|
| Waveform: | Sine |
| Generator Level: | -0.000 dBFS |
| DC Offset: | 0.000 D |
| EQ: | None |
| Start Frequency: | 22.0059 kHz |
| Stop Frequency: | 20.0000 Hz |
| Step Type: | Logarithmic |
| Number of Points: | 64 |
| High-pass Filter: | Elliptic |
| High-pass Frequency: | 20 Hz |
| Low-pass Filter: | Signal Path |
| Weighting Filter: | Signal Path |
| Phase Ref Channel: | Ch1 |
| Measured 1 | 16/11/2022 14:21:28 |

THD+N Ratio (16/11/2022 14:21:28.944)



Sequence Report

Audio precision



Result: ✔ PASSED



Sequence Report

Audio
precision

SIG 5 - Wideband and Intersample Overs : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | ASIO |
| Asio Device: | ASIO Chord 1.05 |
| Scaling Mode: | Digital |
| Output Sample Rate: | 44.1000 kHz |
| Output Latency: | Auto |
| Buffer Size: | 1024 |
| Clock Source: | Internal |
| Input 1: | Analog Unbalanced |
| Measure: | Auto |
| Channels: | Auto (2 Channels) |
| Ch1 | Data from Ch1, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Ch2 | Data from Ch2, Sensitivity = 0.00 dB, Gain = 0.00 dB |
| Input Bandwidth: | AC (<10 Hz) - 1M (2.496 MHz SR) |
| Input EQ: | None |
| Termination: | 100 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | -20.000 dBFS |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.301 Vrms |
| dBrB: | 4.301 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 3.000 dB |
| dB SPL1: | 4.301 Vrms |
| dB SPL2: | 10.00 mVrms |
| dB SPL1 Calibrator Level: | 60.000 dB SPL |
| dB SPL2 Calibrator Level: | -31.000 dB SPL |



Sequence Report

Audio 
precision

| | |
|-------------------------|-----------------|
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 8.000 ohm |
| • DCX | |
| DCX is not detected. | |
| • Clocks | |
| Output Rate: | Track Output SR |
| 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 |



Sequence Report

Audio
precision

SIG 5 - Wideband and Intersample Overs : Wideband idle noise

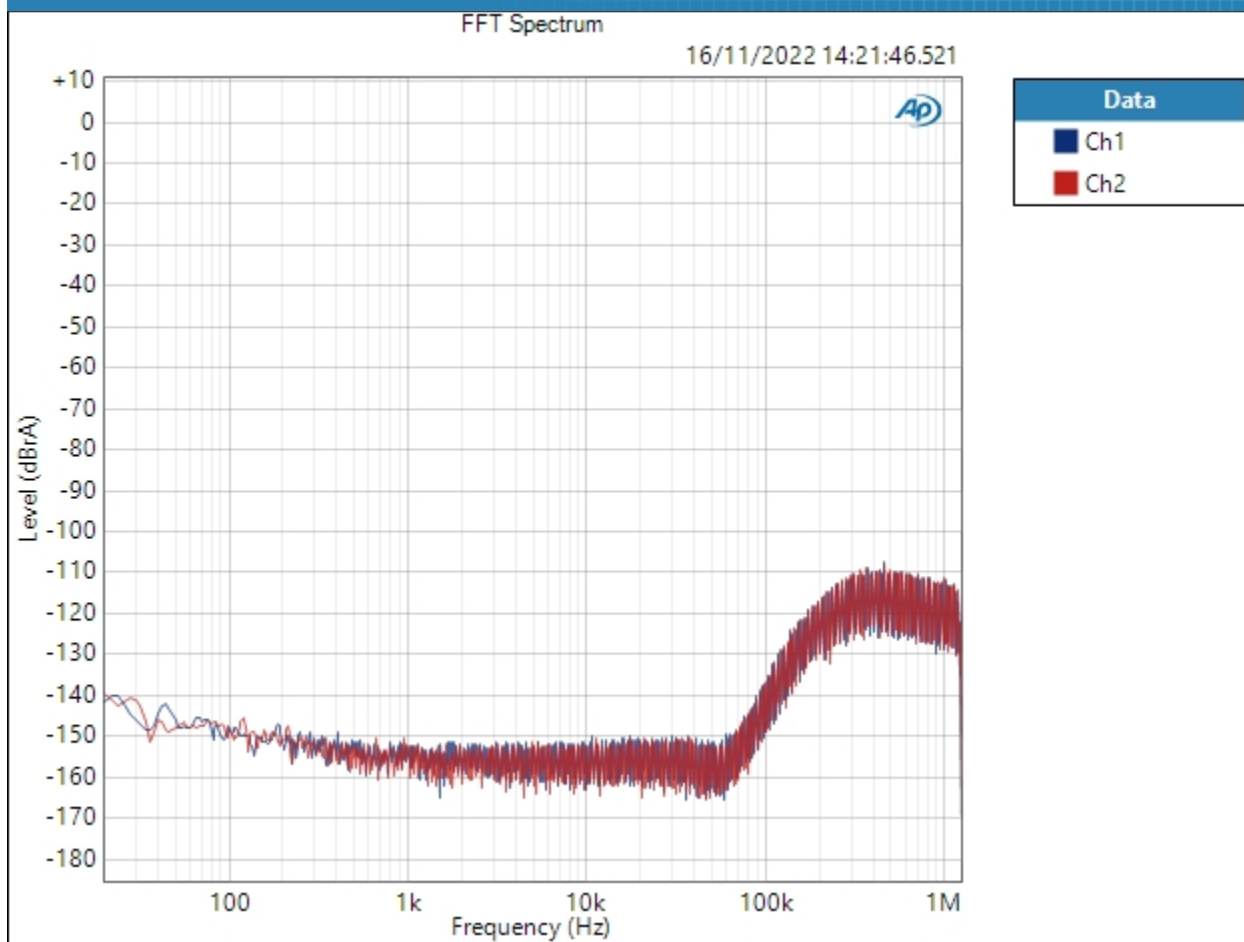
Waveform: Sine
Generator Level: $-\infty$ dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 16/11/2022 14:21:46
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 6
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:21:46.521)



Sequence Report

Audio
precision



Result: PASSED



Sequence Report

Audio
precision

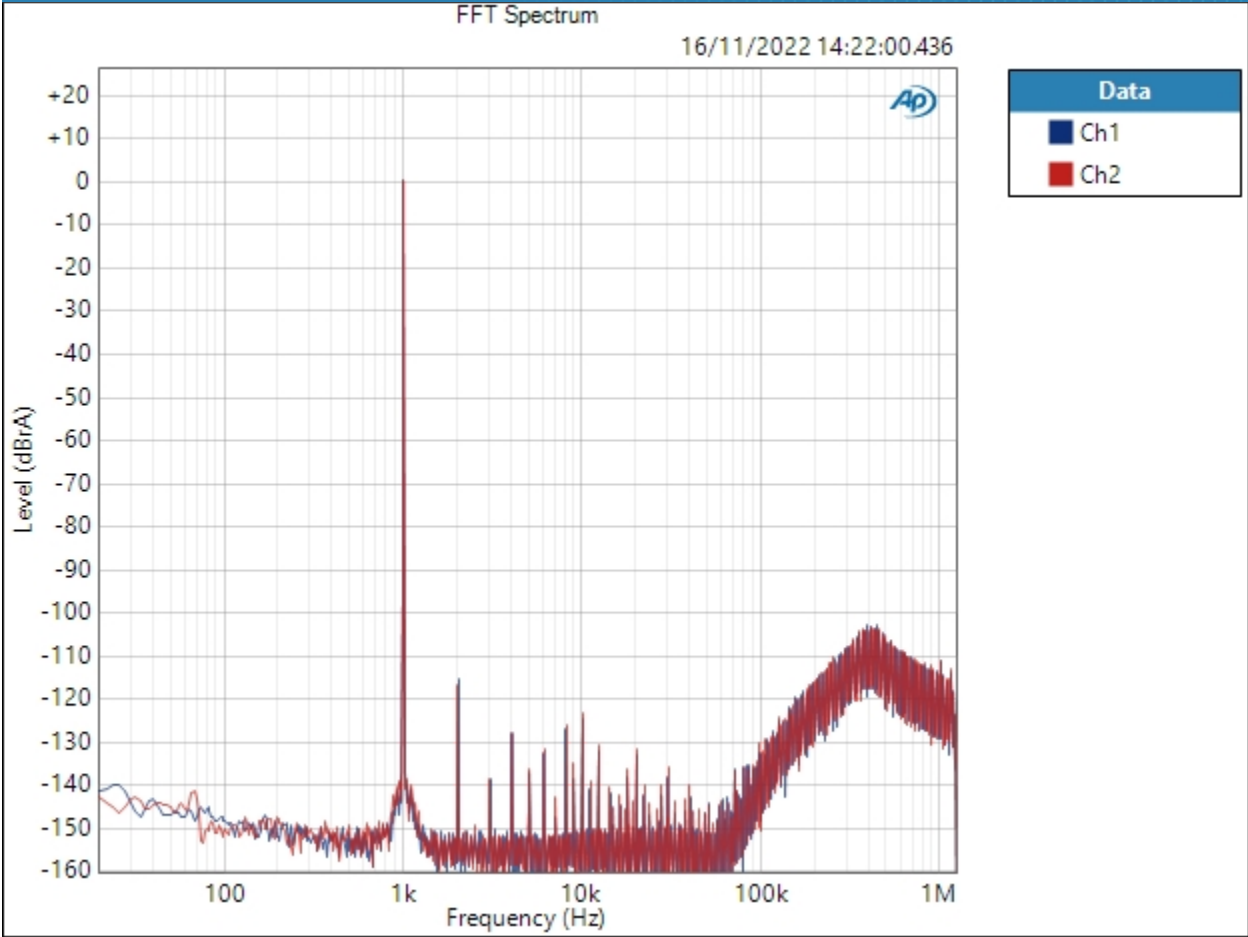
SIG 5 - Wideband and Intersample Overs : 1khz 0dbfs wideband

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 16/11/2022 14:22:00
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 6
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:22:00.436)



Sequence Report



Result: PASSED



Sequence Report

Audio
precision

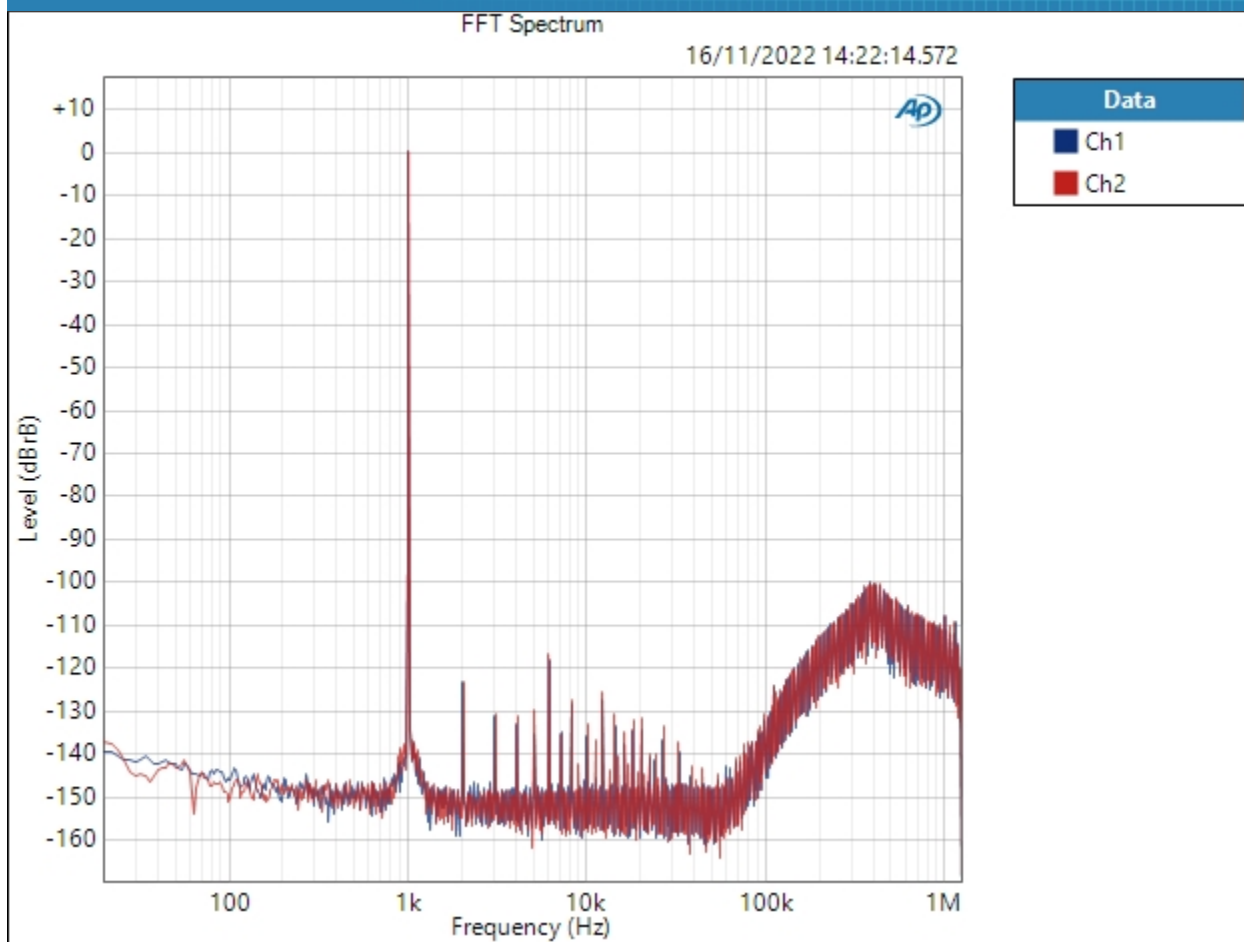
SIG 5 - Wideband and Intersample Overs : 1khz -3dbfs wideband

Waveform: Sine
Generator Level: -3.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 16/11/2022 14:22:14
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 6
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:22:14.572)



Sequence Report



Result: PASSED



Sequence Report

Audio 
precision

SIG 5 - Wideband and Intersample Overs : Intersample Overs (+3dB)

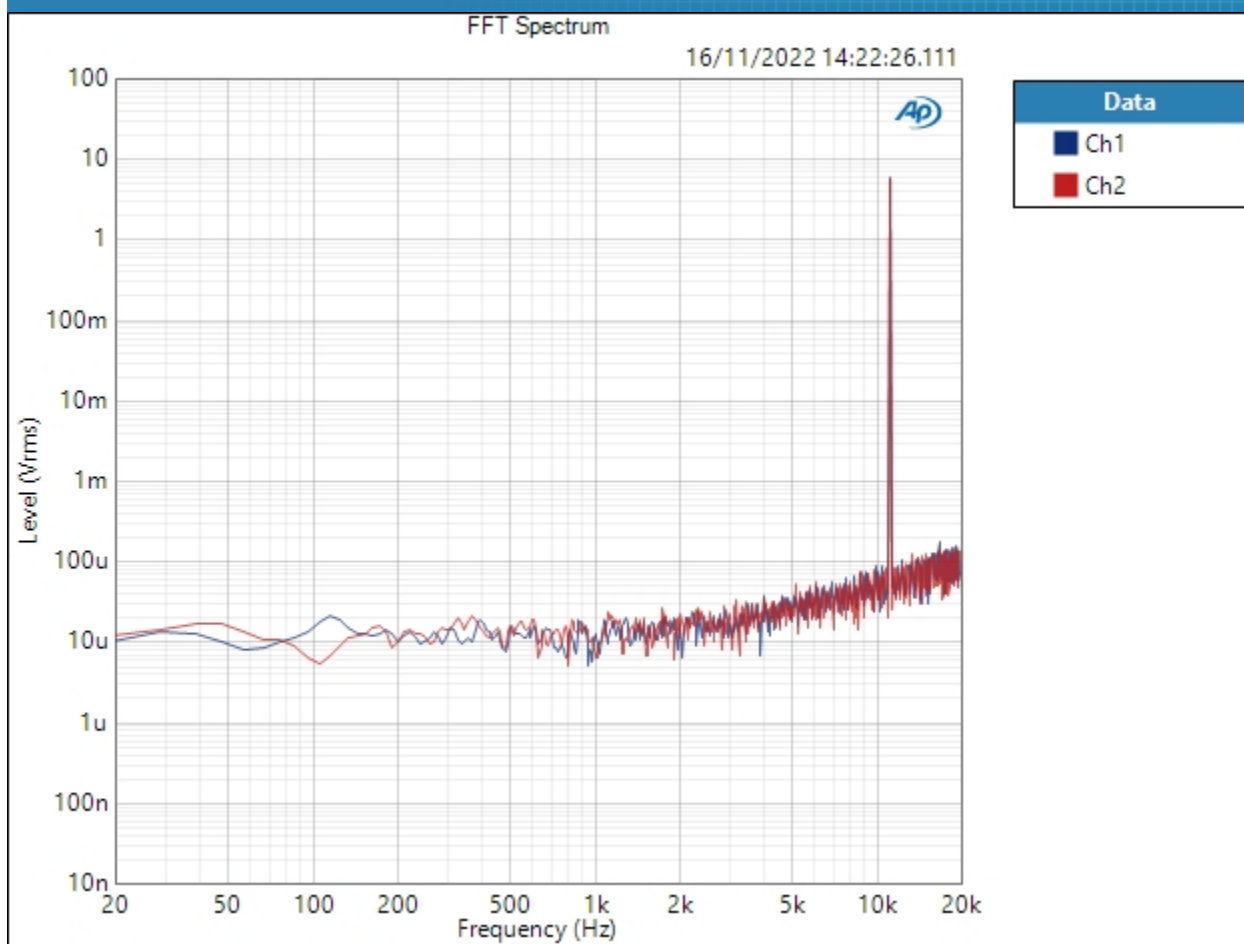
Waveform: Intersample overs +3dB.wav
Bit Exact: True
Start Offset (sec): 0.000 s
Secondary Source: None
Measured 1: 16/11/2022 14:22:26
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 1.000 s
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:22:26.111)



Sequence Report

Audio precision



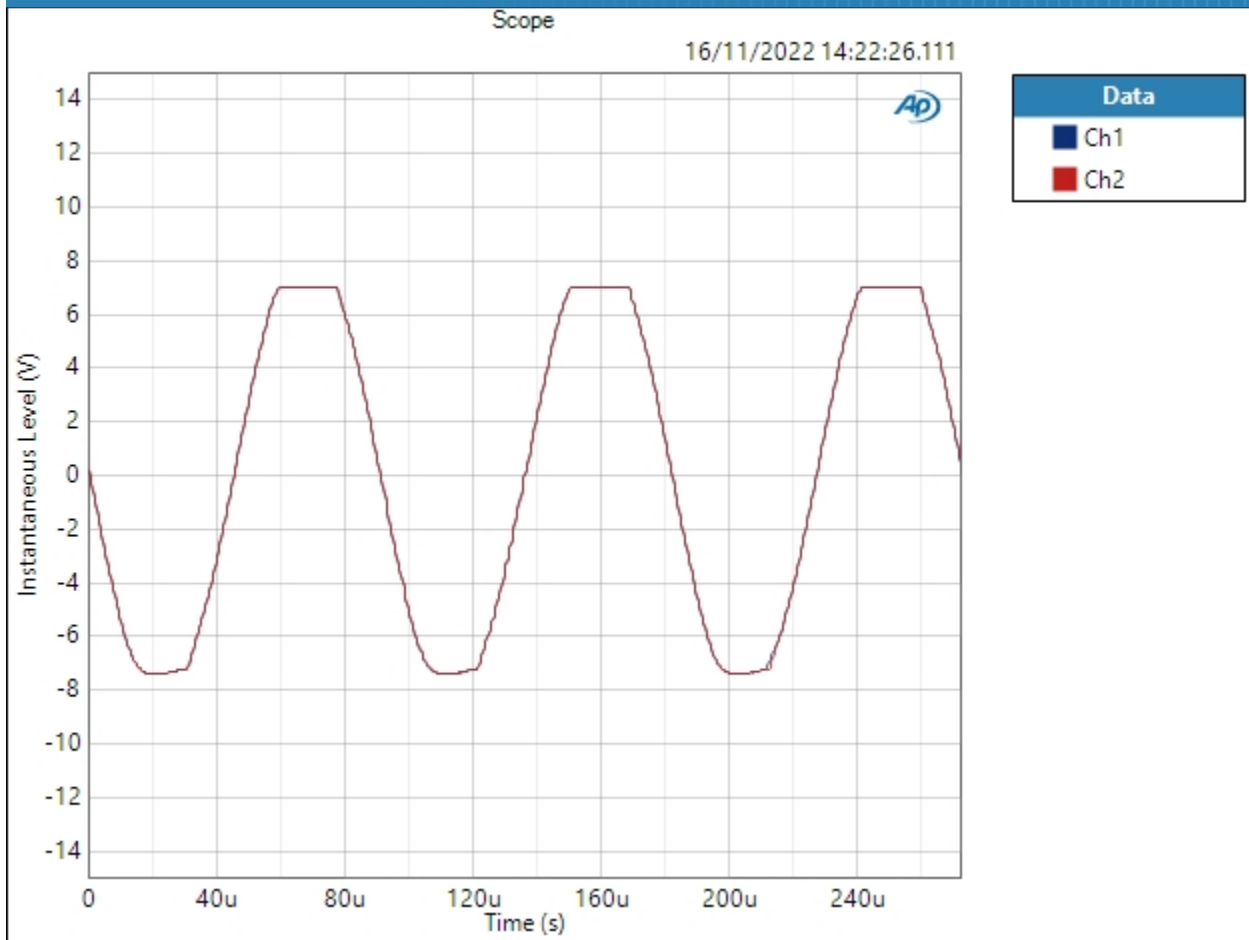
Result: ✔ PASSED

Scope (16/11/2022 14:22:26.111)



Sequence Report

Audio
precision



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report

Audio 
precision

SIG 5 - Wideband and Intersample Overs : Intersample Overs (+1dB)

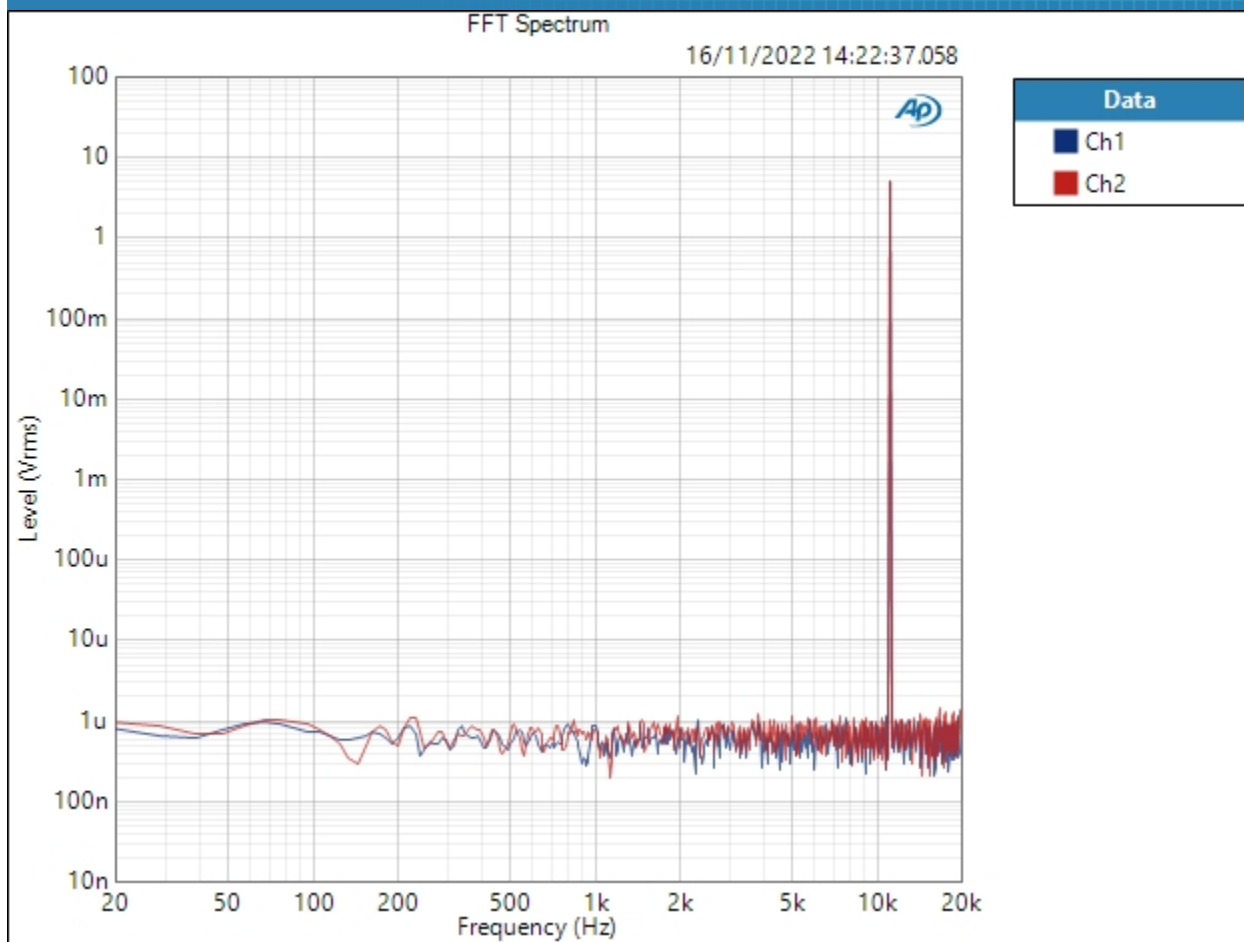
Waveform: Intersample Overs +1dB.wav
Bit Exact: True
Start Offset (sec): 0.000 s
Secondary Source: None
Measured 1: 16/11/2022 14:22:37
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 1.000 s
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 4
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (16/11/2022 14:22:37.058)



Sequence Report

Audio precision



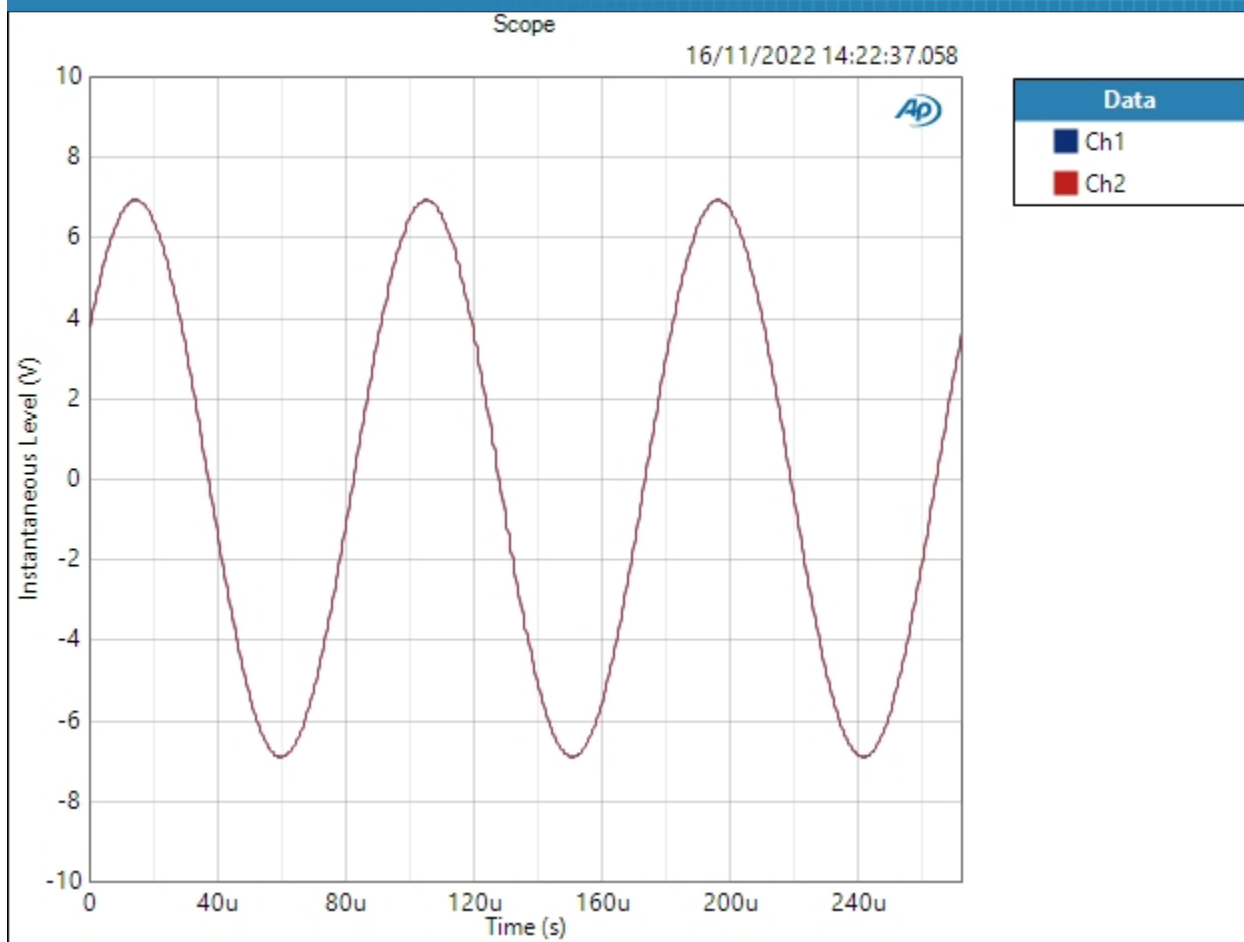
Result: ✔ PASSED

Scope (16/11/2022 14:22:37.058)



Sequence Report

Audio precision



Scope Parameters

Interpolated: On

Result: PASSED