



Sequence Report



Pre-Sequence Inputs:

ID:

Summary

SIG 0 - Gain

Level and Gain ✓ PASSED

SIG 1 - Bandwidth

200khz Bandwidth/Frequency Response ✓ PASSED

SIG 2 - 4Vrms 20hz-20khz Tests

Level and Gain ✓ PASSED

THD+N ✓ PASSED

Frequency Response ✓ PASSED

Signal to Noise Ratio ✓ PASSED

SINAD ✓ PASSED

IMD FFT ✓ PASSED

IMD Level Sweep (SMPTE) ✓ PASSED

1khz FFT ✓ PASSED

50hz FFT ✓ PASSED

DIM ✓ PASSED

DIM Level Sweep ✓ PASSED

Crosstalk Sweep, One Channel Undriven ✓ PASSED

THD+N vs Frequency ✓ PASSED

DC Level (Active) ✓ PASSED

DC Level (Idle) ✓ PASSED

32 Tone Test ✓ PASSED

SIG 3 - Square Wave

Square Wave ✓ PASSED

SIG 4 - THD+N 90Khz

Stepped Frequency Sweep ✓ PASSED

SIG 5 - 700mV Performance Tests (Headphone Level)

Level and Gain ✓ PASSED

THD+N ✓ PASSED

Signal to Noise Ratio ✓ PASSED

SINAD ✓ PASSED

IMD FFT ✓ PASSED

1khz FFT ✓ PASSED

| | |
|---------------------------------------|----------|
| 50hz FFT | ✔ PASSED |
| DIM | ✔ PASSED |
| Crosstalk Sweep, One Channel Undriven | ✔ PASSED |
| THD+N vs Frequency | ✔ PASSED |
| DC Level (Active) | ✔ PASSED |
| DC Level (Idle) | ✔ PASSED |
| 32 Tone Test | ✔ PASSED |

SIG 6 - 50mV Performance Tests (IEM Level)

| | |
|---------------------------------------|----------|
| Level and Gain | ✔ PASSED |
| THD+N | ✔ PASSED |
| Signal to Noise Ratio | ✔ PASSED |
| SINAD | ✔ PASSED |
| IMD FFT | ✔ PASSED |
| 1khz FFT | ✔ PASSED |
| 50hz FFT | ✔ PASSED |
| DIM | ✔ PASSED |
| Crosstalk Sweep, One Channel Undriven | ✔ PASSED |
| THD+N vs Frequency | ✔ PASSED |
| DC Level (Active) | ✔ PASSED |
| DC Level (Idle) | ✔ PASSED |
| 32 Tone Test | ✔ PASSED |

Sequence Result:

Sequence Result: ✔ PASSED



Sequence Report



SIG 0 - Gain : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 500.0 mVrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 1.001 Vrms |
| dBrB: | 1.001 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |



Sequence Report



| | |
|--------------------------|-----------------|
| dBSPL1: | 1.001 Vrms |
| dBSPL2: | 10.00 mVrms |
| dBSPL1 Calibrator Level: | 22.500 dB SPL |
| dBSPL2 Calibrator Level: | 94.000 dB SPL |
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 32.00 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 0 - Gain : Level and Gain

| | |
|------------------|---------------------------------|
| Waveform: | Sine |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Generator Level: | 0.000 dBrG (@500.0 mVrms) |
| Frequency: | 1.00000 kHz |
| Low-pass Filter: | Signal Path |

Gain (13/12/2022 18:48:11.177)

| | |
|-----|----------|
| Ch1 | 6.030 dB |
| Ch2 | 6.057 dB |



Sequence Report



SIG 1 - Bandwidth : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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) - 250k (624 kHz SR) |
| Input EQ: | None |
| Termination: | 200 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 500.0 mVrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 1.001 Vrms |
| dBrB: | 1.001 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 1.001 Vrms |



Sequence Report



| | |
|--------------------------|-----------------|
| dBSPL2: | 10.00 mVrms |
| dBSPL1 Calibrator Level: | 22.500 dB SPL |
| dBSPL2 Calibrator Level: | 94.000 dB SPL |
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 32.00 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



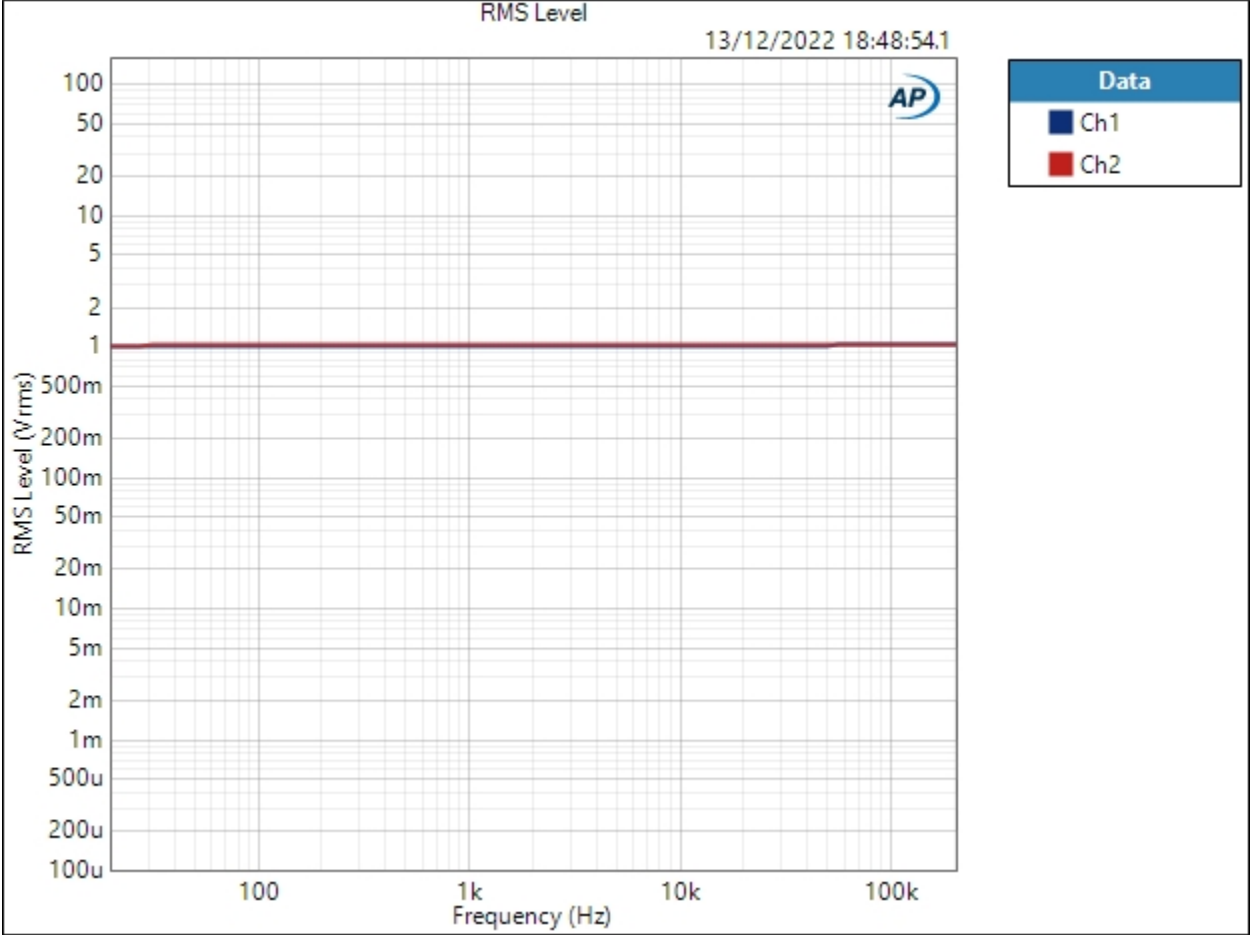
SIG 1 - Bandwidth : 200khz Bandwidth/Frequency Response

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@500.0 mVrms)
EQ: None
Start Frequency: 204.750 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 13/12/2022 18:48:54

RMS Level (13/12/2022 18:48:54.155)



Sequence Report AP



Result: ✔ PASSED



Sequence Report



ALERT USER - Reduce Pot : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 500.0 mVrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 1.001 Vrms |
| dBrB: | 1.001 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 1.001 Vrms |



Sequence Report



| | |
|--------------------------|-----------------|
| dBSPL2: | 10.00 mVrms |
| dBSPL1 Calibrator Level: | 22.500 dB SPL |
| dBSPL2 Calibrator Level: | 94.000 dB SPL |
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 32.00 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



SIG 2 - 4Vrms 20hz-20khz Tests : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 4.000 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.000 Vrms |
| dBrB: | 4.000 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 4.000 Vrms |



Sequence Report



dBSPL2: 10.00 mVrms
dBSPL1 Calibrator Level: 21.500 dB SPL
dBSPL2 Calibrator Level: 94.000 dB SPL
dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 32.00 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 - 4Vrms 20hz-20khz Tests : Level and Gain

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (13/12/2022 18:49:32.345)

Ch1 4.000 Vrms
Ch2 3.975 Vrms

Gain (13/12/2022 18:49:32.345)

Ch1 0.000 dB
Ch2 -0.055 dB



Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : THD+N

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 18:54:49.282)

Ch1 0.000267 %

Ch2 0.000257 %

THD+N Level (13/12/2022 18:54:49.282)

Ch1 10.70 uVrms

Ch2 10.22 uVrms

THD Ratio (13/12/2022 18:54:49.282)

Ch1 0.000140 %

Ch2 0.000119 %

THD Level (13/12/2022 18:54:49.282)

Ch1 5.585 uVrms

Ch2 4.723 uVrms

Noise Ratio (13/12/2022 18:54:49.282)

Ch1 0.000229 %

Ch2 0.000224 %

Noise Level (13/12/2022 18:54:49.282)

Ch1 9.155 uVrms

Ch2 8.920 uVrms

Distortion Product Ratio (13/12/2022 18:54:49.282)



Sequence Report



| 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 | -131.26 | -118.08 | -134.77 | -128.52 | -138.26 | -134.36 | -139.07 | -141.50 | -144.39 |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | -0.00 | -130.16 | -119.96 | -135.38 | -128.49 | -140.17 | -134.68 | -143.52 | -139.22 | -139.41 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Distortion Product Level (13/12/2022 18:54:49.282)

| 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 | 4.003 | 1.095 u | 4.990 u | 730.9 n | 1.502 u | 489.3 n | 766.1 n | 445.6 n | 336.6 n | 241.4 n |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | 3.977 | 1.235 u | 3.997 u | 677.4 n | 1.496 u | 390.2 n | 734.0 n | 265.2 n | 435.2 n | 425.9 n |

Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: Vrms

Channel: Ch1



Sequence Report



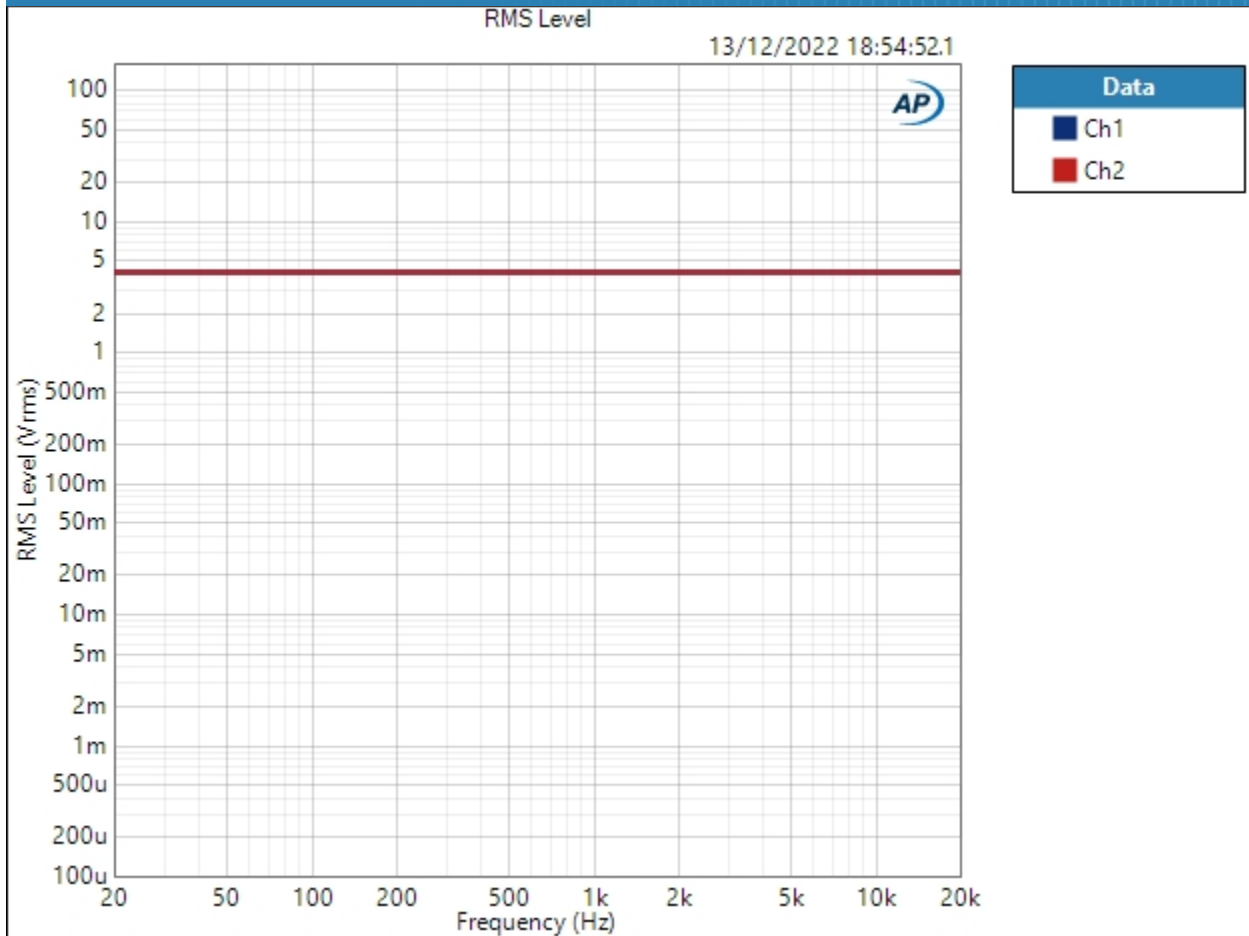
SIG 2 - 4Vrms 20hz-20khz Tests : Frequency Response

| | |
|------------------------|--------------------------|
| Start Frequency: | 20.0000 Hz |
| Stop Frequency: | 20.0000 kHz |
| Generator Level: | 0.000 dBrG (@4.000 Vrms) |
| DC Offset: | 0.000 V |
| EQ: | None |
| Pre-Sweep: | 0.000 s |
| Sweep: | 350.0 ms |
| Extend Acquisition By: | 50.00 ms |
| Secondary Source: | None |
| Measured 1 | 13/12/2022 18:54:52 |

RMS Level (13/12/2022 18:54:52.117)



Sequence Report



Result: ✔ PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (13/12/2022 18:54:52.117)

Ch1 ± 0.051 dB

Ch2 ± 0.050 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz



Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : Signal to Noise Ratio

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 18:54:55.419)

Ch1 113.586 dB
Ch2 113.400 dB

SIG 2 - 4Vrms 20hz-20khz Tests : SINAD

Waveform: Sine (1 kHz)
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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

SINAD (13/12/2022 18:54:58.175)

Ch1 111.682 dB
Ch2 111.660 dB



Sequence Report



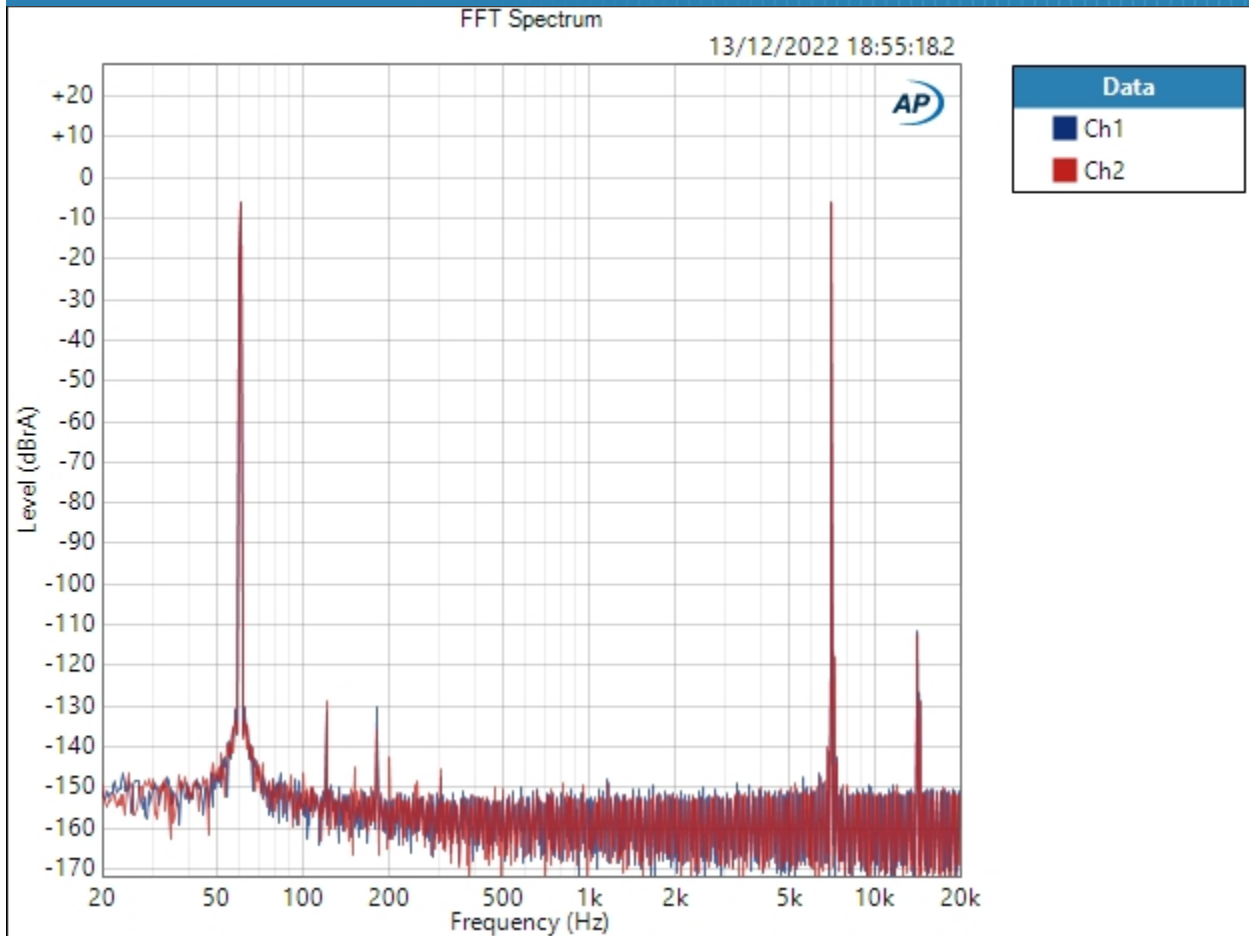
SIG 2 - 4Vrms 20hz-20khz Tests : IMD FFT

Waveform: Sine, Dual
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 60.0000 Hz
Frequency B: 7.00000 kHz
IMD Split: No
FB:FA Ratio: 1.000 x/y
Secondary Source: None
Measured 1 13/12/2022 18:55:18
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 18:55:18.211)



Sequence Report



Result: PASSED



Sequence Report



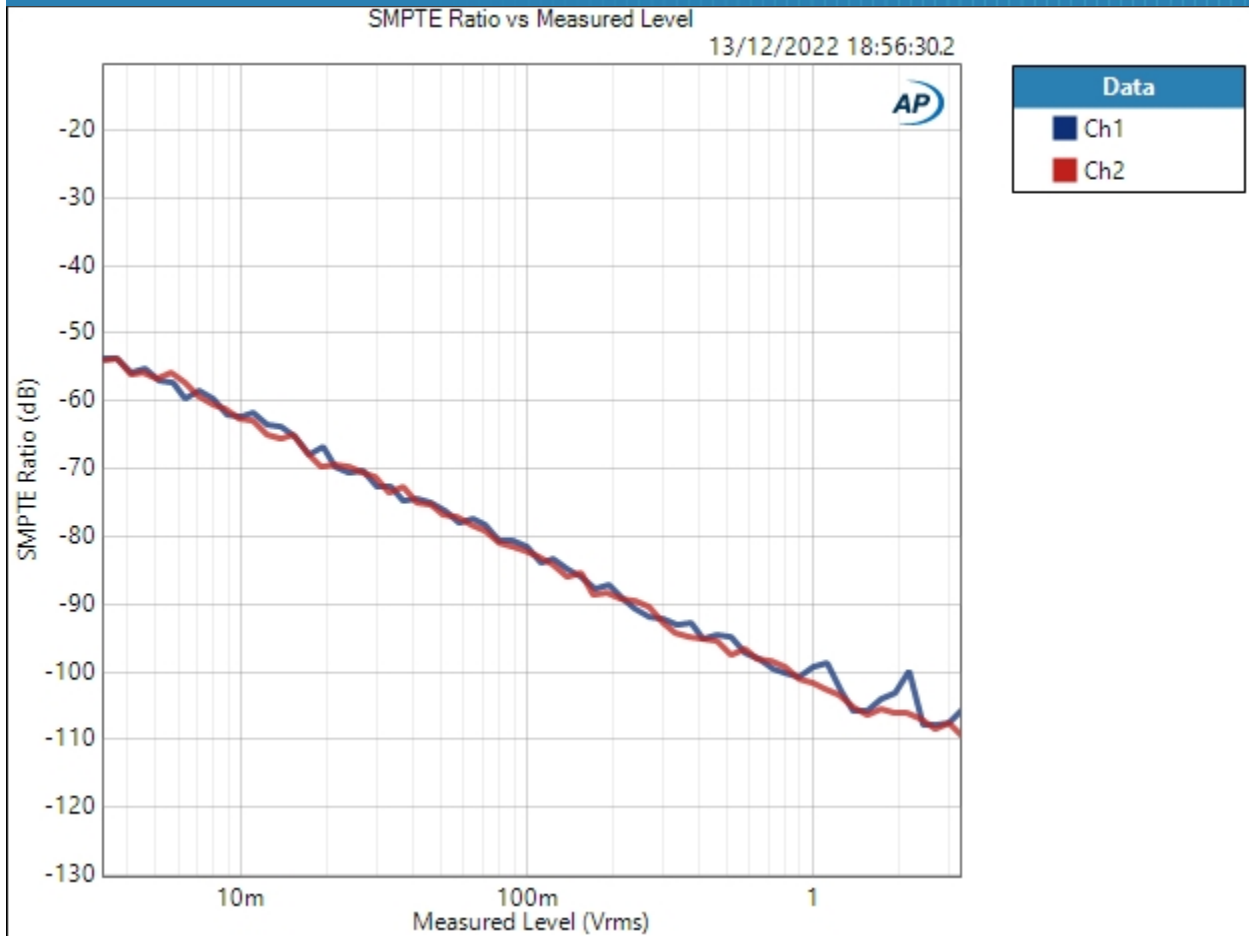
SIG 2 - 4Vrms 20hz-20khz Tests : IMD Level Sweep (SMPTE)

IMD Type: SMPTE
Frequency 1: 60.0000 Hz
Frequency 2: 7.00000 kHz
Frequency Ratio: 4:1
IMD Split: False
Start Level: -60.000 dBrG
Stop Level: 0.000 dBrG
Step Type: Linear
Number of Points: 64
Step Size: +0.952 dBrG
Measured 1 13/12/2022 18:56:30

SMPTE Ratio vs Measured Level (13/12/2022 18:56:30.288)



Sequence Report



Result: PASSED



Sequence Report



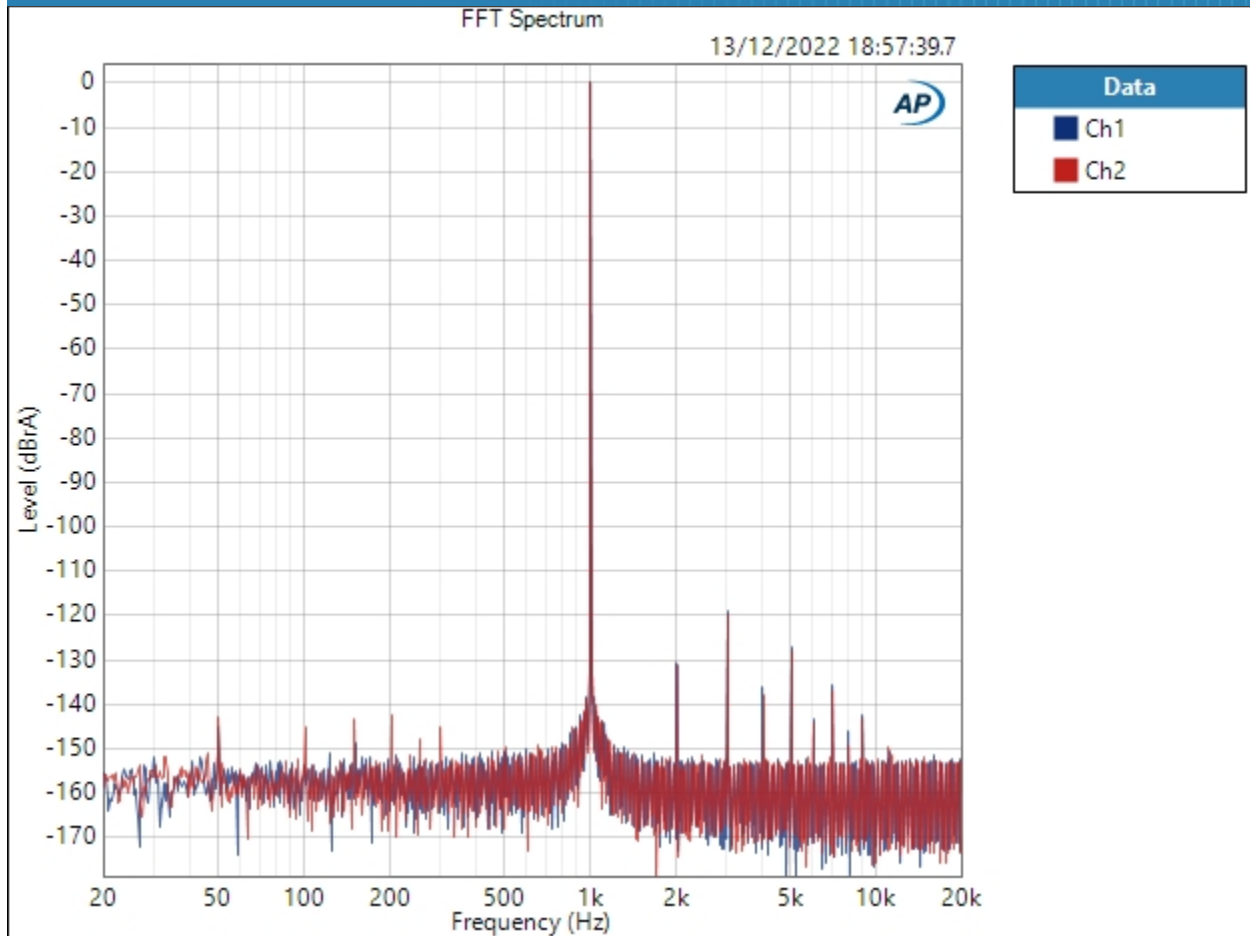
SIG 2 - 4Vrms 20hz-20khz Tests : 1khz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 13/12/2022 18:57:39
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 18:57:39.721)



Sequence Report



Result:  PASSED



Sequence Report



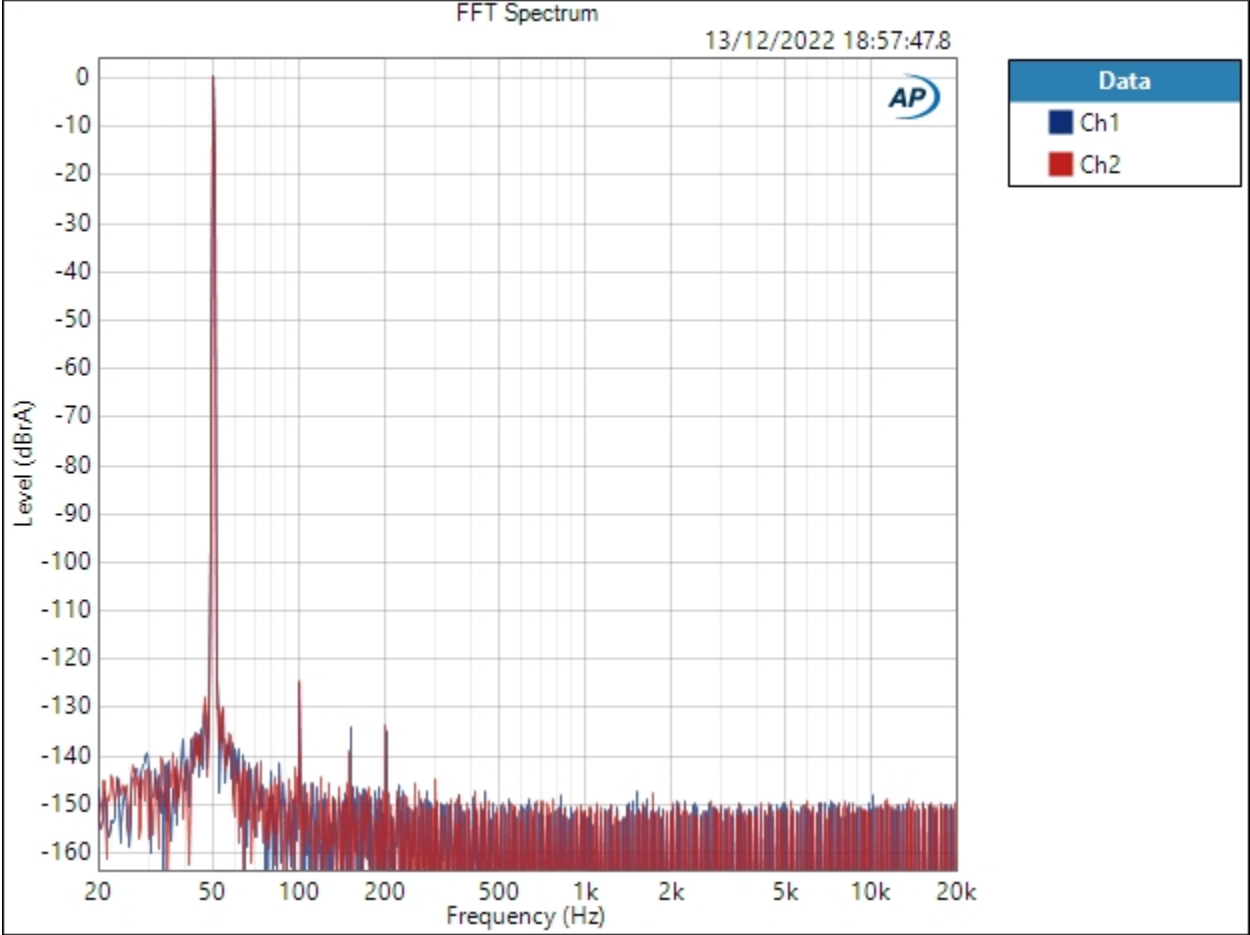
SIG 2 - 4Vrms 20hz-20khz Tests : 50hz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 50.0000 Hz
Secondary Source: None
Measured 1 13/12/2022 18:57:47
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)

FFT Spectrum (13/12/2022 18:57:47.817)



Sequence Report AP



Result: ✔ PASSED



Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

DIM Ratio (13/12/2022 18:57:50.011)

Ch1 -84.952 dB

Ch2 -84.928 dB

Distortion Product Ratio (13/12/2022 18:57:50.011)

| Channel | U5 | U4 | fq | U6 | U3 | U7 | U2 | U8 | U1 | U9 | |
|---------|---------|--------|--------|--------|---------|---------|--------|--------|---------|---------|--------|
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch1 | -110.56 | -91.08 | 14.10 | -91.31 | -111.86 | -109.91 | -90.51 | -91.56 | -102.46 | -110.97 | 0.00 |
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch2 | -111.67 | -90.87 | 14.10 | -91.25 | -113.51 | -112.25 | -90.47 | -91.50 | -107.14 | -112.71 | 0.00 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1



Sequence Report



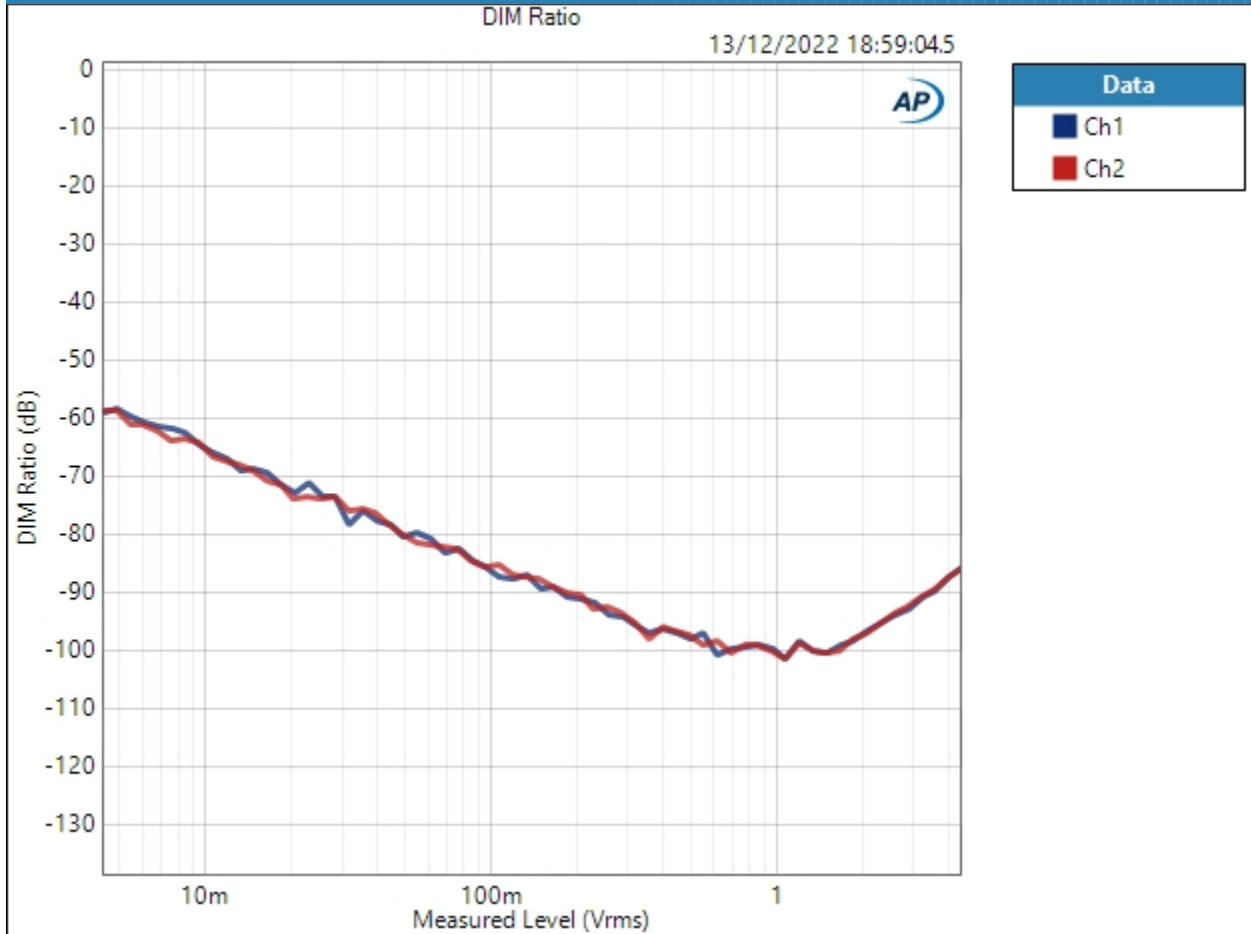
SIG 2 - 4Vrms 20hz-20khz Tests : DIM Level Sweep

Waveform: DIM 30
Square Freq: 3.15000 kHz
Sine Freq: 15.0000 kHz
Start Level: -60.000 dBrG
Stop Level: 0.000 dBrG
Step Type: Linear
Number of Points: 64
Step Size: +0.952 dBrG
Mode: U1...U9
Measured 1 13/12/2022 18:59:04
Low-pass Filter: 30 kHz

DIM Ratio (13/12/2022 18:59:04.530)



Sequence Report



Result:  PASSED



Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

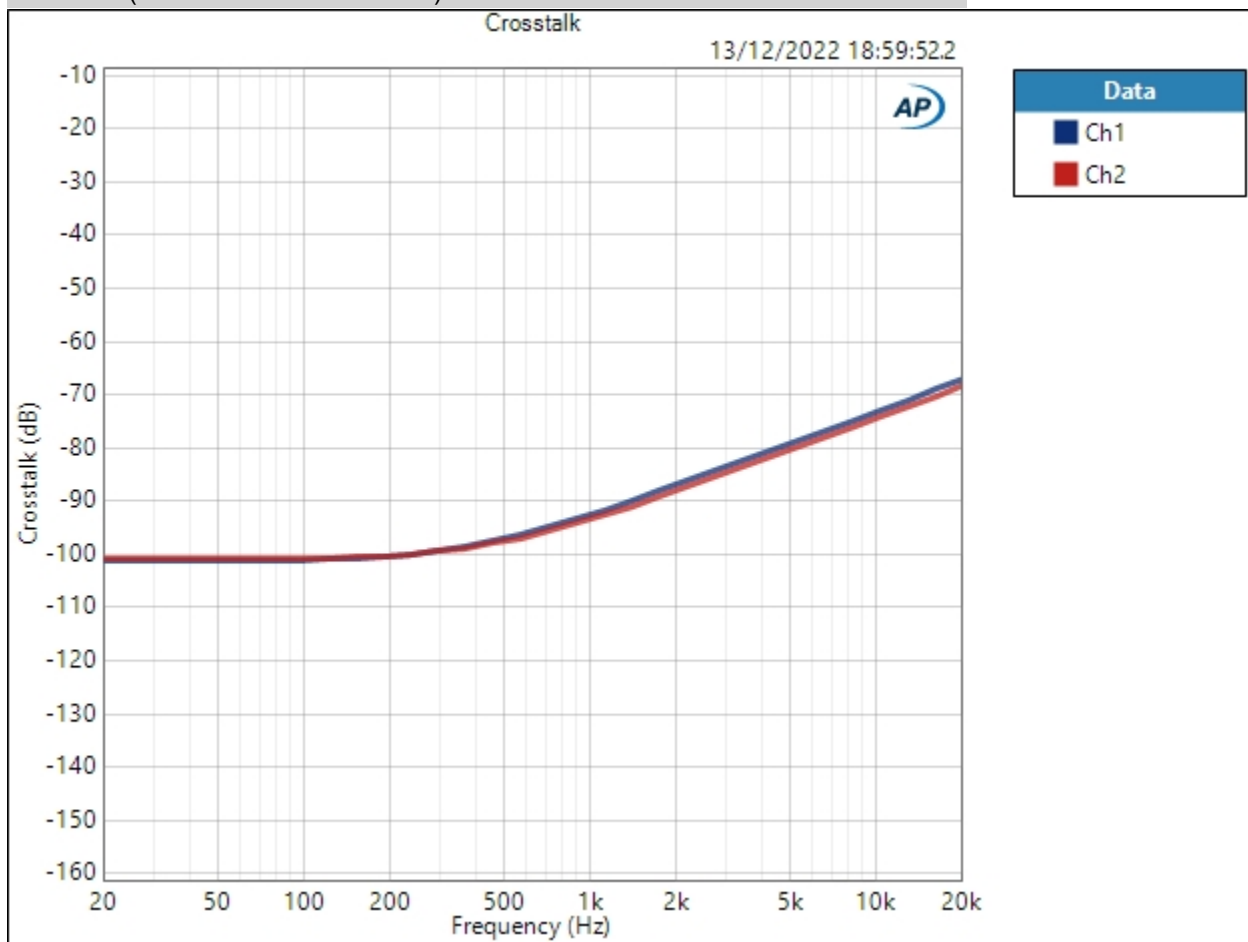
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 13/12/2022 18:59:52

Crosstalk (13/12/2022 18:59:52.251)





Sequence Report



Result:  PASSED



Sequence Report



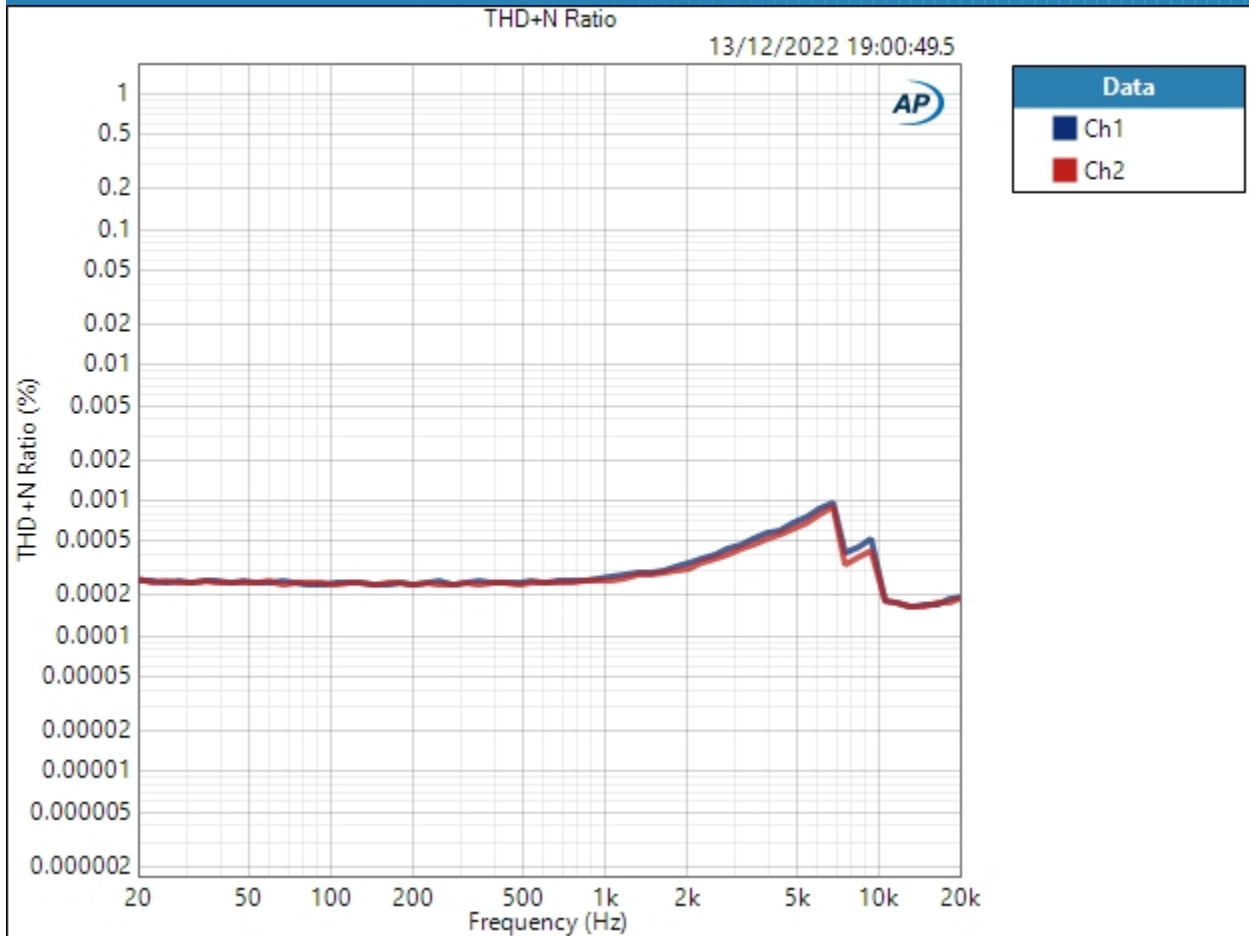
SIG 2 - 4Vrms 20hz-20khz Tests : THD+N vs Frequency

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 13/12/2022 19:00:49

THD+N Ratio (13/12/2022 19:00:49.591)



Sequence Report

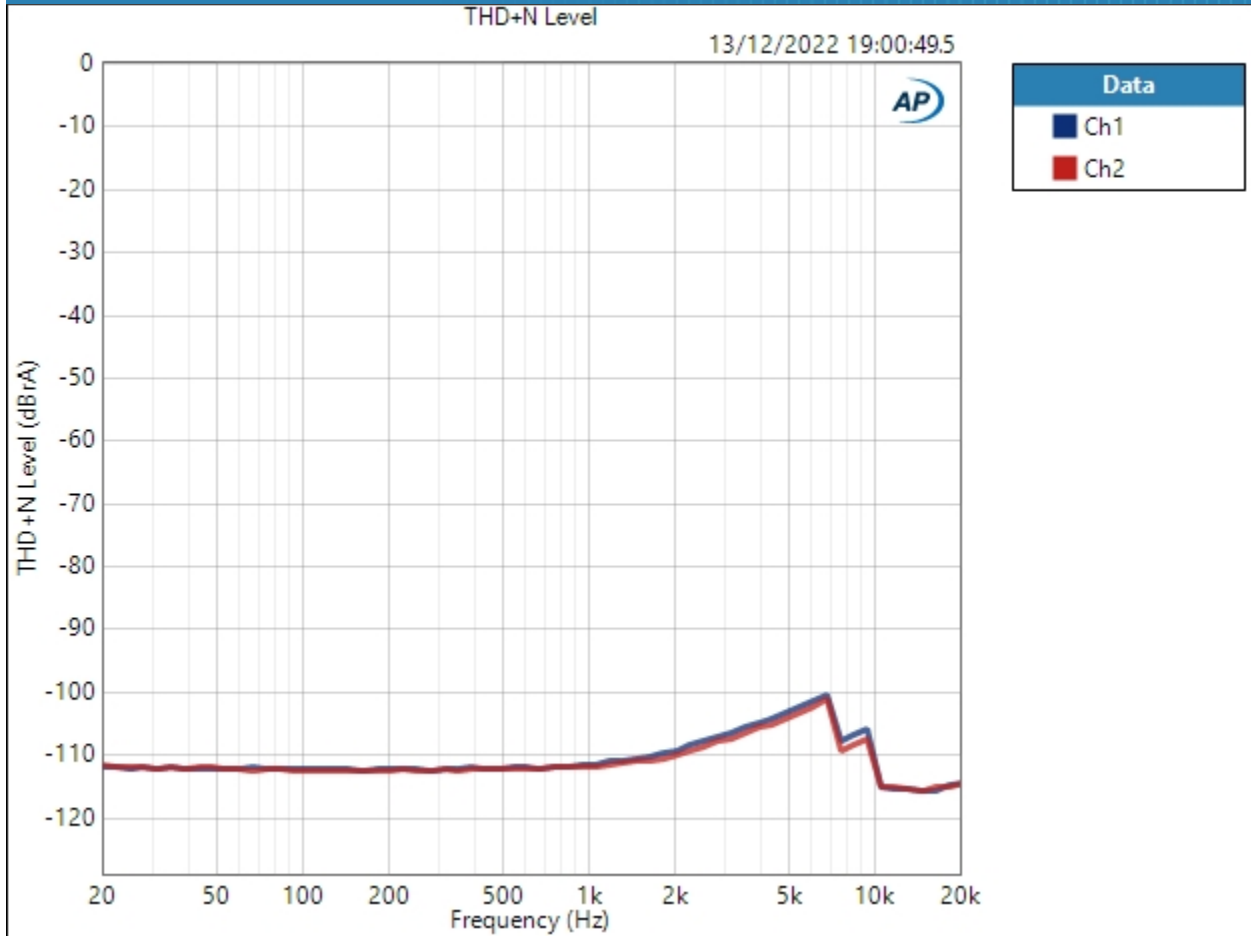


Result: ✔ PASSED

THD+N Level (13/12/2022 19:00:49.591)



Sequence Report



Result: PASSED



Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : DC Level (Active)

Waveform: Sine
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:02:52.908)

Ch1 -2.764 mV
Ch2 -2.552 mV

SIG 2 - 4Vrms 20hz-20khz Tests : DC Level (Idle)

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:02:59.765)

Ch1 -2.817 mV
Ch2 -2.384 mV



Sequence Report



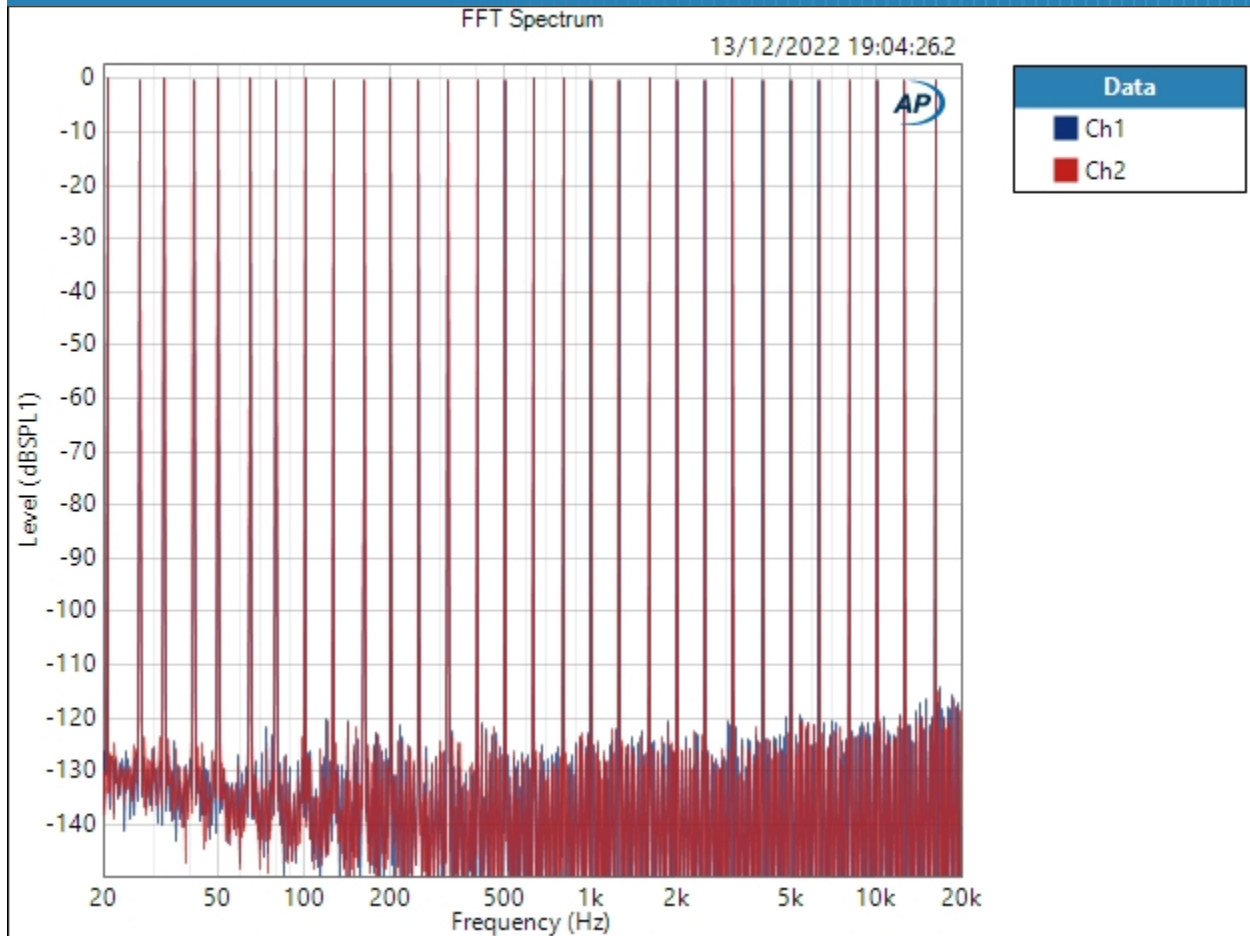
SIG 2 - 4Vrms 20hz-20khz Tests : 32 Tone Test

Waveform: 32 Tone Test.wav
Start Offset (sec): 0.000 s
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Secondary Source: None
Measured 1 13/12/2022 19:04:26
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:04:26.214)



Sequence Report



Result:  PASSED



Sequence Report



SIG 3 - Square Wave : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | DC - 1M (2.496 MHz SR) |
| Input EQ: | None |
| Termination: | 200 kohm |
| High Performance Sine Analyzer: | Disabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 4.000 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.001 Vrms |
| dBrB: | 4.001 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 4.001 Vrms |



Sequence Report



| | |
|--------------------------|-----------------|
| dBSPL2: | 10.00 mVrms |
| dBSPL1 Calibrator Level: | 21.500 dB SPL |
| dBSPL2 Calibrator Level: | 94.000 dB SPL |
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 32.00 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



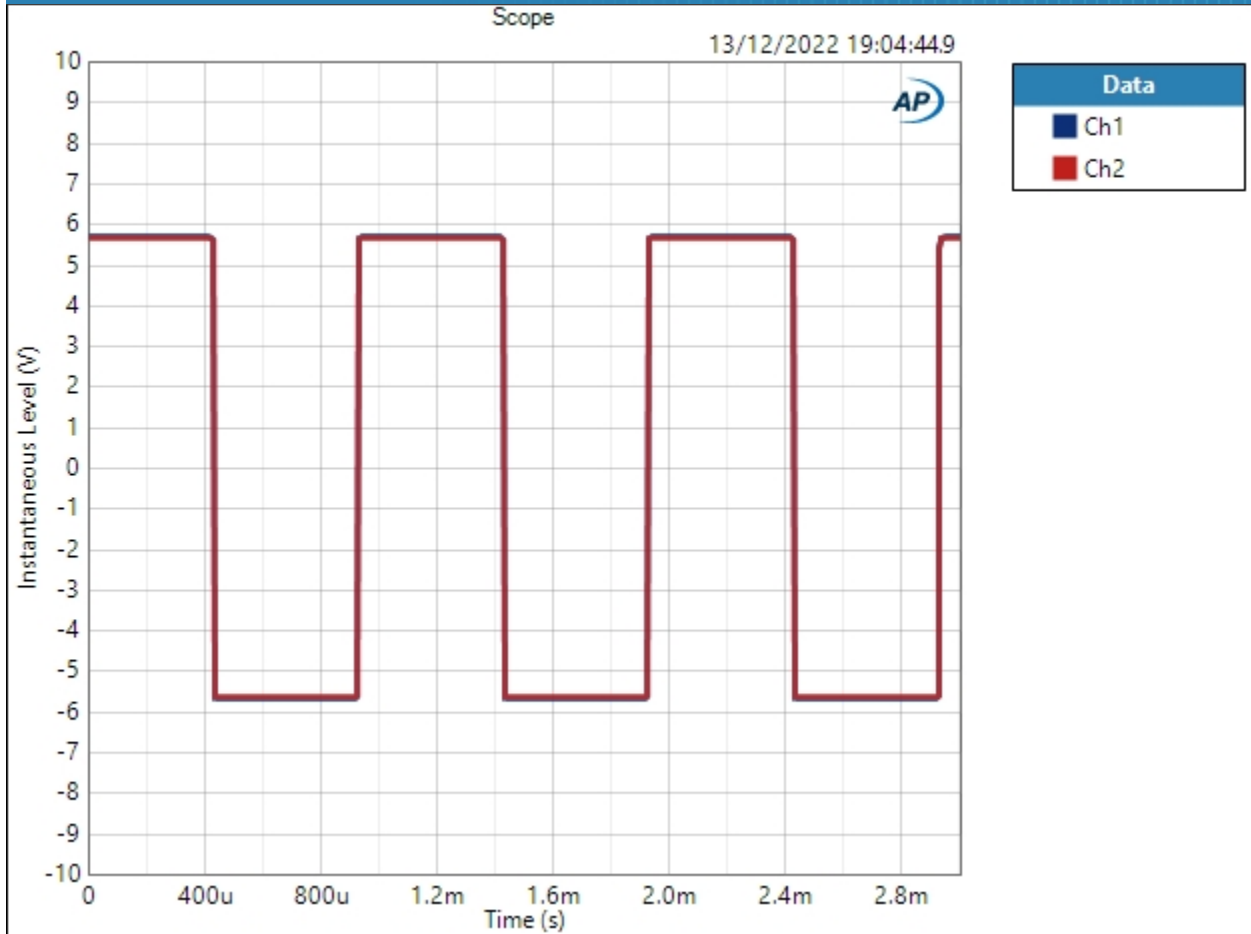
SIG 3 - Square Wave : Square Wave

Waveform: Square
Generator Level: 4.000 Vrms
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 13/12/2022 19:04:44
Acquisition Type: Auto
Trigger: Generator
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

Scope (13/12/2022 19:04:44.969)



Sequence Report



Scope Parameters

Interpolated: On

Result: PASSED



Sequence Report



SIG 4 - THD+N 90Khz : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | DC - 1M (2.496 MHz SR) |
| Input EQ: | None |
| Termination: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 4.000 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 4.002 Vrms |
| dBrB: | 4.002 Vrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 4.002 Vrms |



Sequence Report



| | |
|--------------------------|-----------------|
| dBSPL2: | 10.00 mVrms |
| dBSPL1 Calibrator Level: | 21.500 dB SPL |
| dBSPL2 Calibrator Level: | 94.000 dB SPL |
| dBm (Input Power): | 600.0 ohm |
| W(watts) (Input Power): | 32.00 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



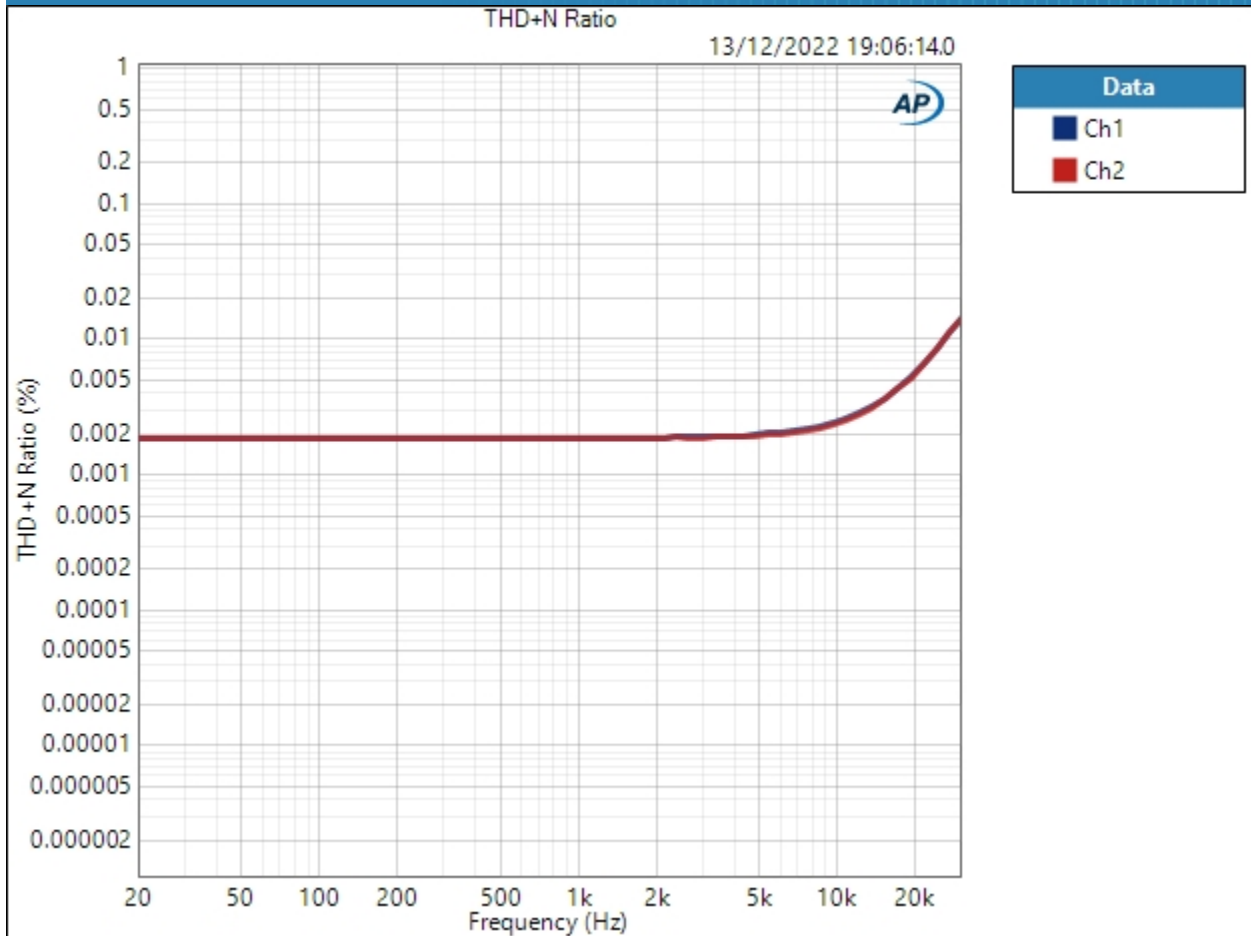
SIG 4 - THD+N 90Khz : Stepped Frequency Sweep

| | |
|----------------------|---------------------------------|
| Waveform: | Sine |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Generator Level: | 0.000 dBrG (@4.000 Vrms) |
| EQ: | None |
| Start Frequency: | 30.0000 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 | 13/12/2022 19:06:14 |

THD+N Ratio (13/12/2022 19:06:14.061)



Sequence Report

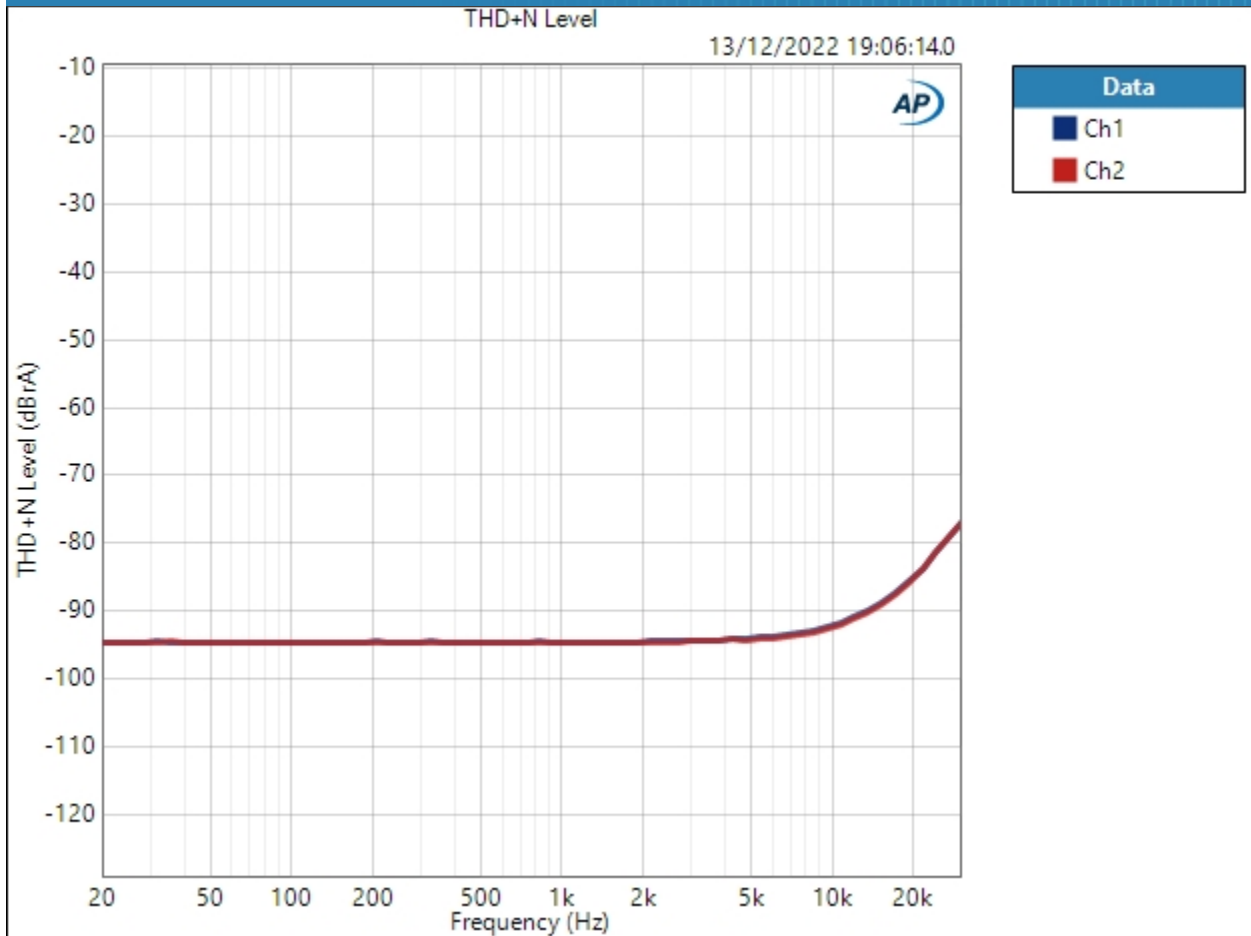


Result: ✔ PASSED

THD+N Level (13/12/2022 19:06:14.061)



Sequence Report



Result: PASSED



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 4.000 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 701.1 mVrms |
| dBrB: | 701.1 mVrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 701.1 mVrms |



Sequence Report



dBSPL2: 10.00 mVrms
dBSPL1 Calibrator Level: 21.500 dB SPL
dBSPL2 Calibrator Level: 94.000 dB SPL
dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 32.00 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 5 - 700mV Performance Tests (Headphone Level) : Level and Gain

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (13/12/2022 19:06:40.486)

Ch1 701.1 mVrms
Ch2 694.2 mVrms

Gain (13/12/2022 19:06:40.486)

Ch1 -15.126 dB
Ch2 -15.212 dB



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : THD+N

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 19:06:44.144)

Ch1 0.001184 %

Ch2 0.001189 %

THD+N Level (13/12/2022 19:06:44.144)

Ch1 8.303 uVrms

Ch2 8.257 uVrms

THD Ratio (13/12/2022 19:06:44.144)

Ch1 0.000251 %

Ch2 0.000284 %

THD Level (13/12/2022 19:06:44.144)

Ch1 1.763 uVrms

Ch2 1.974 uVrms

Noise Ratio (13/12/2022 19:06:44.144)

Ch1 0.001141 %

Ch2 0.001145 %

Noise Level (13/12/2022 19:06:44.144)

Ch1 8.004 uVrms

Ch2 7.954 uVrms

Distortion Product Ratio (13/12/2022 19:06:44.144)



Sequence Report



| 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 | -117.77 | -117.75 | -128.59 | -122.36 | -130.19 | -126.28 | -124.09 | -131.39 | -126.44 |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | -0.00 | -115.18 | -119.54 | -128.27 | -121.58 | -126.69 | -128.24 | -124.21 | -129.03 | -124.16 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Distortion Product Level (13/12/2022 19:06:44.144)

| 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 | 701.5 m | 0.907 u | 0.909 u | 260.9 n | 534.3 n | 217.0 n | 340.3 n | 438.2 n | 189.0 n | 334.1 n |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | 694.6 m | 1.210 u | 732.3 n | 268.0 n | 579.0 n | 321.6 n | 269.0 n | 427.8 n | 245.7 n | 430.2 n |

Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: Vrms

Channel: Ch1



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : Signal to Noise Ratio

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 19:06:47.224)

Ch1 98.732 dB

Ch2 98.542 dB



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : SINAD

Waveform: Sine (1 kHz)
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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

SINAD (13/12/2022 19:06:49.935)

Ch1 98.633 dB

Ch2 98.503 dB

ENOB (13/12/2022 19:06:49.935)

Ch1 16.1

Ch2 16.1



Sequence Report



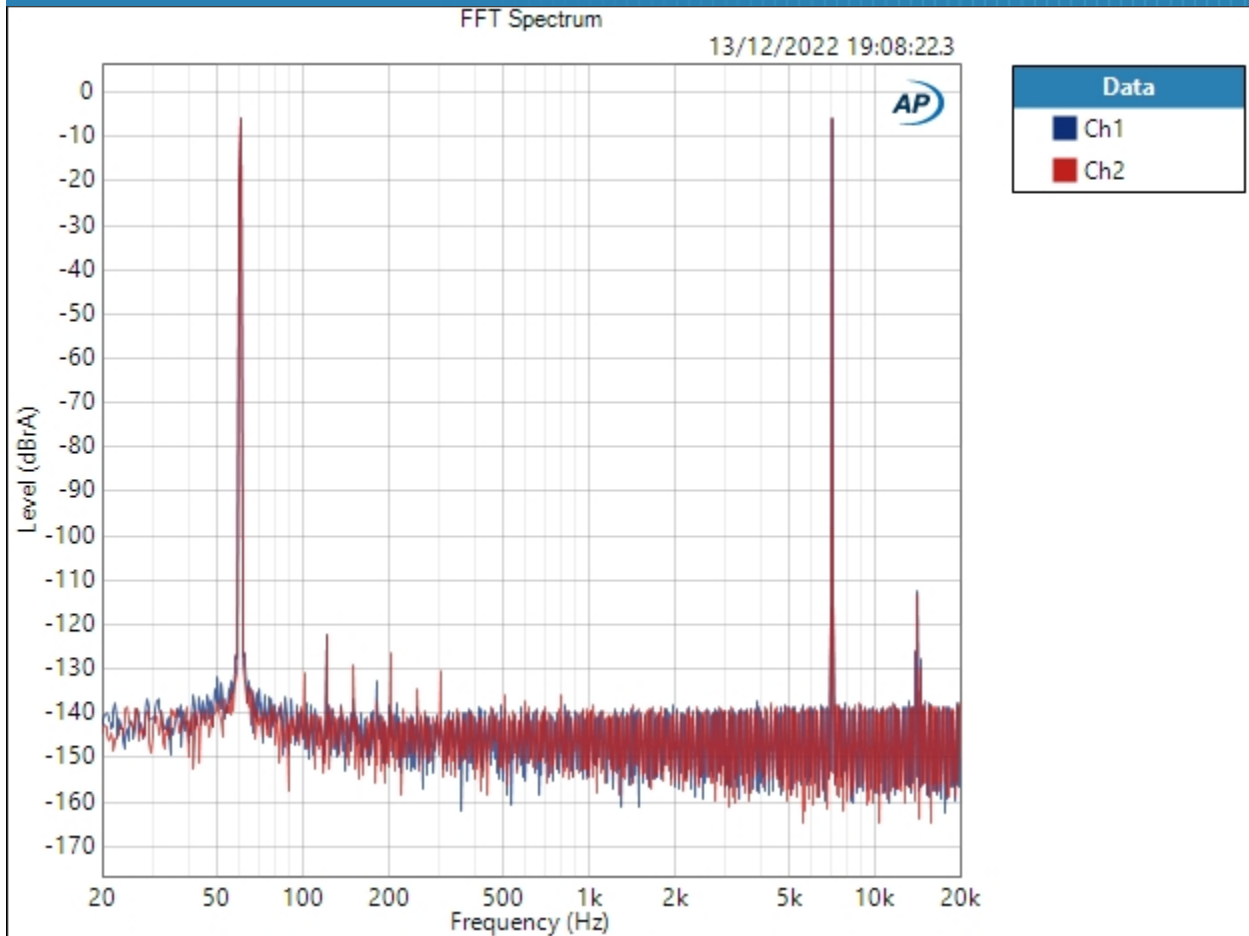
SIG 5 - 700mV Performance Tests (Headphone Level) : IMD FFT

Waveform: Sine, Dual
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 60.0000 Hz
Frequency B: 7.00000 kHz
IMD Split: No
FB:FA Ratio: 1.000 x/y
Secondary Source: None
Measured 1 13/12/2022 19:08:22
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:08:22.371)



Sequence Report



Result:  PASSED



Sequence Report



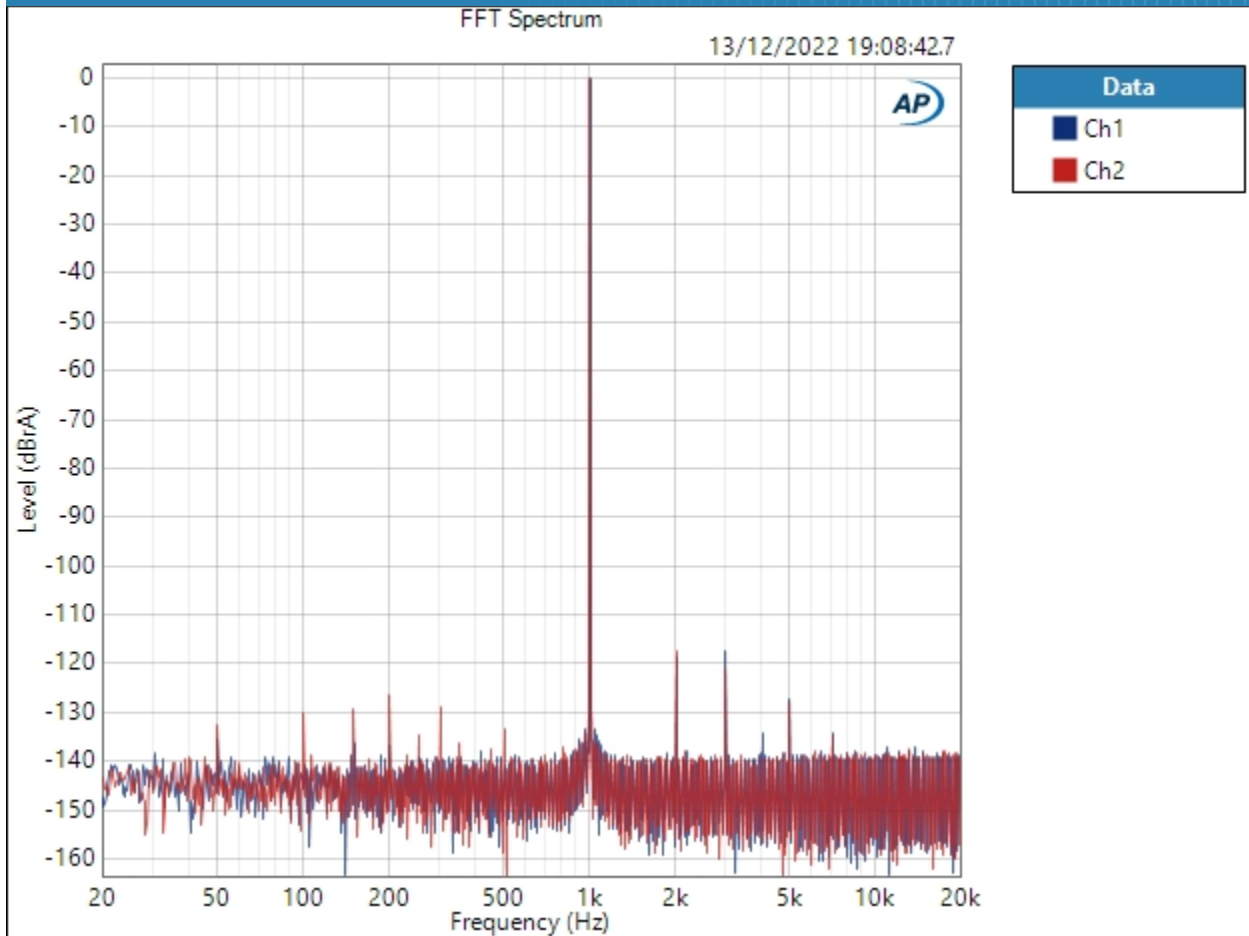
SIG 5 - 700mV Performance Tests (Headphone Level) : 1kHz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 13/12/2022 19:08:42
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:08:42.740)



Sequence Report



Result:  PASSED



Sequence Report



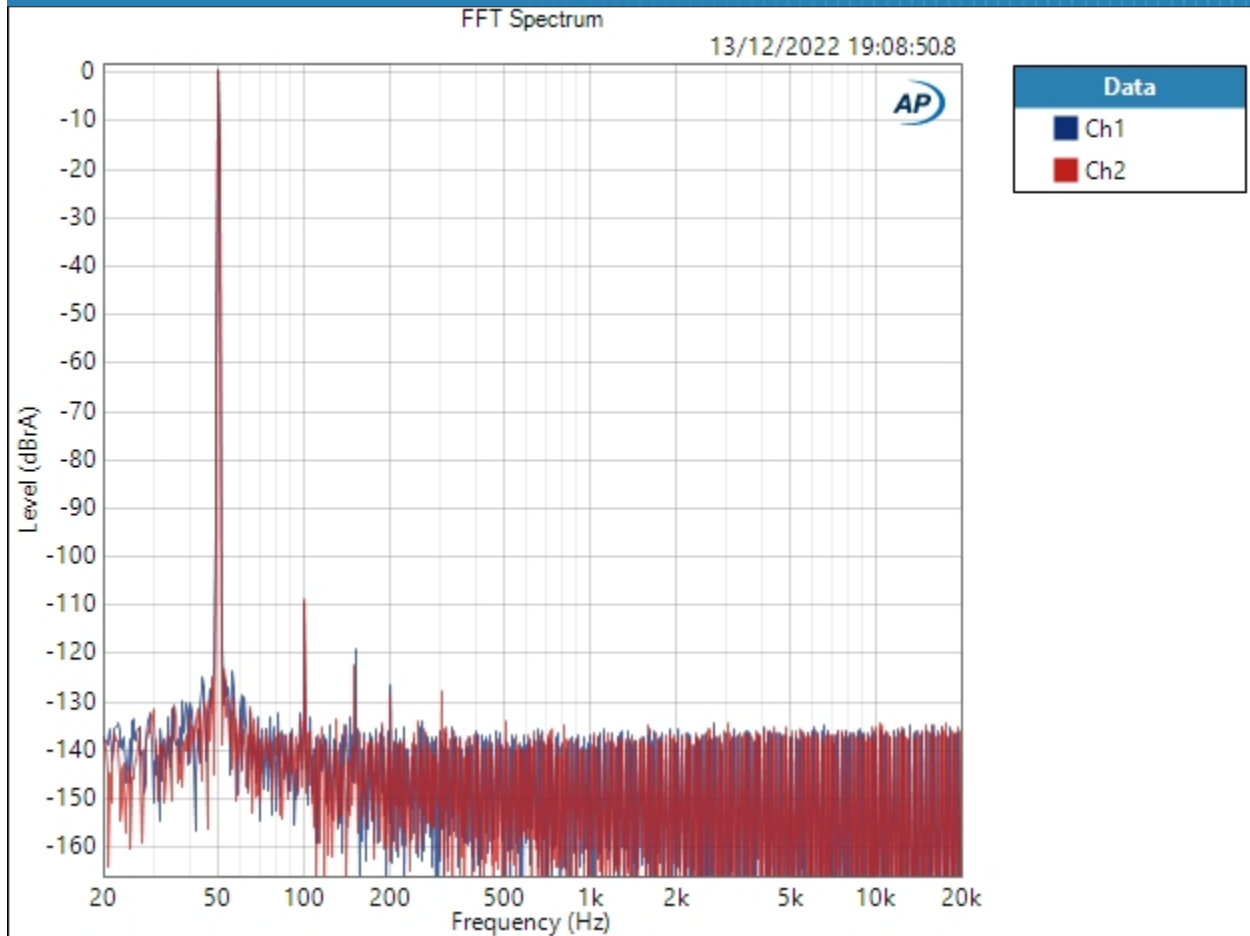
SIG 5 - 700mV Performance Tests (Headphone Level) : 50hz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 50.0000 Hz
Secondary Source: None
Measured 1 13/12/2022 19:08:50
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)

FFT Spectrum (13/12/2022 19:08:50.881)



Sequence Report



Result:  PASSED



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

DIM Ratio (13/12/2022 19:08:53.084)

Ch1 -93.857 dB

Ch2 -94.234 dB

Distortion Product Ratio (13/12/2022 19:08:53.084)

| Channel | U5 | U4 | fq | U6 | U3 | U7 | U2 | U8 | U1 | U9 | |
|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch1 | -106.04 | -101.11 | 14.10 | -100.24 | -109.13 | -106.69 | -101.57 | -106.43 | -103.08 | -104.06 | 0.00 |
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch2 | -106.82 | -100.50 | 14.10 | -101.38 | -107.26 | -109.47 | -101.95 | -101.47 | -107.44 | -109.44 | 0.00 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

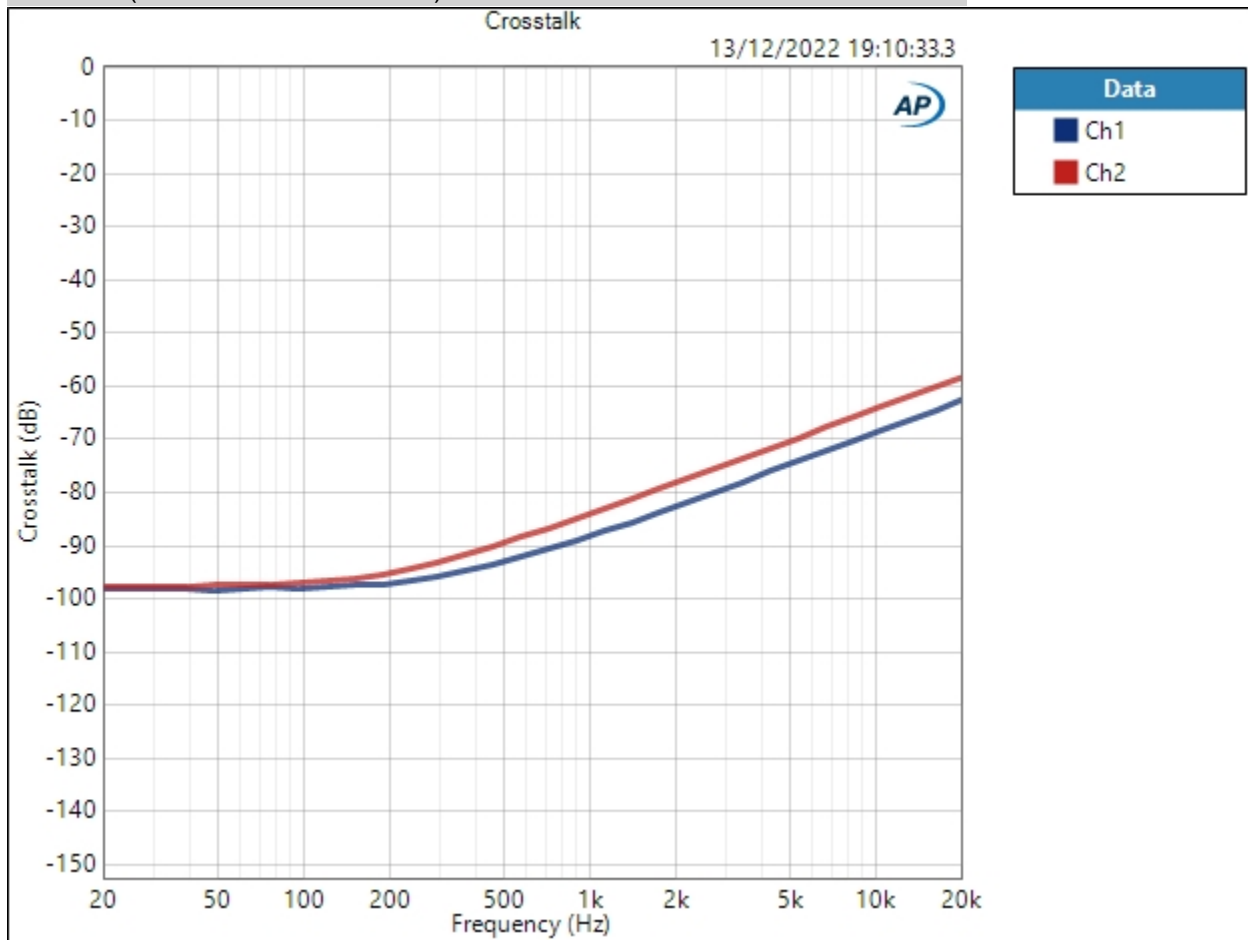
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 13/12/2022 19:10:33

Crosstalk (13/12/2022 19:10:33.331)





Sequence Report



Result:  PASSED



Sequence Report



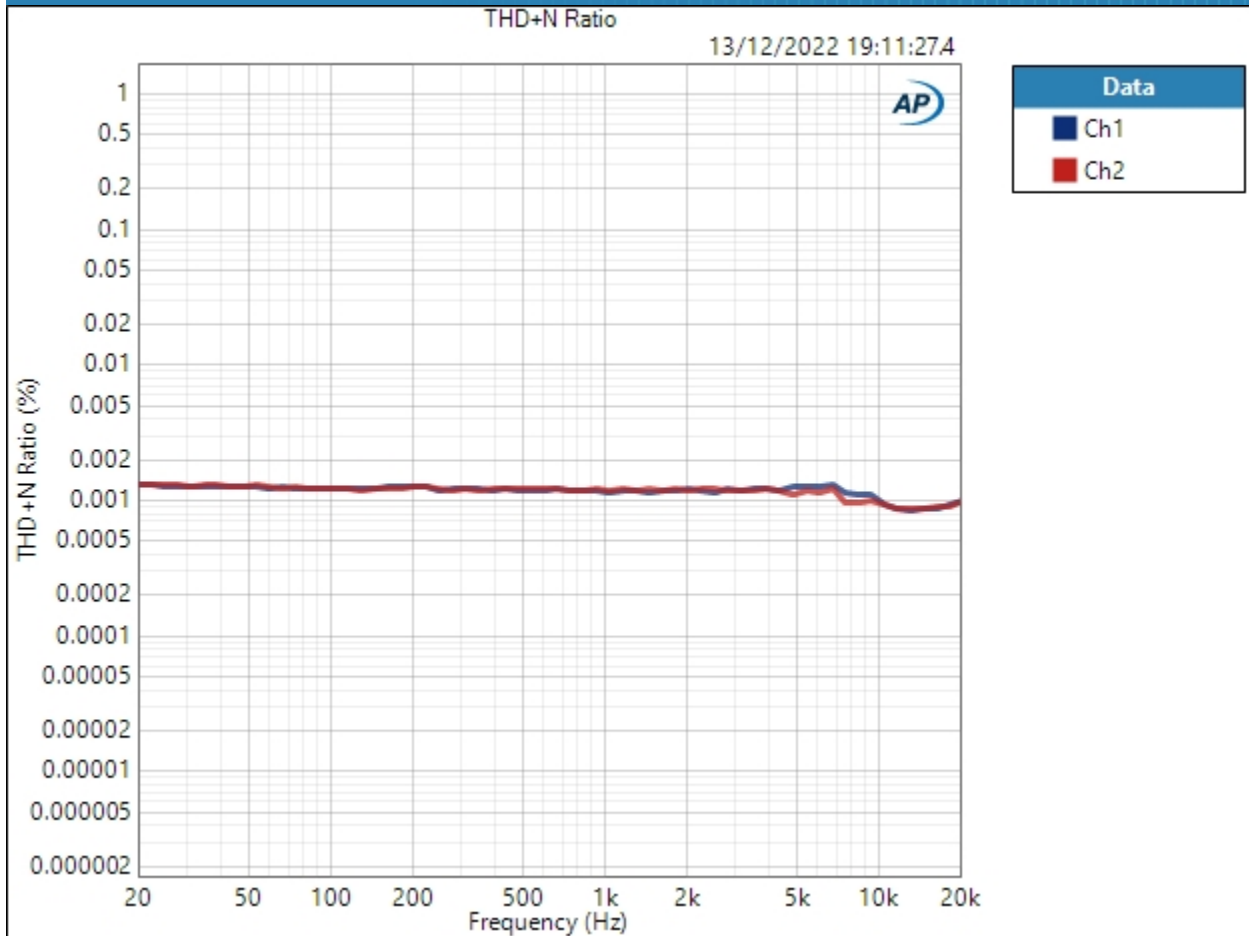
SIG 5 - 700mV Performance Tests (Headphone Level) : THD+N vs Frequency

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 13/12/2022 19:11:27

THD+N Ratio (13/12/2022 19:11:27.487)



Sequence Report

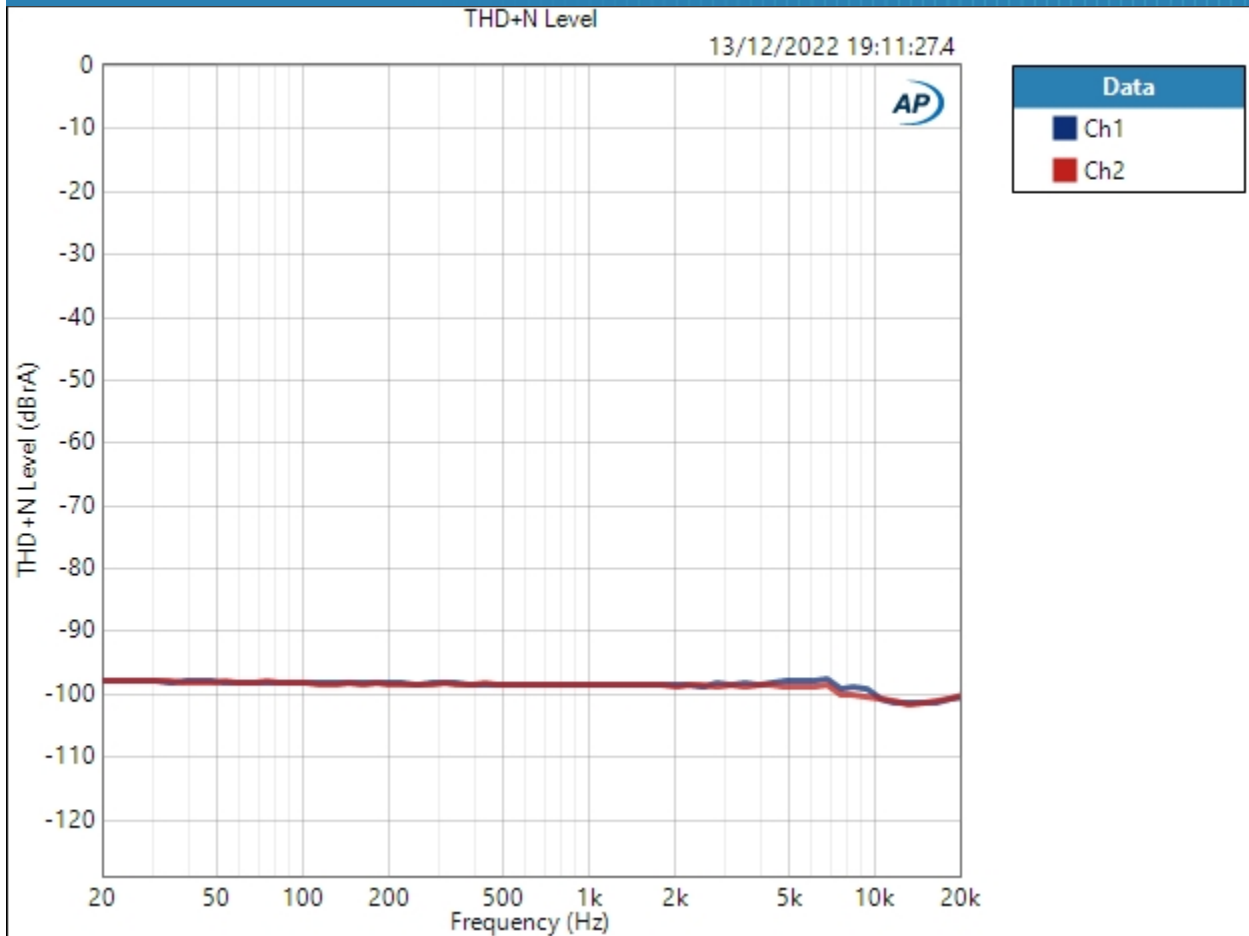


Result: ✔ PASSED

THD+N Level (13/12/2022 19:11:27.487)



Sequence Report



Result: PASSED



Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : DC Level (Active)

Waveform: Sine
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:11:34.511)

Ch1 -2.923 mV
Ch2 -2.600 mV

SIG 5 - 700mV Performance Tests (Headphone Level) : DC Level (Idle)

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:11:41.315)

Ch1 -2.874 mV
Ch2 -2.488 mV



Sequence Report



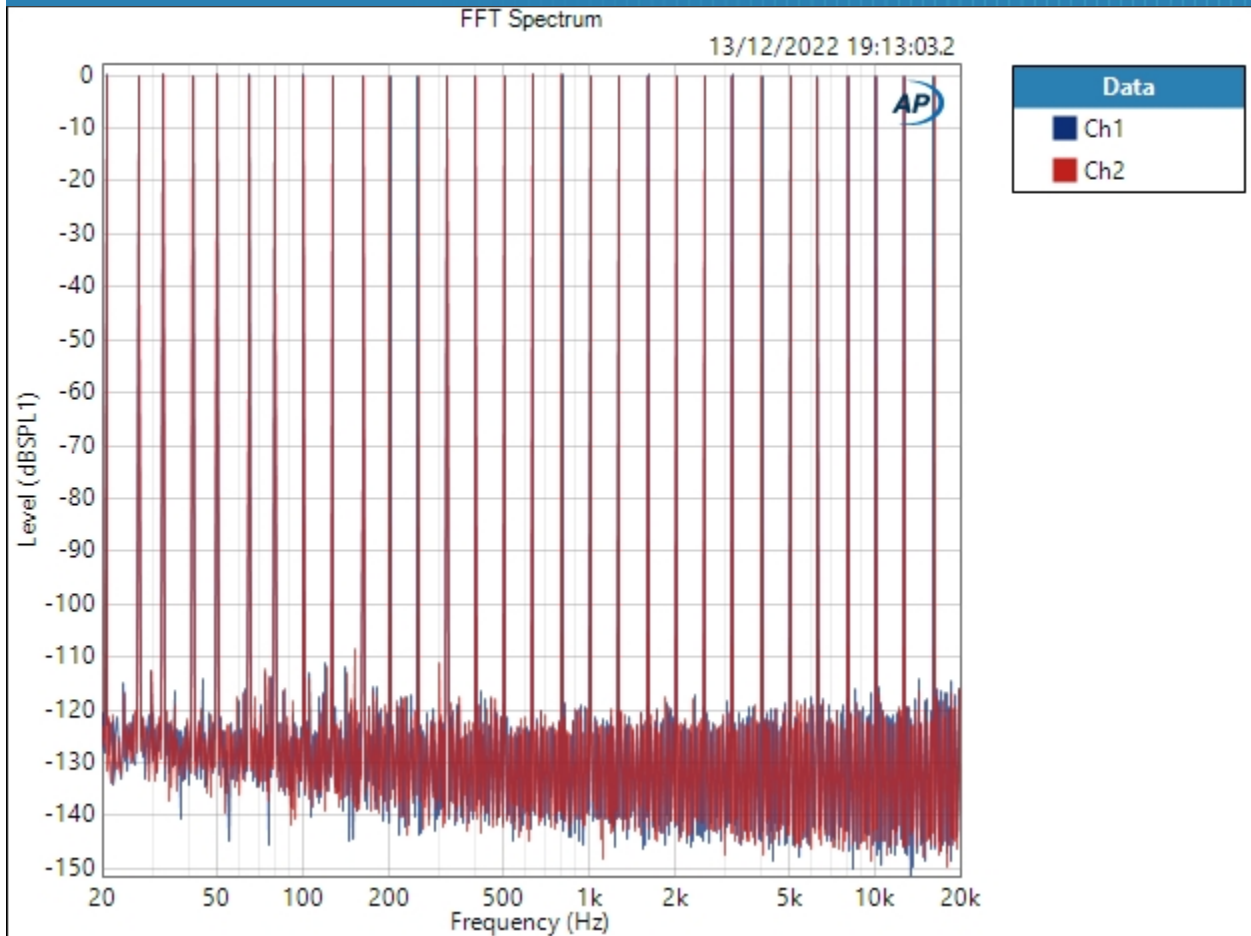
SIG 5 - 700mV Performance Tests (Headphone Level) : 32 Tone Test

Waveform: 32 Tone Test.wav
Start Offset (sec): 0.000 s
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Secondary Source: None
Measured 1 13/12/2022 19:13:03
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:13:03.252)



Sequence Report



Result:  PASSED



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : Signal Path Setup

| | |
|---------------------------------|--|
| Output Connector: | Analog Balanced |
| Channels: | 2 |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Configuration: | Normal (Differential), Normal (Differential) |
| Source Impedance: | 40 ohm, 40 ohm |
| Channels Inverted: | None |
| AG52 Generator Option: | Installed |
| Auto Range: | Enabled |
| Output EQ: | None |
| Input 1: | Analog Balanced |
| 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: | 200 kohm |
| High Performance Sine Analyzer: | Enabled |
| Input 2: | None |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 4.000 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 32.00 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| Analog Input | |
| dBrA: | 50.15 mVrms |
| dBrB: | 50.15 mVrms |
| dBrA Offset: | 0.000 dB |
| dBrB Offset: | 0.000 dB |
| dB SPL1: | 50.15 mVrms |



Sequence Report



dBSPL2: 10.00 mVrms
dBSPL1 Calibrator Level: 21.500 dB SPL
dBSPL2 Calibrator Level: 94.000 dB SPL
dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 32.00 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 6 - 50mV Performance Tests (IEM Level) : Level and Gain

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (13/12/2022 19:13:23.015)

Ch1 50.14 mVrms
Ch2 45.96 mVrms

Gain (13/12/2022 19:13:23.015)

Ch1 -38.037 dB
Ch2 -38.794 dB



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : THD+N

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 19:13:26.205)

Ch1 0.015776 %

Ch2 0.017200 %

THD+N Level (13/12/2022 19:13:26.205)

Ch1 7.915 uVrms

Ch2 7.909 uVrms

THD Ratio (13/12/2022 19:13:26.205)

Ch1 0.002612 %

Ch2 0.002995 %

THD Level (13/12/2022 19:13:26.205)

Ch1 1.310 uVrms

Ch2 1.377 uVrms

Noise Ratio (13/12/2022 19:13:26.205)

Ch1 0.015610 %

Ch2 0.016870 %

Noise Level (13/12/2022 19:13:26.205)

Ch1 7.832 uVrms

Ch2 7.757 uVrms

Distortion Product Ratio (13/12/2022 19:13:26.205)



Sequence Report



| 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 | -109.02 | -103.40 | -104.12 | -101.63 | -105.27 | -103.45 | -105.65 | -104.70 | -105.70 |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | -0.00 | -100.12 | -103.10 | -102.17 | -103.53 | -106.29 | -105.30 | -103.32 | -101.64 | -105.86 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Distortion Product Level (13/12/2022 19:13:26.205)

| 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 | 50.17 m | 177.6 n | 339.4 n | 312.1 n | 415.7 n | 273.4 n | 337.1 n | 261.8 n | 292.1 n | 260.4 n |
| | 1.000k | 2.000k | 3.000k | 4.000k | 5.000k | 6.000k | 7.000k | 8.000k | 9.000k | 10.00k |
| Ch2 | 45.98 m | 453.7 n | 321.7 n | 358.1 n | 306.2 n | 222.9 n | 249.8 n | 313.9 n | 380.9 n | 234.3 n |

Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: Vrms

Channel: Ch1



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : Signal to Noise Ratio

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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 (13/12/2022 19:13:29.337)

Ch1 75.848 dB

Ch2 75.009 dB



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : SINAD

Waveform: Sine (1 kHz)
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
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

SINAD (13/12/2022 19:13:31.873)

Ch1 76.089 dB

Ch2 75.417 dB

ENOB (13/12/2022 19:13:31.873)

Ch1 12.3

Ch2 12.2



Sequence Report



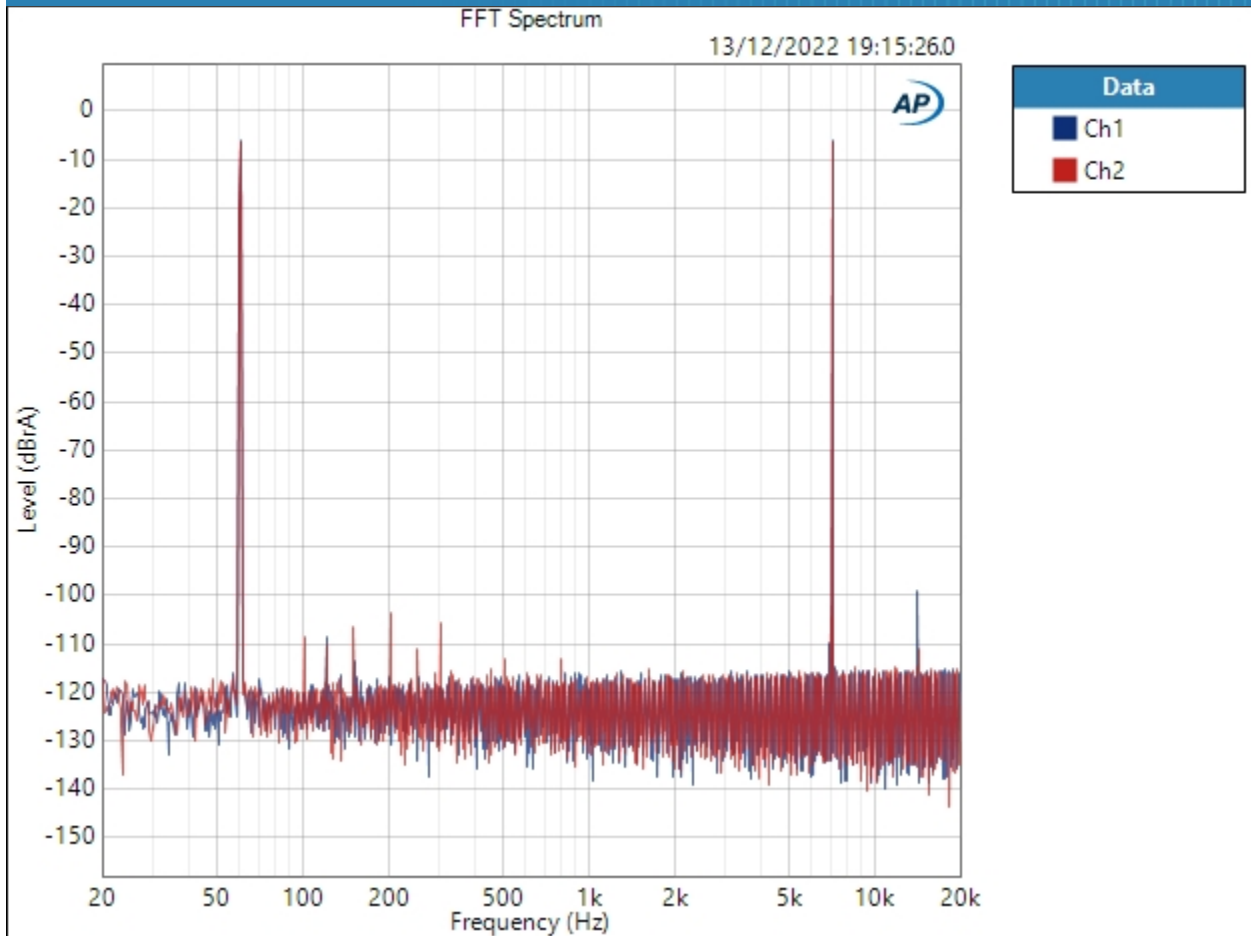
SIG 6 - 50mV Performance Tests (IEM Level) : IMD FFT

Waveform: Sine, Dual
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 60.0000 Hz
Frequency B: 7.00000 kHz
IMD Split: No
FB:FA Ratio: 1.000 x/y
Secondary Source: None
Measured 1 13/12/2022 19:15:26
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:15:26.011)



Sequence Report



Result:  PASSED



Sequence Report



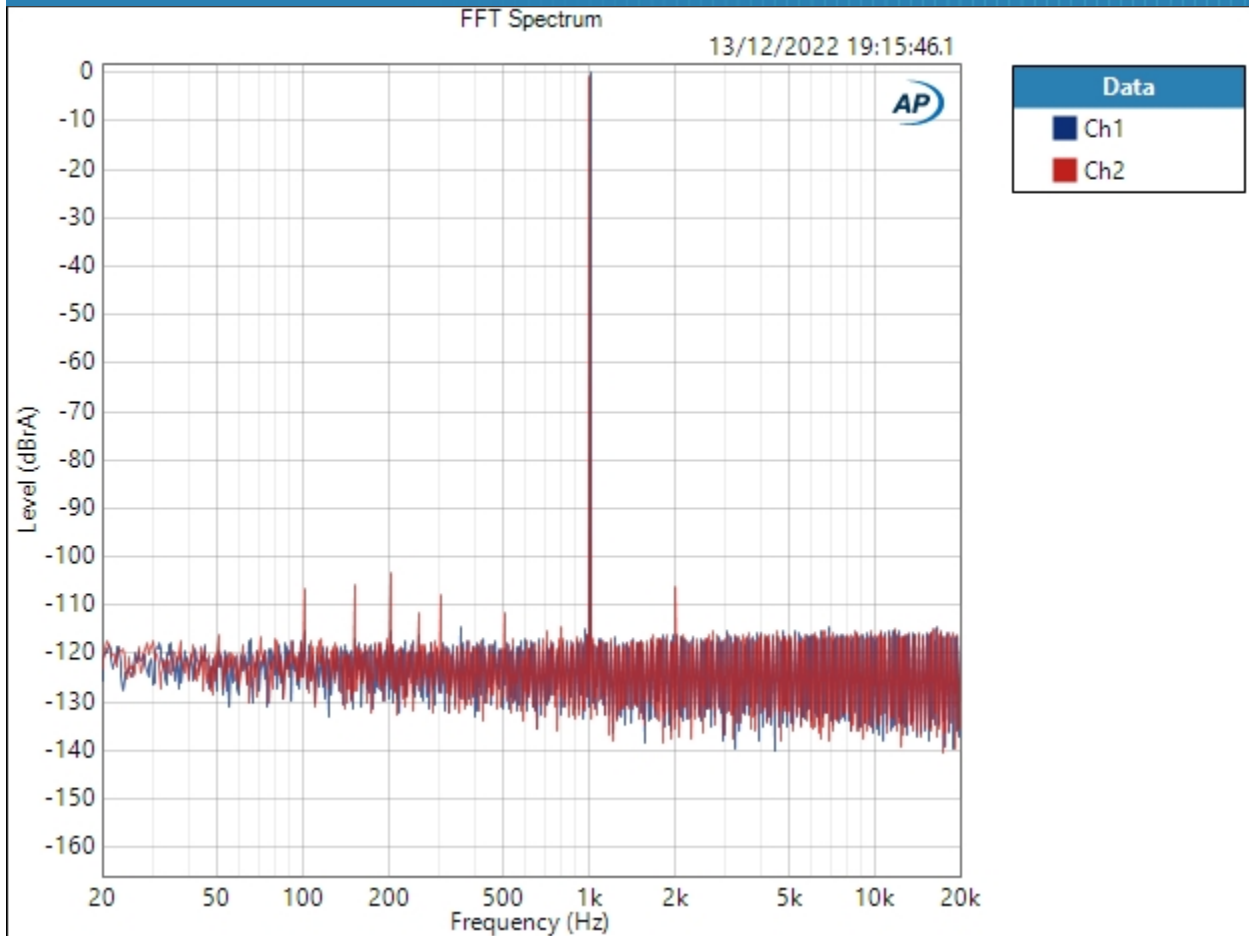
SIG 6 - 50mV Performance Tests (IEM Level) : 1khz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 13/12/2022 19:15:46
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 262144
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:15:46.184)



Sequence Report



Result:  PASSED



Sequence Report



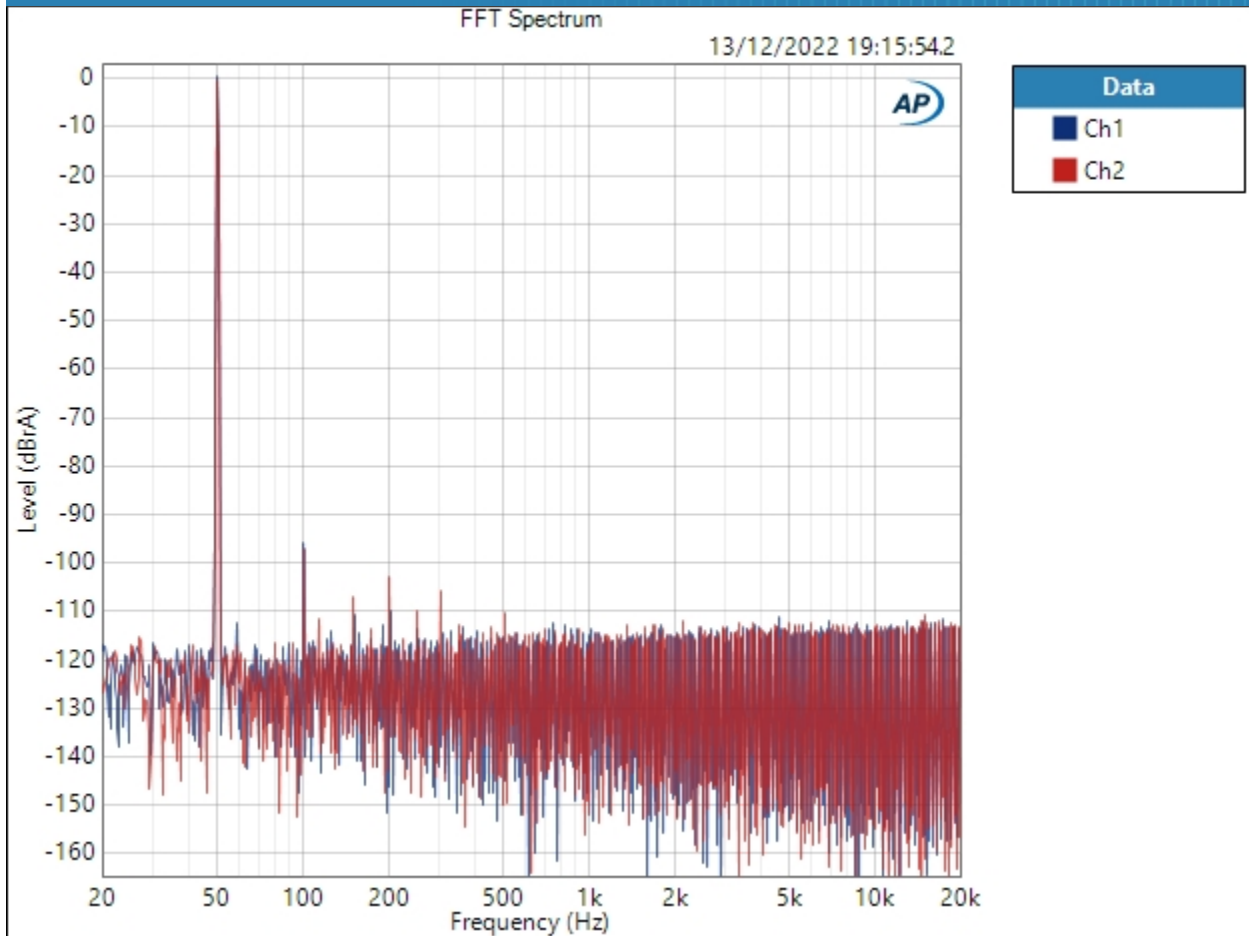
SIG 6 - 50mV Performance Tests (IEM Level) : 50hz FFT

Waveform: Sine
Generator Mode: High Performance Sine Generator
Precision Tune: Disabled
Generator Level: 0.000 dBrG (@4.000 Vrms)
Frequency: 50.0000 Hz
Secondary Source: None
Measured 1 13/12/2022 19:15:54
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)

FFT Spectrum (13/12/2022 19:15:54.299)



Sequence Report



Result:  PASSED



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

DIM Ratio (13/12/2022 19:15:56.532)

Ch1 -81.135 dB

Ch2 -78.026 dB

Distortion Product Ratio (13/12/2022 19:15:56.532)

| Channel | U5 | U4 | fq | U6 | U3 | U7 | U2 | U8 | U1 | U9 | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch1 | -88.61 | -93.39 | 14.00 | -90.82 | -91.23 | -91.49 | -88.70 | -90.80 | -90.34 | -93.26 | 0.00 |
| | 750.0 | 2.400k | 3.150k | 3.900k | 5.550k | 7.050k | 8.700k | 10.20k | 11.85k | 13.35k | 15.00k |
| Ch2 | -89.50 | -88.73 | 14.00 | -89.98 | -89.92 | -87.45 | -86.01 | -85.05 | -86.30 | -88.25 | 0.00 |

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

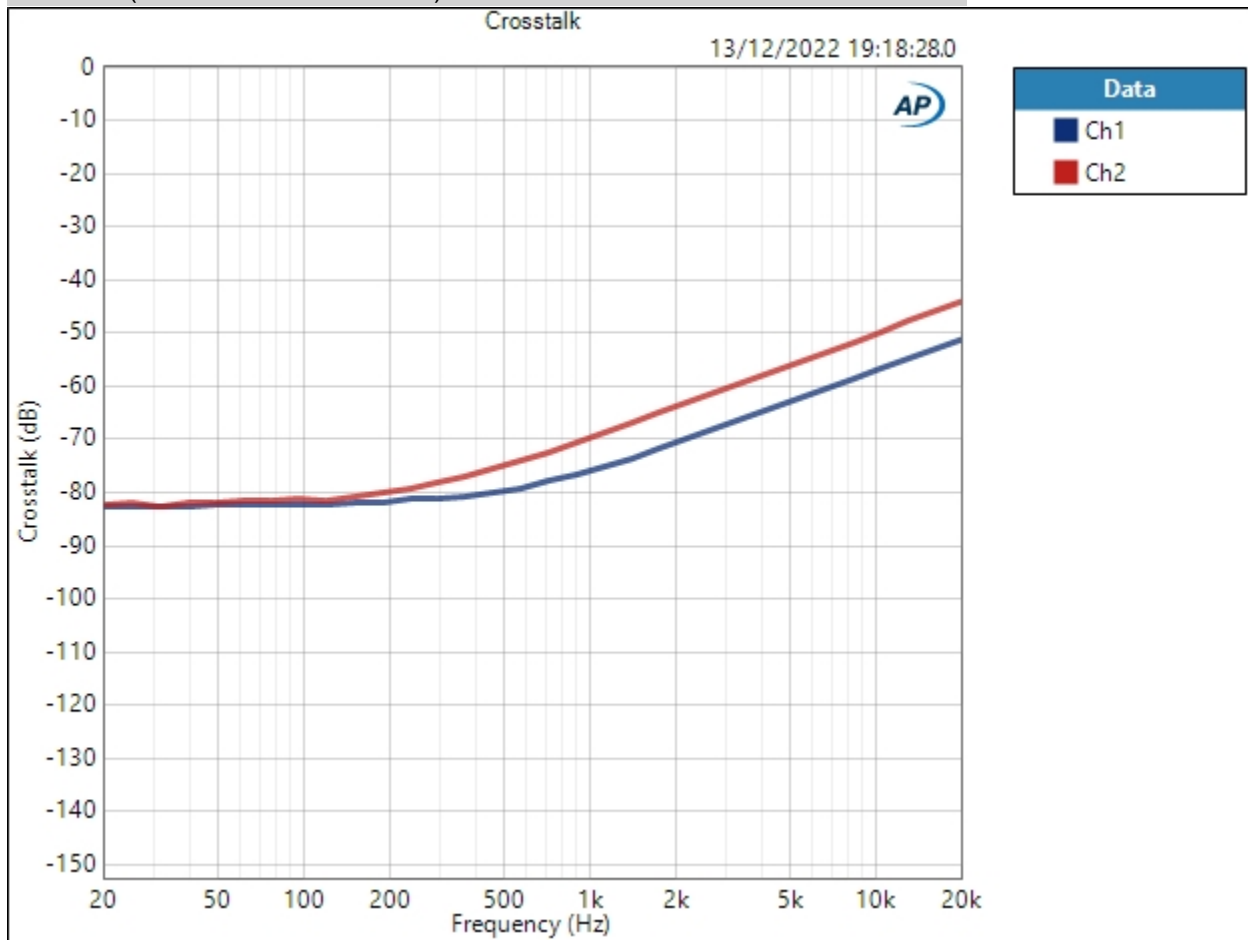
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 13/12/2022 19:18:28

Crosstalk (13/12/2022 19:18:28.071)





Sequence Report



Result:  PASSED



Sequence Report



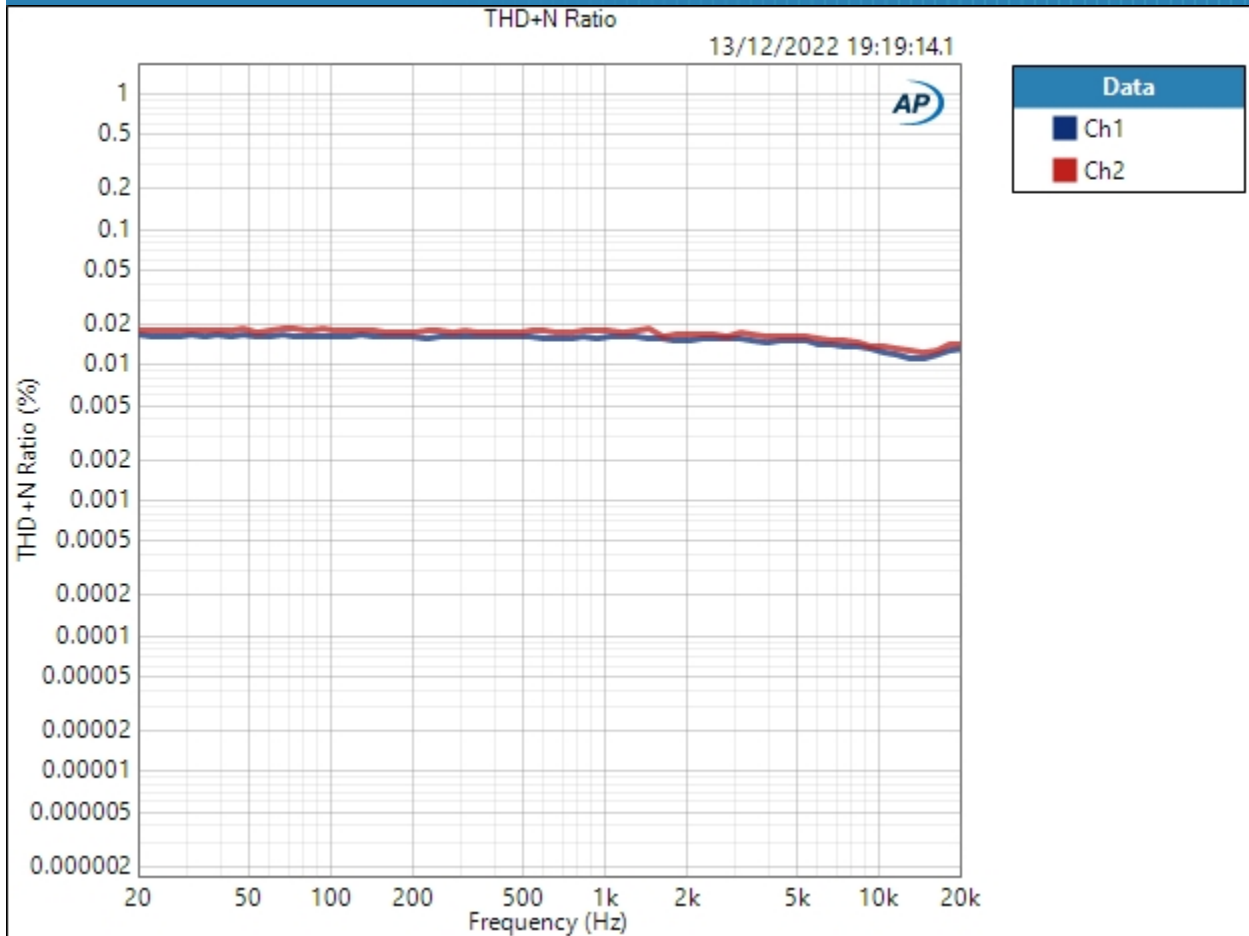
SIG 6 - 50mV Performance Tests (IEM Level) : THD+N vs Frequency

| | |
|----------------------|---------------------------------|
| Waveform: | Sine |
| Generator Mode: | High Performance Sine Generator |
| Precision Tune: | Disabled |
| Generator Level: | 0.000 dBrG (@4.000 Vrms) |
| 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 | 13/12/2022 19:19:14 |

THD+N Ratio (13/12/2022 19:19:14.166)



Sequence Report

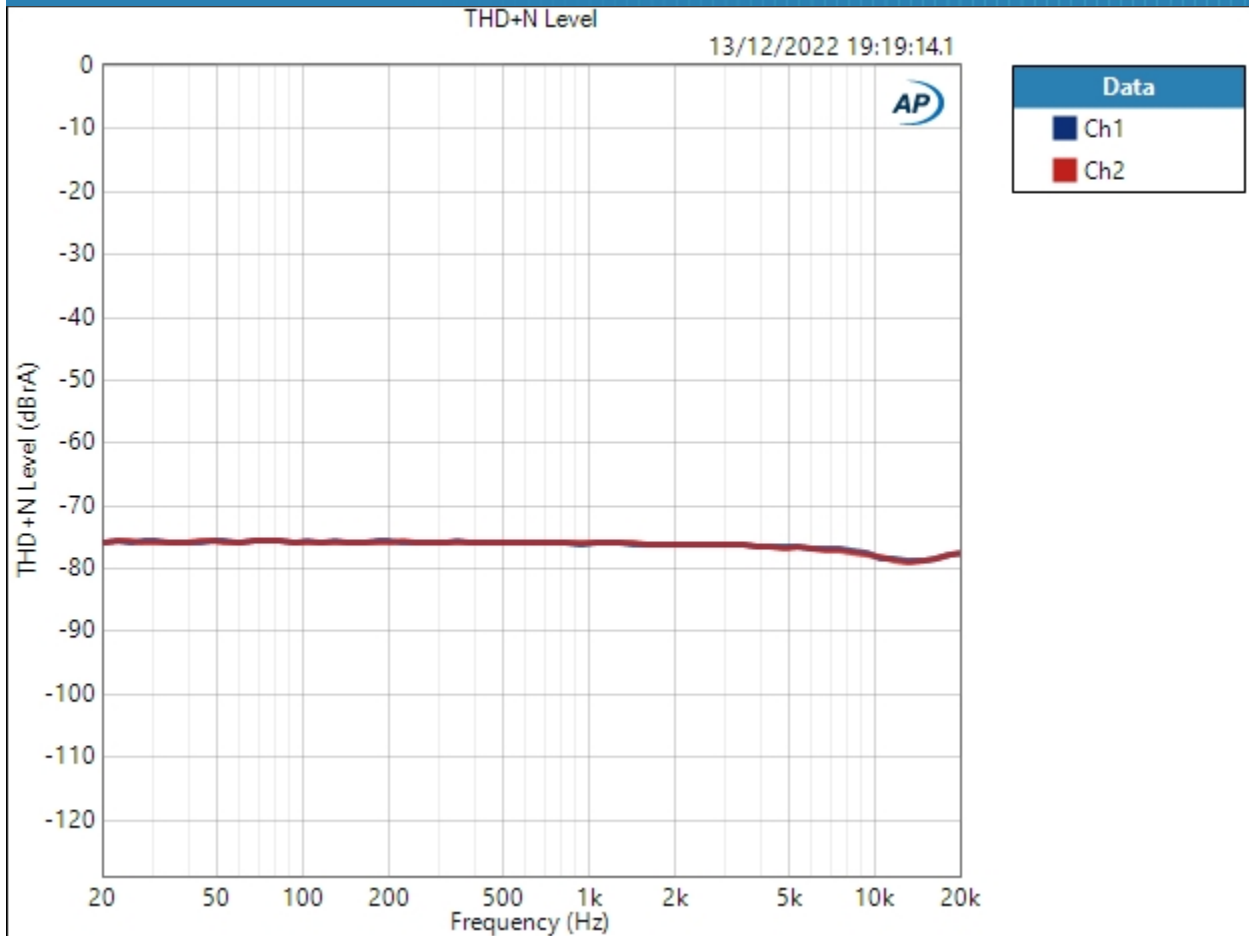


Result: ✔ PASSED

THD+N Level (13/12/2022 19:19:14.166)



Sequence Report



Result: PASSED



Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : DC Level (Active)

Waveform: Sine
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:19:21.138)

Ch1 -2.733 mV
Ch2 -2.371 mV

SIG 6 - 50mV Performance Tests (IEM Level) : DC Level (Idle)

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

DC Level (13/12/2022 19:19:27.899)

Ch1 -2.730 mV
Ch2 -2.366 mV



Sequence Report



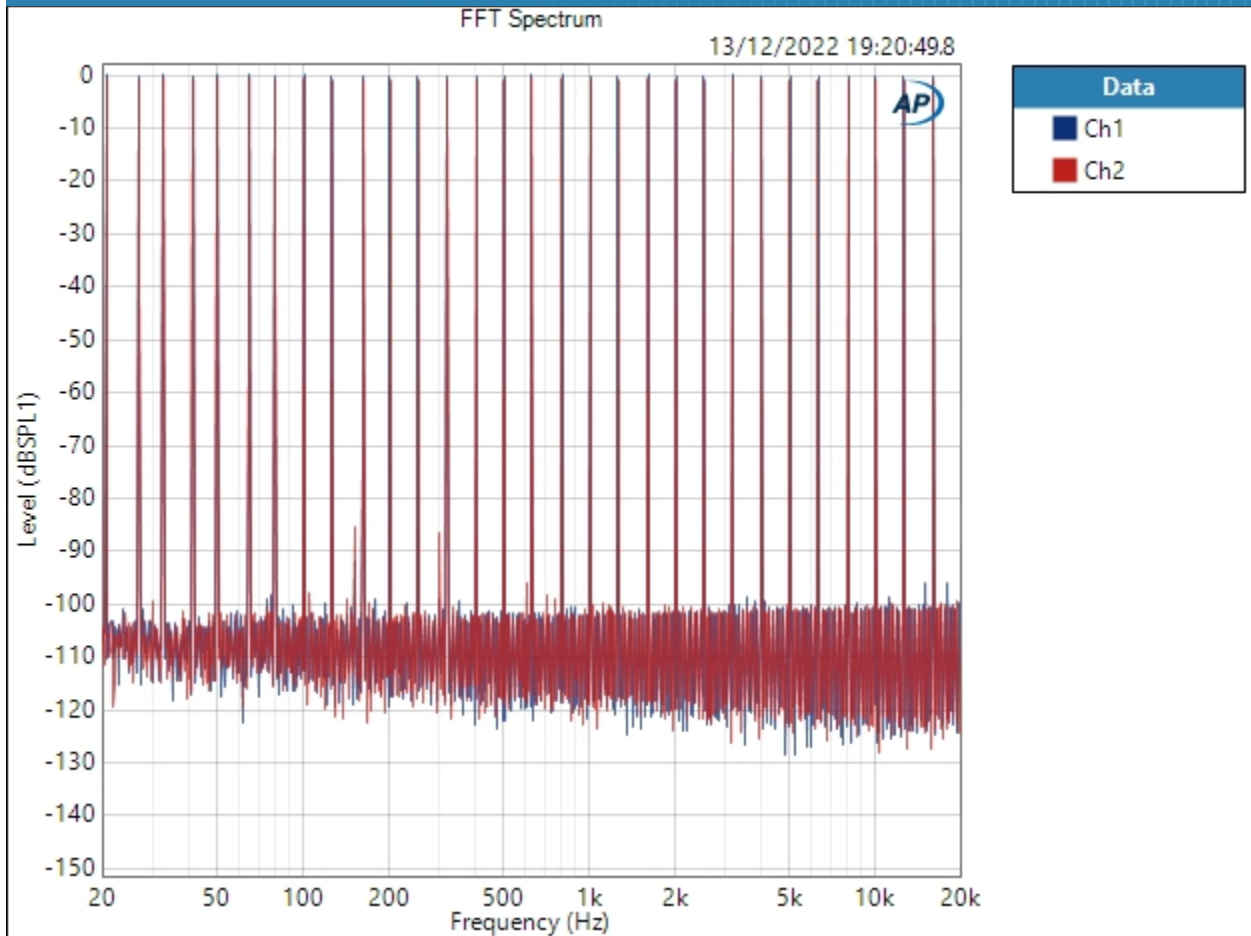
SIG 6 - 50mV Performance Tests (IEM Level) : 32 Tone Test

Waveform: 32 Tone Test.wav
Start Offset (sec): 0.000 s
Generator Level: 0.000 dBrG (@4.000 Vrms)
DC Offset: 0.000 V
Secondary Source: None
Measured 1 13/12/2022 19:20:49
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 1248000
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (13/12/2022 19:20:49.860)



Sequence Report



Result:  PASSED