

APx555 Standard Test Suite: Yggdrasil MIB



Notes:

If you have difficulties reproducing these results, check your analyzer set-up and ancillary equipment carefully, ensure your analyzer has had a recent calibration, and contact the analyzer manufacturer for help if necessary. If you still have significantly different results, please contact info@schitt.com with a copy of your results so we can bring back your product and check it against our standard.

APx Instrument

Instrument ID:	11571
Calibration Date:	3/23/2021
APx Version:	6.0.2.600.149330

Balanced : Signal Path Setup

Output Connector:	Digital Optical
Output Sample Rate:	44.1000 kHz
Output Bit Depth:	24
Dither:	Enabled
Output Mode:	Consumer
Status Bits:	Auto (Consumer)
Auto Range:	Enabled
Output EQ:	None
Input 1:	Analog Balanced
Input Bandwidth:	AC (<10 Hz) - 20 kHz (44.1 kHz SR)
Input EQ:	None
Channels:	2
Termination:	200 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:	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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11/5/2025 12:21 PM

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

Balanced : Level and Gain

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

RMS Level (11/5/2025 11:56:58.337 AM)

Ch1 4.026 Vrms
Ch2 4.025 Vrms

Balanced : DC Level

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

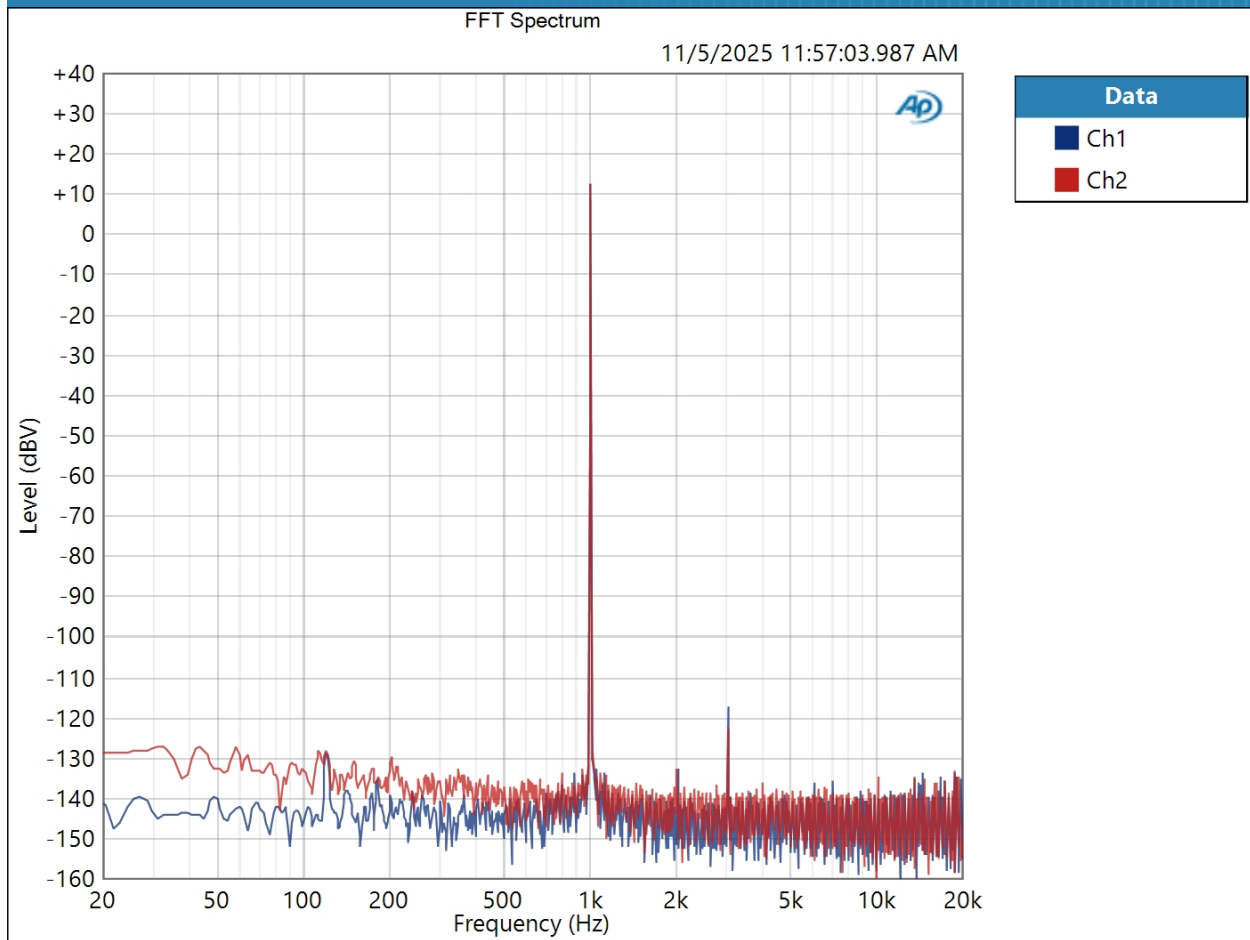
DC Level (11/5/2025 11:56:59.713 AM)

Ch1 -305.1 μ V
Ch2 -135.3 μ V

Balanced : Signal Analyzer

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 11/5/2025 11:57:03 AM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 32K
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (11/5/2025 11:57:03.987 AM)

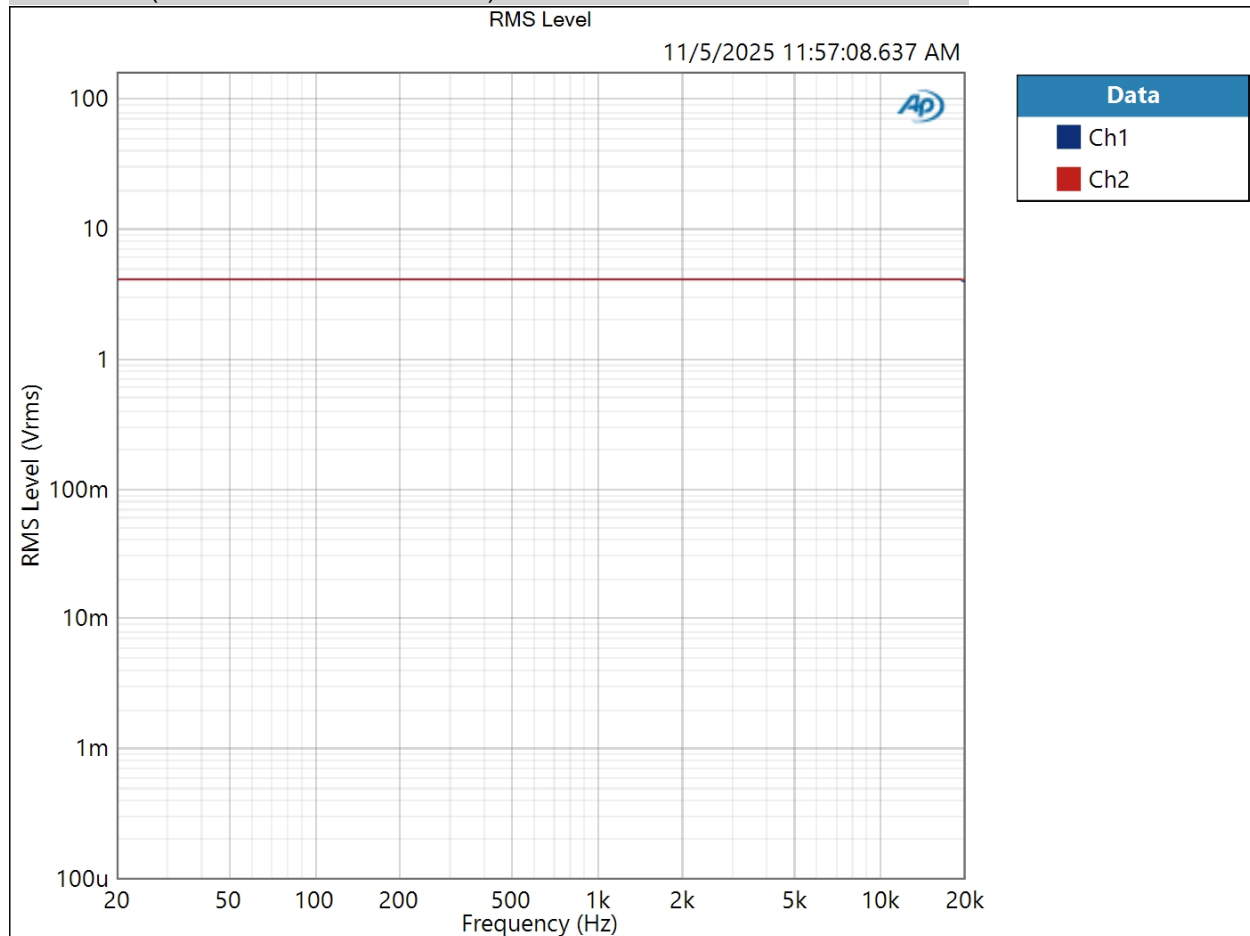


Result: PASSED

Balanced : Frequency Response

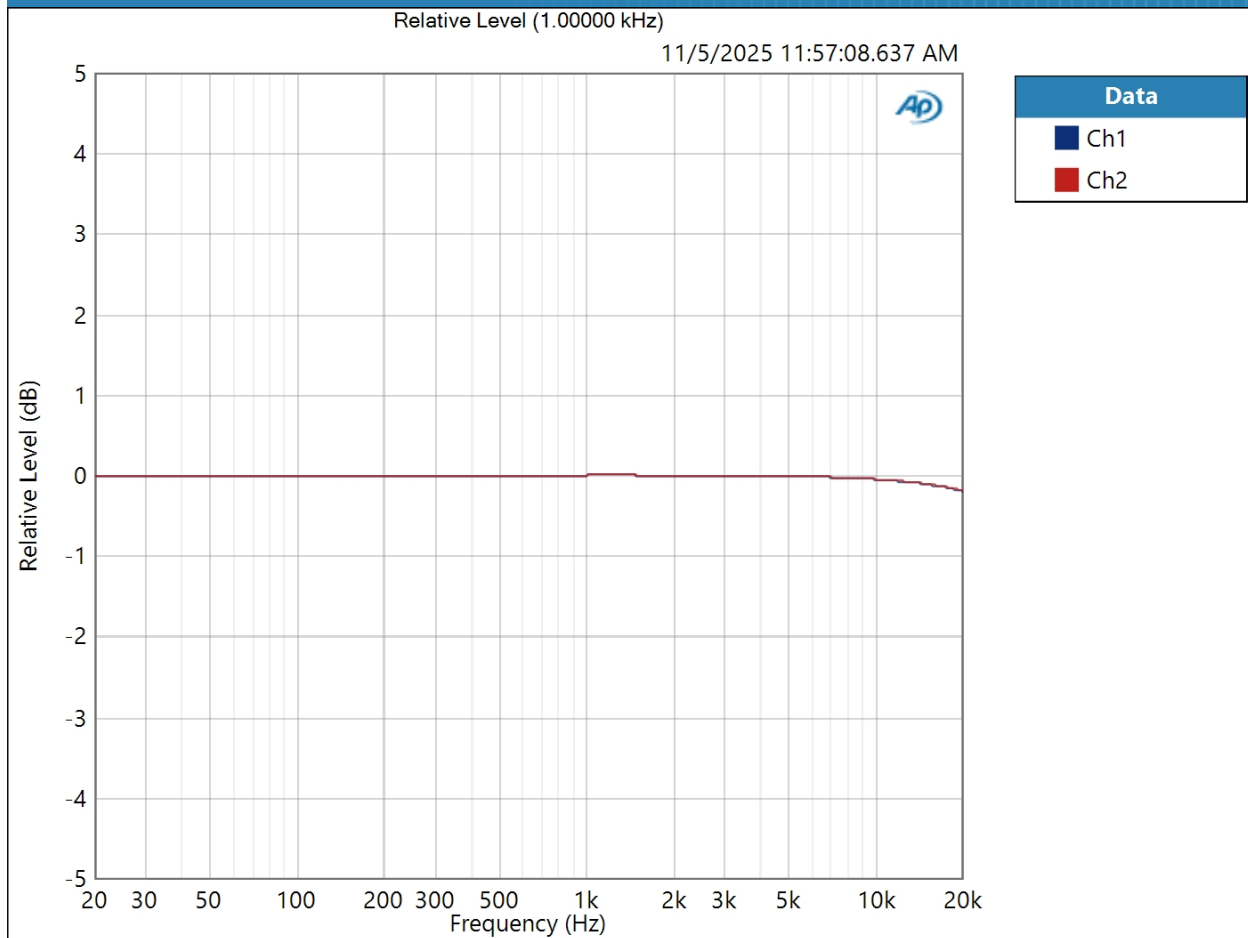
Start Frequency: 20.0000 Hz
 Stop Frequency: 20.0000 kHz
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 EQ: None
 Pre-Sweep: 100.0 ms
 Sweep: 350.0 ms
 Extend Acquisition By: 1.000 s
 Secondary Source: None
 Measured 1 11/5/2025 11:57:08 AM

RMS Level (11/5/2025 11:57:08.637 AM)



Result: PASSED

Relative Level (1.00000 kHz) (11/5/2025 11:57:08.637 AM)



Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (11/5/2025 11:57:08.637 AM)

Ch1 ± 0.107 dBCh2 ± 0.103 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

Balanced : 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 (11/5/2025 11:57:11.140 AM)

Ch1 120.884 dB

Ch2 118.649 dB

Balanced : THD+N

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: A-wt.
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (11/5/2025 12:10:03.438 PM)

Ch1 0.000090 %

Ch2 0.000104 %

THD Ratio (11/5/2025 12:10:03.438 PM)

Ch1 0.000042 %

Ch2 0.000031 %

Noise Ratio (11/5/2025 12:10:03.438 PM)

Ch1 0.000080 %

Ch2 0.000100 %

Distortion Product Ratio (11/5/2025 12:10:03.438 PM)

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	-143.25	-128.11	-147.62	-146.56	-147.20	-149.32	-145.99	-149.40	-153.49
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-139.11	-132.43	-146.01	-141.02	-147.06	-145.30	-146.54	-145.13	-151.88

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Balanced : IMD Level Sweep (CCIF)

IMD Type: CCIF

Mean Frequency: 12.5000 kHz

Diff Frequency: 80.0000 Hz

IMD Split: False

Start Level: -60.000 dBFS

Stop Level: -0.000 dBFS

Step Type: Linear

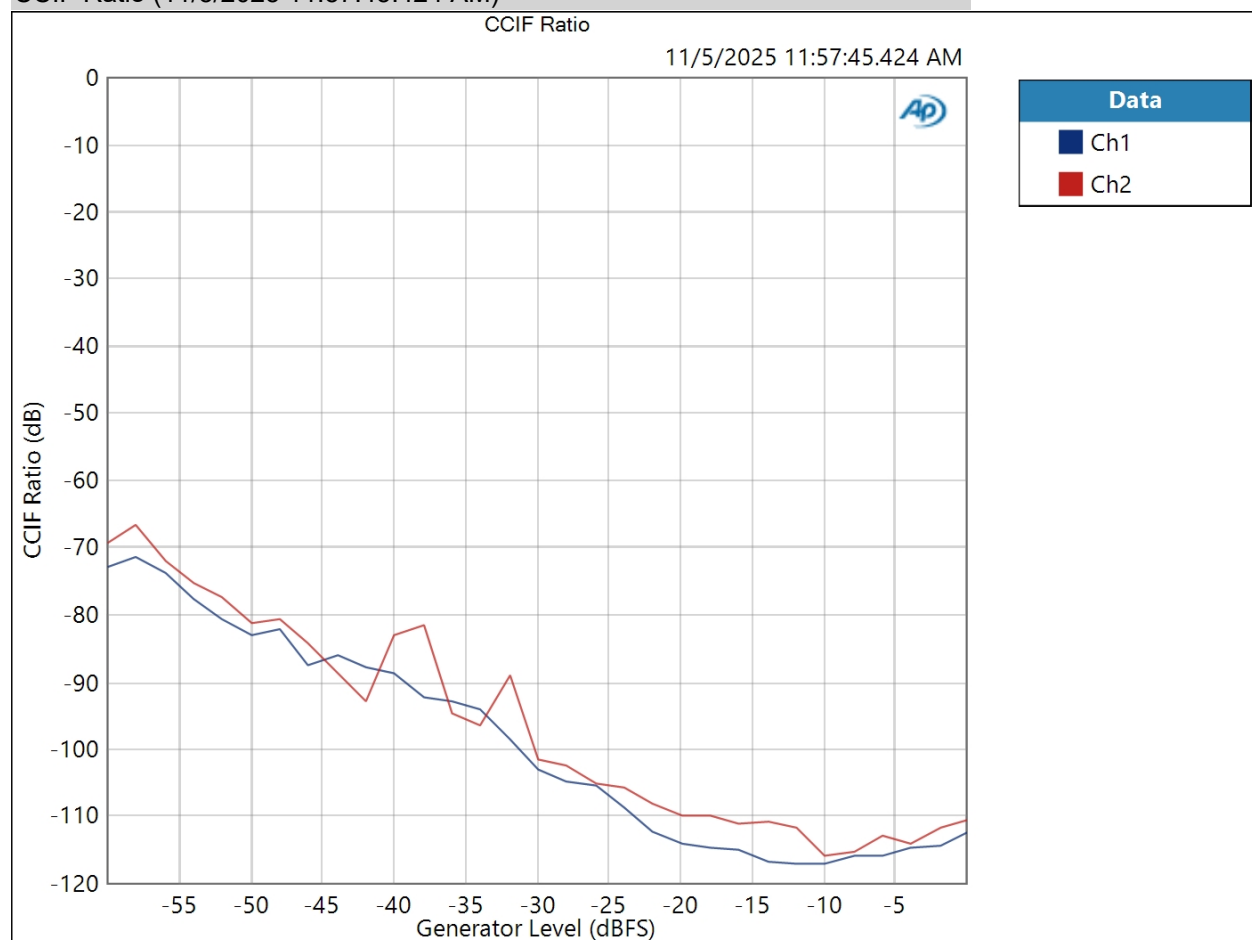
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 11/5/2025 11:57:45 AM

CCIF Ratio (11/5/2025 11:57:45.424 AM)



Result:  PASSED

Balanced : IMD Frequency Sweep (CCIF)

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Sweep Frequency: Mean Frequency

Diff Frequency: 80.0000 Hz

IMD Split: False

Start Frequency: 20.0000 kHz

Stop Frequency: 250.000 Hz

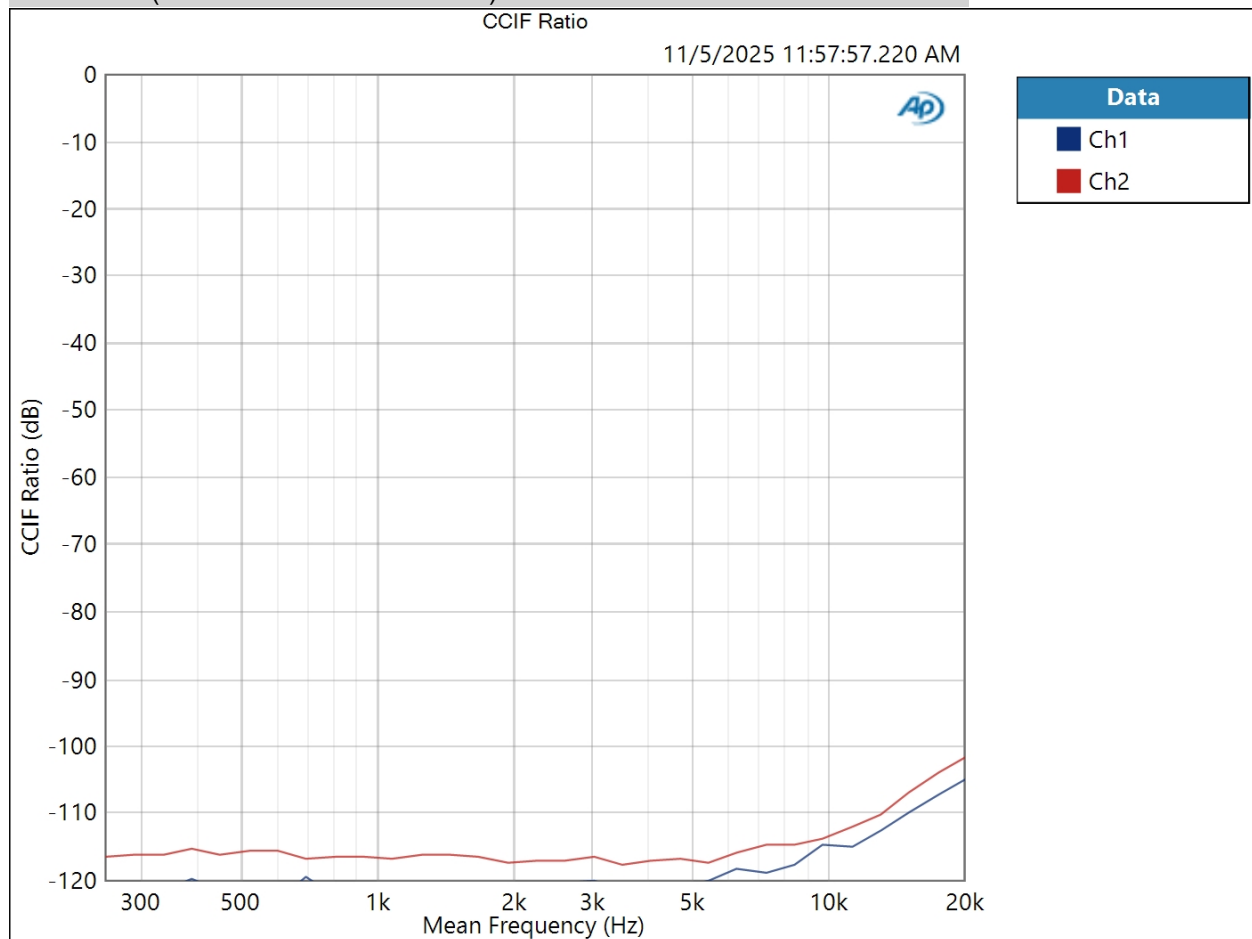
Step Type: Logarithmic

Number of Points: 31

Mode: d2+d3

Measured 1 11/5/2025 11:57:57 AM

CCIF Ratio (11/5/2025 11:57:57.220 AM)



Result:  PASSED

Balanced : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Frequency: 10.0000 kHz

Crosstalk (11/5/2025 11:58:02.439 AM)

Ch1 -140.531 dB

Ch2 -120.092 dB

Balanced : Crosstalk Sweep, One Channel Driven

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Start Frequency: 20.0000 kHz

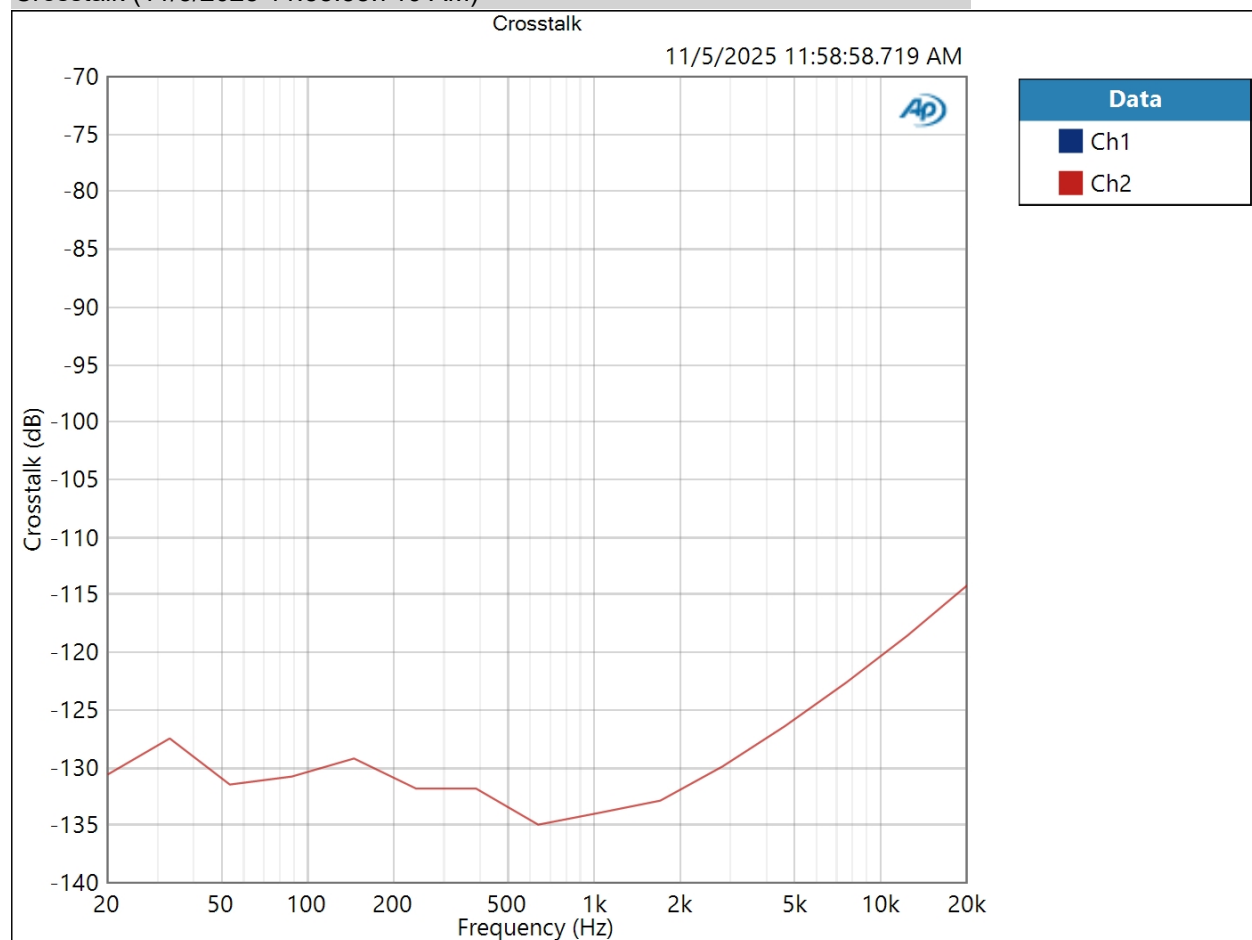
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 15

Measured 1 11/5/2025 11:58:58 AM

Crosstalk (11/5/2025 11:58:58.719 AM)



Crosstalk Parameters

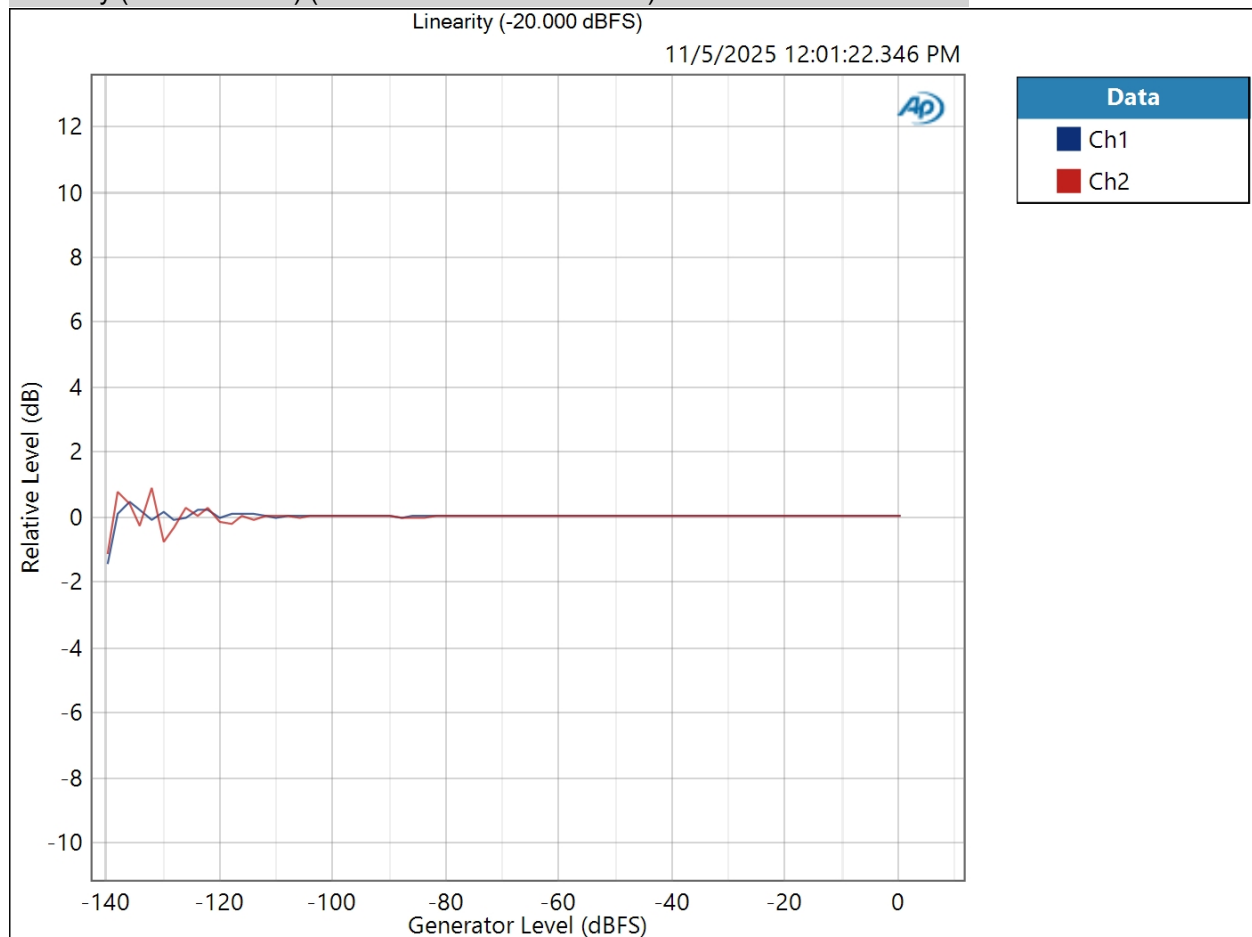
Source: Ch1

Result: PASSED

Balanced : Bandpass Level Sweep

Waveform: Sine
 Frequency: 1.00000 kHz
 Start Level: -140.000 dBFS
 Stop Level: -0.000 dBFS
 Step Type: Linear
 Number of Points: 71
 Step Size: +2.000 dBFS
 Offset: 0.000 D
 Selectivity: Window width
 Bandpass Tuning Mode: Generator Frequency
 Measured 1 11/5/2025 12:01:22 PM

Linearity (-20.000 dBFS) (11/5/2025 12:01:22.346 PM)



Linearity (-20.000 dBFS) Parameters

Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result:  PASSED

Single Ended : Signal Path Setup

Output Connector:	Digital Optical
Output Sample Rate:	44.1000 kHz
Output Bit Depth:	24
Dither:	Enabled
Output Mode:	Consumer
Status Bits:	Auto (Consumer)
Auto Range:	Enabled
Output EQ:	None
Input 1:	Analog Unbalanced
Input Bandwidth:	AC (<10 Hz) - 20 kHz (44.1 kHz SR)
Input EQ:	None
Channels:	2
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:	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
Sync Out Level:	3.300 V

11/5/2025 12:21 PM

Sync Out Polarity: Normal
Timebase Reference: Internal
Jitter: Disabled
• Triggers
Source: Off
Input Logic Level: 3.300 V
Edge: Rising

Single Ended : Level and Gain

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

RMS Level (11/5/2025 12:18:53.424 PM)

Ch1 2.003 Vrms
Ch2 2.002 Vrms

Single Ended : DC Level

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

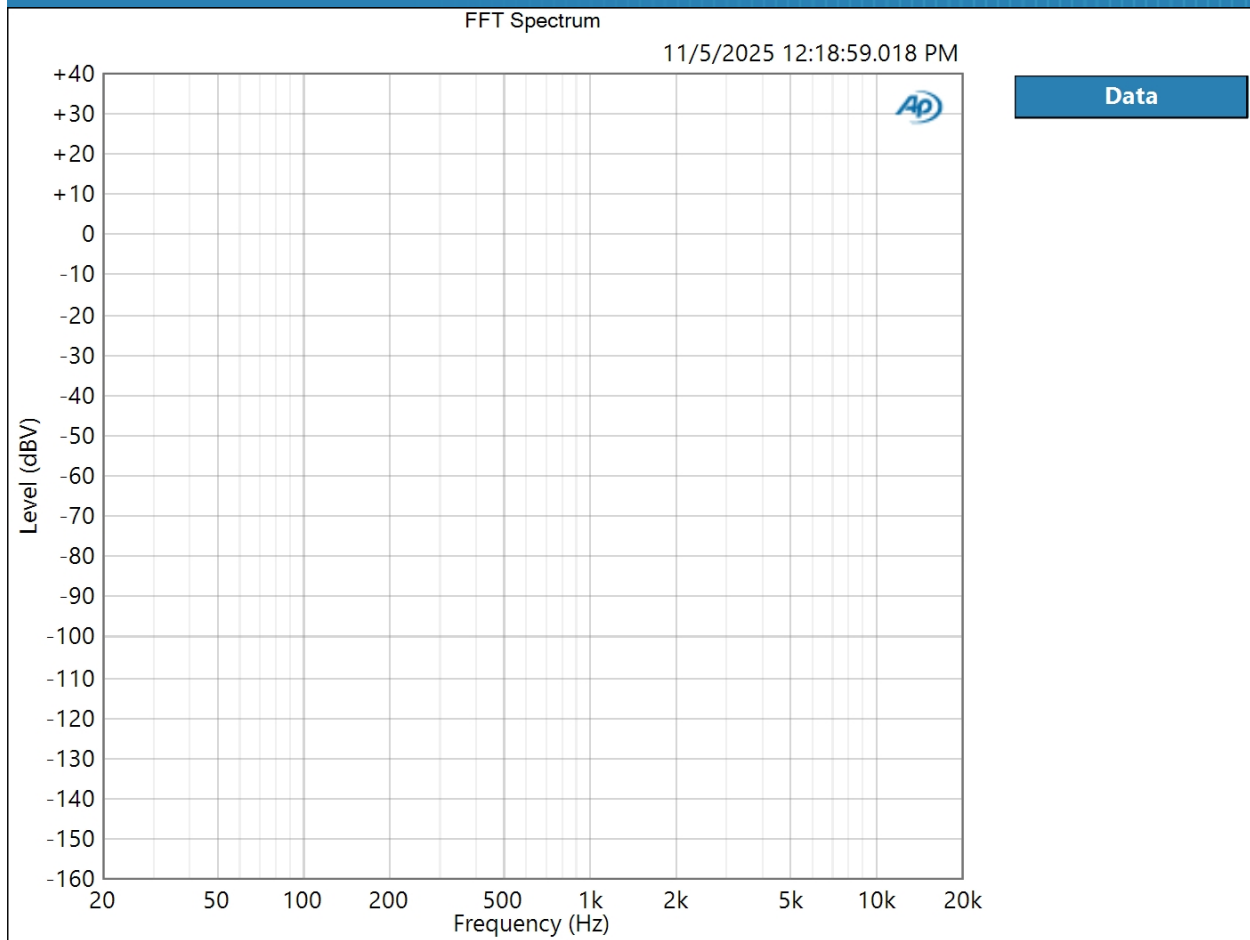
DC Level (11/5/2025 12:18:54.799 PM)

Ch1 -177.7 μ V
Ch2 -96.55 μ V

Single Ended : Signal Analyzer

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 11/5/2025 12:18:59 PM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 32K
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (11/5/2025 12:18:59.018 PM)

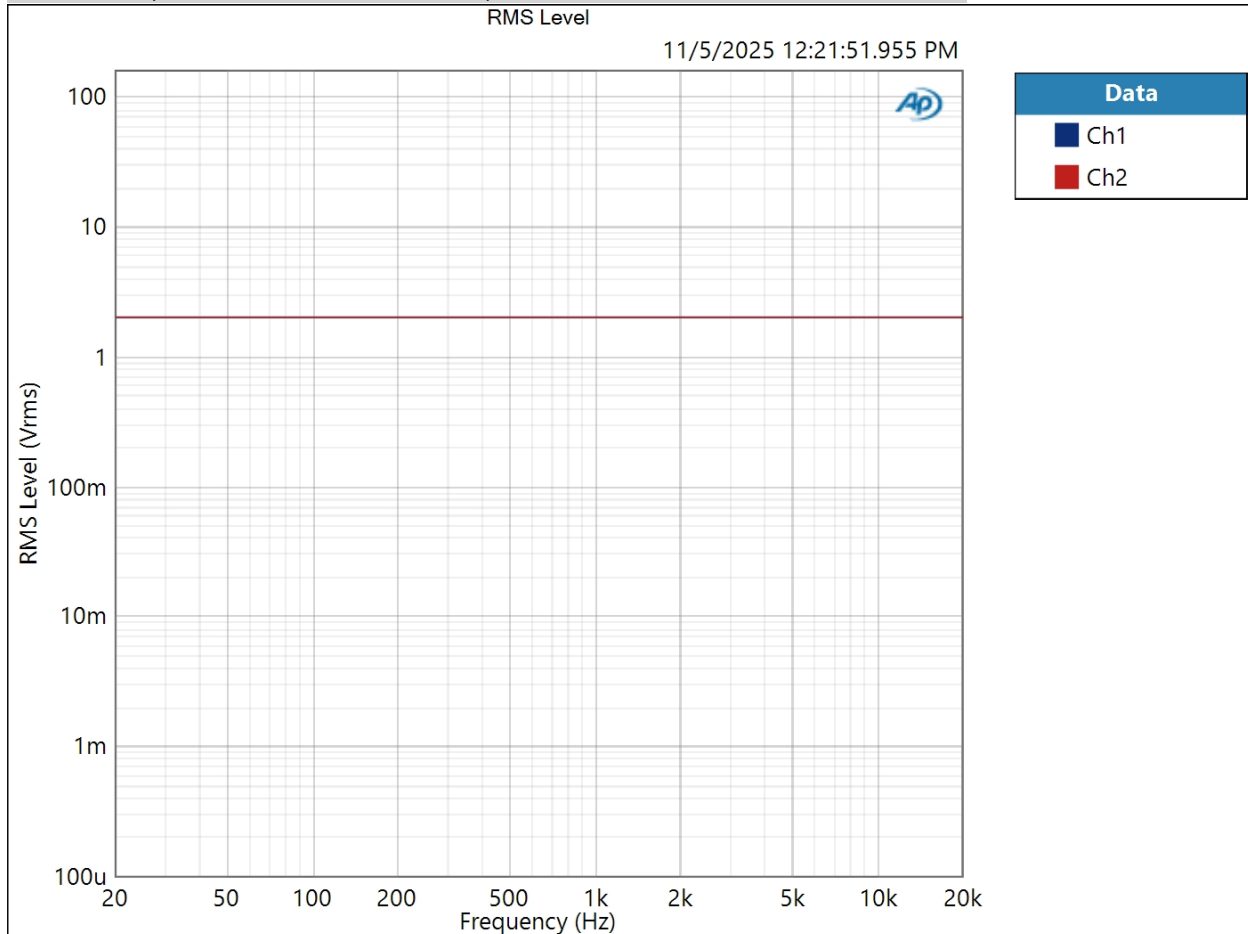


Result:  PASSED

Single Ended : Frequency Response

Start Frequency: 20.0000 Hz
 Stop Frequency: 20.0000 kHz
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 EQ: None
 Pre-Sweep: 100.0 ms
 Sweep: 350.0 ms
 Extend Acquisition By: 1.000 s
 Secondary Source: None
 Measured 1 11/5/2025 12:21:51 PM

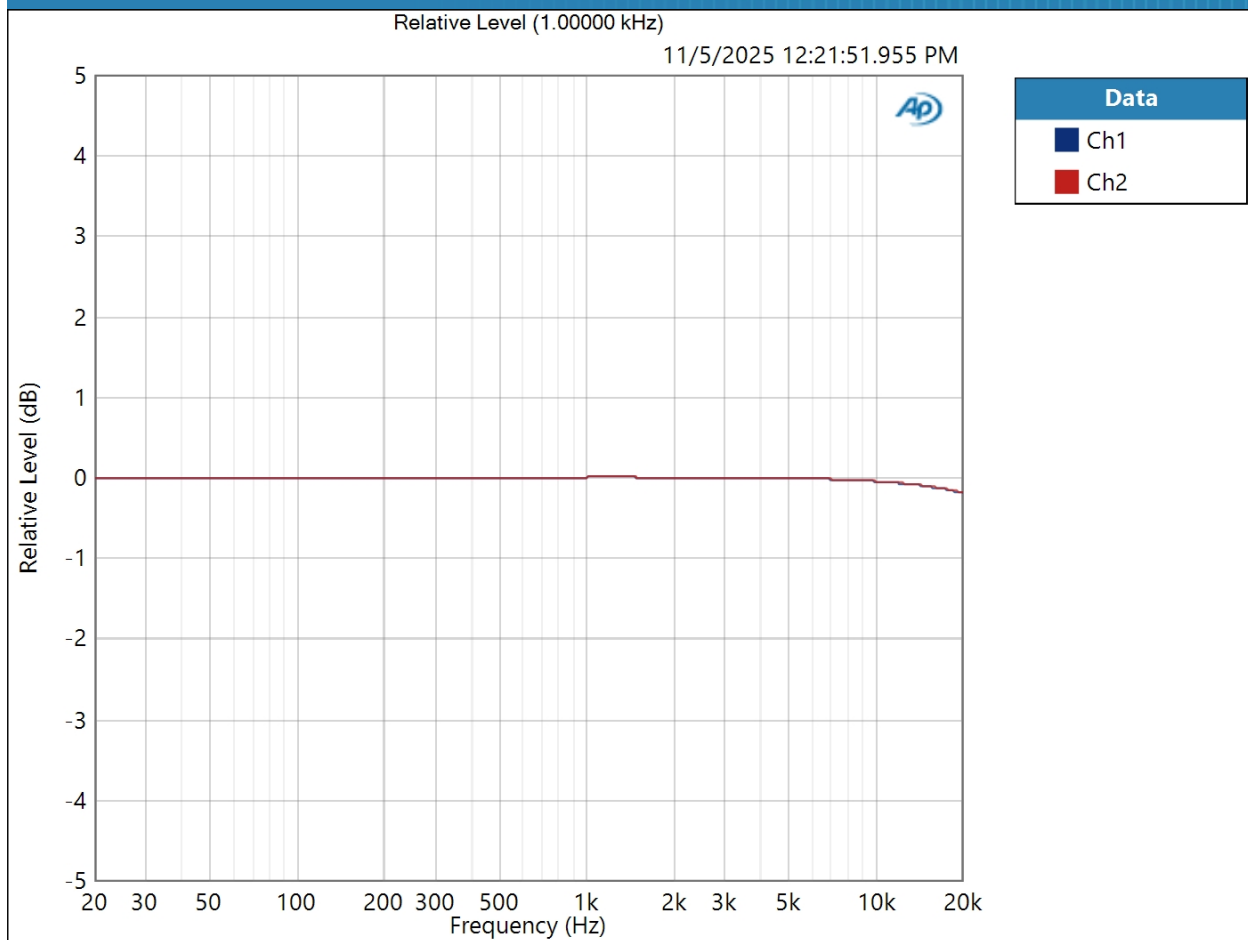
RMS Level (11/5/2025 12:21:51.955 PM)



Result: PASSED

Relative Level (1.00000 kHz) (11/5/2025 12:21:51.955 PM)

11/5/2025 12:21 PM



Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (11/5/2025 12:21:51.955 PM)

Ch1 ± 0.107 dBCh2 ± 0.103 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

Single Ended : 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 (11/5/2025 12:19:04.062 PM)

Ch1 113.927 dB

Ch2 116.716 dB

Single Ended : THD+N

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: A-wt.
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (11/5/2025 12:19:06.584 PM)

Ch1 0.000125 %

Ch2 0.000138 %

THD Ratio (11/5/2025 12:19:06.584 PM)

Ch1 0.000080 %

Ch2 0.000078 %

Noise Ratio (11/5/2025 12:19:06.584 PM)

Ch1 0.000096 %

Ch2 0.000111 %

Distortion Product Ratio (11/5/2025 12:19:06.584 PM)

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	-123.46	-127.62	-144.99	-144.55	-147.66	-145.23	-149.17	-146.04	-153.15
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-122.83	-132.53	-139.94	-141.77	-143.24	-149.20	-148.51	-148.70	-148.02

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Single Ended : IMD Level Sweep (CCIF)

IMD Type: CCIF

Mean Frequency: 12.5000 kHz

Diff Frequency: 80.0000 Hz

IMD Split: False

Start Level: -60.000 dBFS

Stop Level: -0.000 dBFS

Step Type: Linear

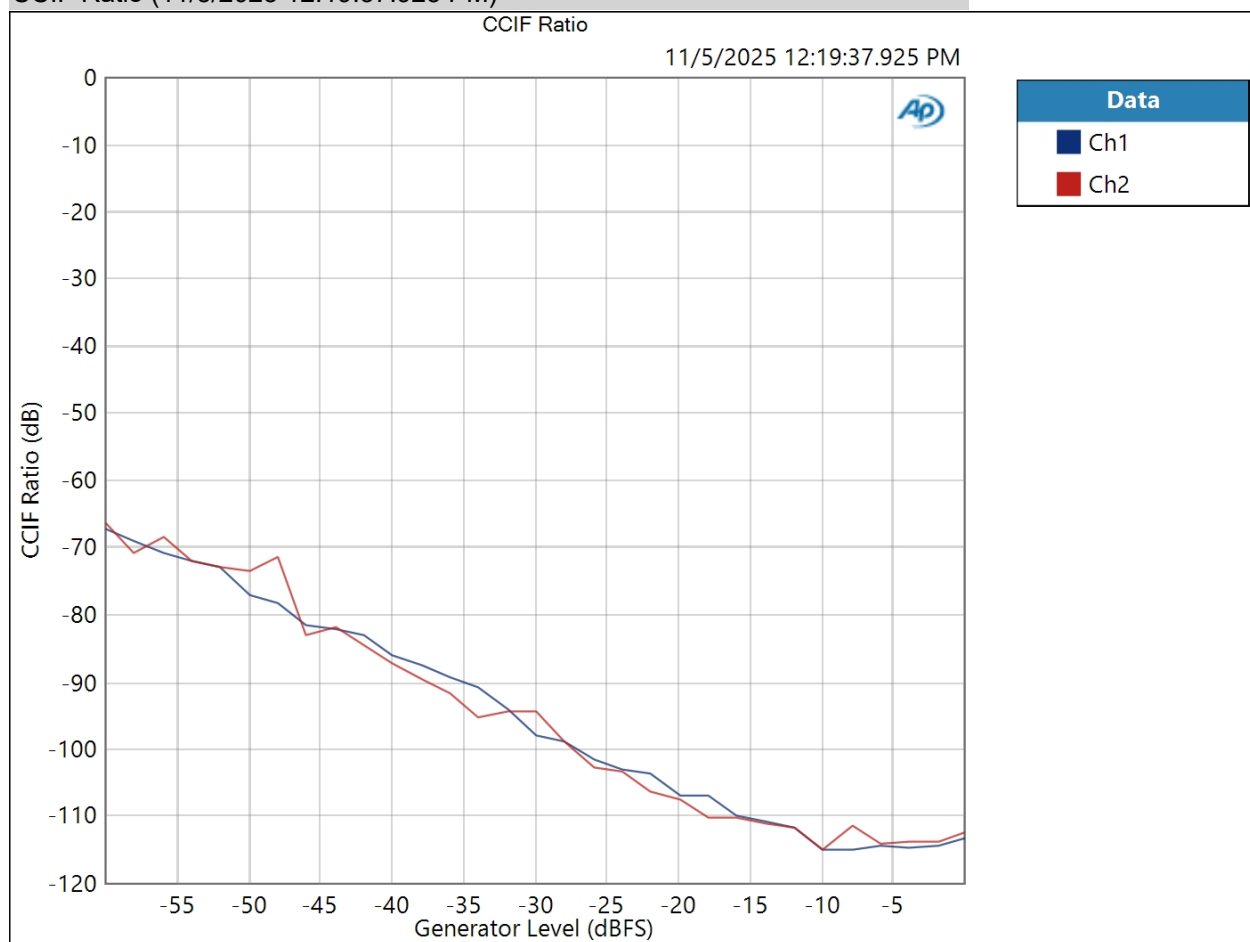
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 11/5/2025 12:19:37 PM

CCIF Ratio (11/5/2025 12:19:37.925 PM)



Result:  PASSED

Single Ended : IMD Frequency Sweep (CCIF)

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Sweep Frequency: Mean Frequency

Diff Frequency: 80.0000 Hz

IMD Split: False

Start Frequency: 20.0000 kHz

Stop Frequency: 250.000 Hz

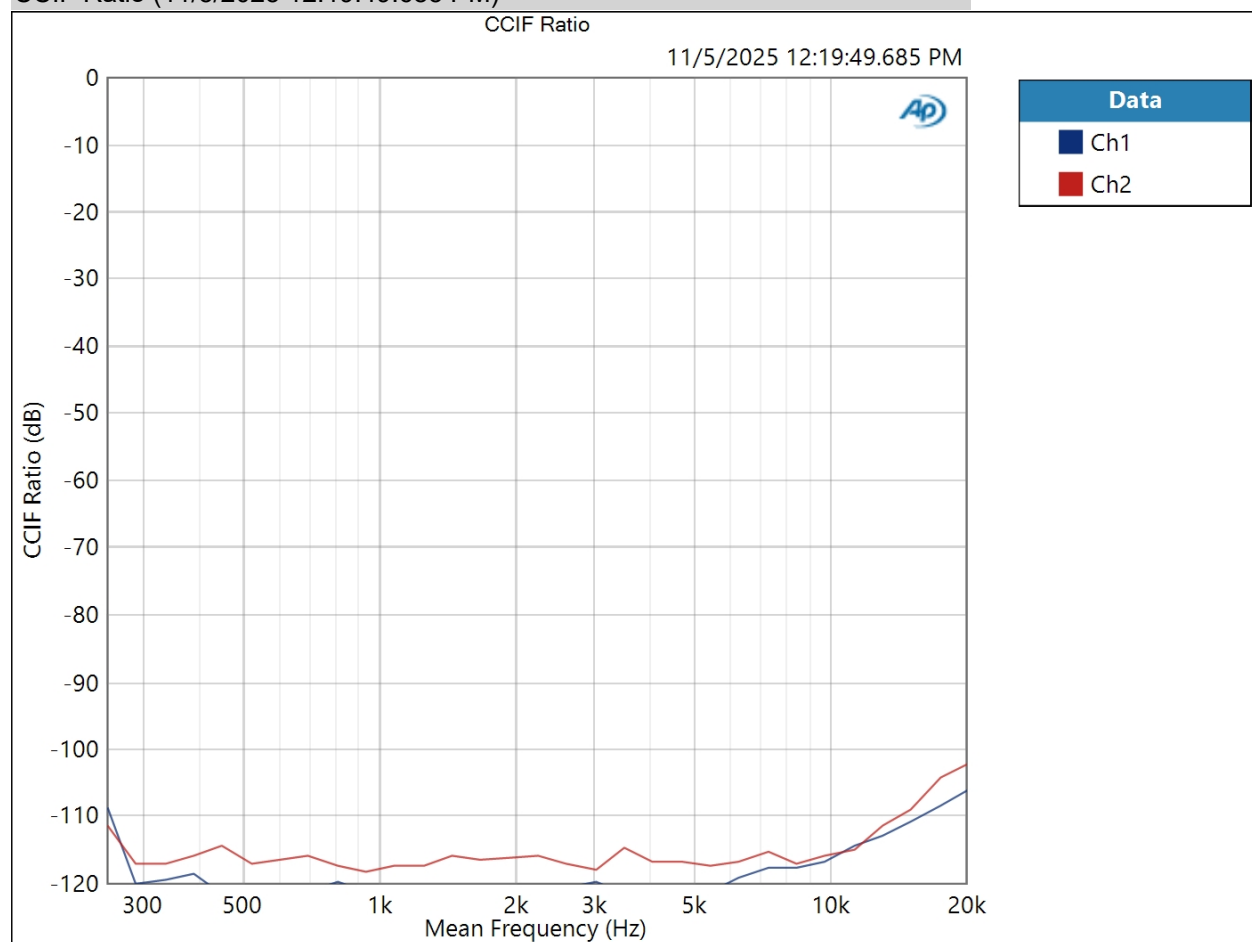
Step Type: Logarithmic

Number of Points: 31

Mode: d2+d3

Measured 1 11/5/2025 12:19:49 PM

CCIF Ratio (11/5/2025 12:19:49.685 PM)



Result:  PASSED

Single Ended : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Frequency: 10.0000 kHz

Crosstalk (11/5/2025 12:19:53.327 PM)

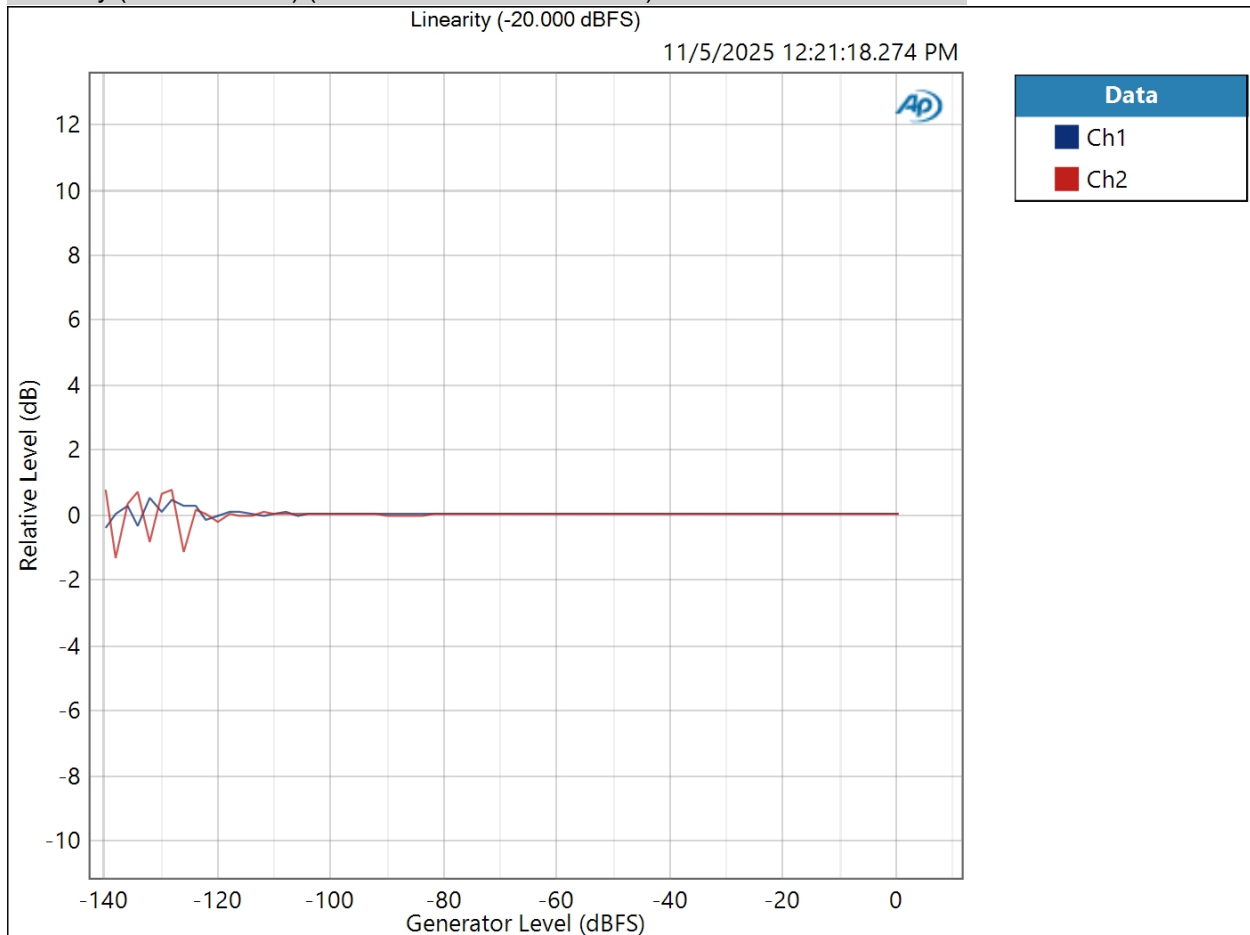
Ch1 -114.666 dB

Ch2 -107.369 dB

Single Ended : Bandpass Level Sweep

Waveform: Sine
 Frequency: 1.00000 kHz
 Start Level: -140.000 dBFS
 Stop Level: -0.000 dBFS
 Step Type: Linear
 Number of Points: 71
 Step Size: +2.000 dBFS
 Offset: 0.000 D
 Selectivity: Window width
 Bandpass Tuning Mode: Generator Frequency
 Measured 1 11/5/2025 12:21:18 PM

Linearity (-20.000 dBFS) (11/5/2025 12:21:18.274 PM)



Linearity (-20.000 dBFS) Parameters

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Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result:  PASSED

Jitter : Signal Path Setup

Output Connector:	Digital Optical
Output Sample Rate:	44.1000 kHz
Output Bit Depth:	24
Dither:	Enabled
Output Mode:	Consumer
Status Bits:	Auto (Consumer)
Auto Range:	Enabled
Output EQ:	None
Input 1:	Analog Unbalanced
Input Bandwidth:	AC (<10 Hz) - 20 kHz (44.1 kHz SR)
Input EQ:	None
Channels:	2
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:	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
Sync Out Level:	3.300 V

11/5/2025 12:21 PM

Sync Out Polarity: Normal
Timebase Reference: Internal
Jitter: Disabled
• Triggers
Source: Off
Input Logic Level: 3.300 V
Edge: Rising

Jitter : Verify Connections

Waveform: Sine
Generator Level: -20.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz

RMS Level (11/5/2025 12:12:19.426 PM)

Ch1 200.3 mVrms
Ch2 200.2 mVrms

Gain (11/5/2025 12:12:19.426 PM)

Ch1 2.003 Vrms/FS
Ch2 2.002 Vrms/FS

THD+N Ratio (11/5/2025 12:12:19.426 PM)

Ch1 0.004591 %
Ch2 0.002167 %

Frequency (11/5/2025 12:12:19.426 PM)

Ch1 1.00000 kHz
Ch2 1.00000 kHz

Jitter : Jitter Level Sweep

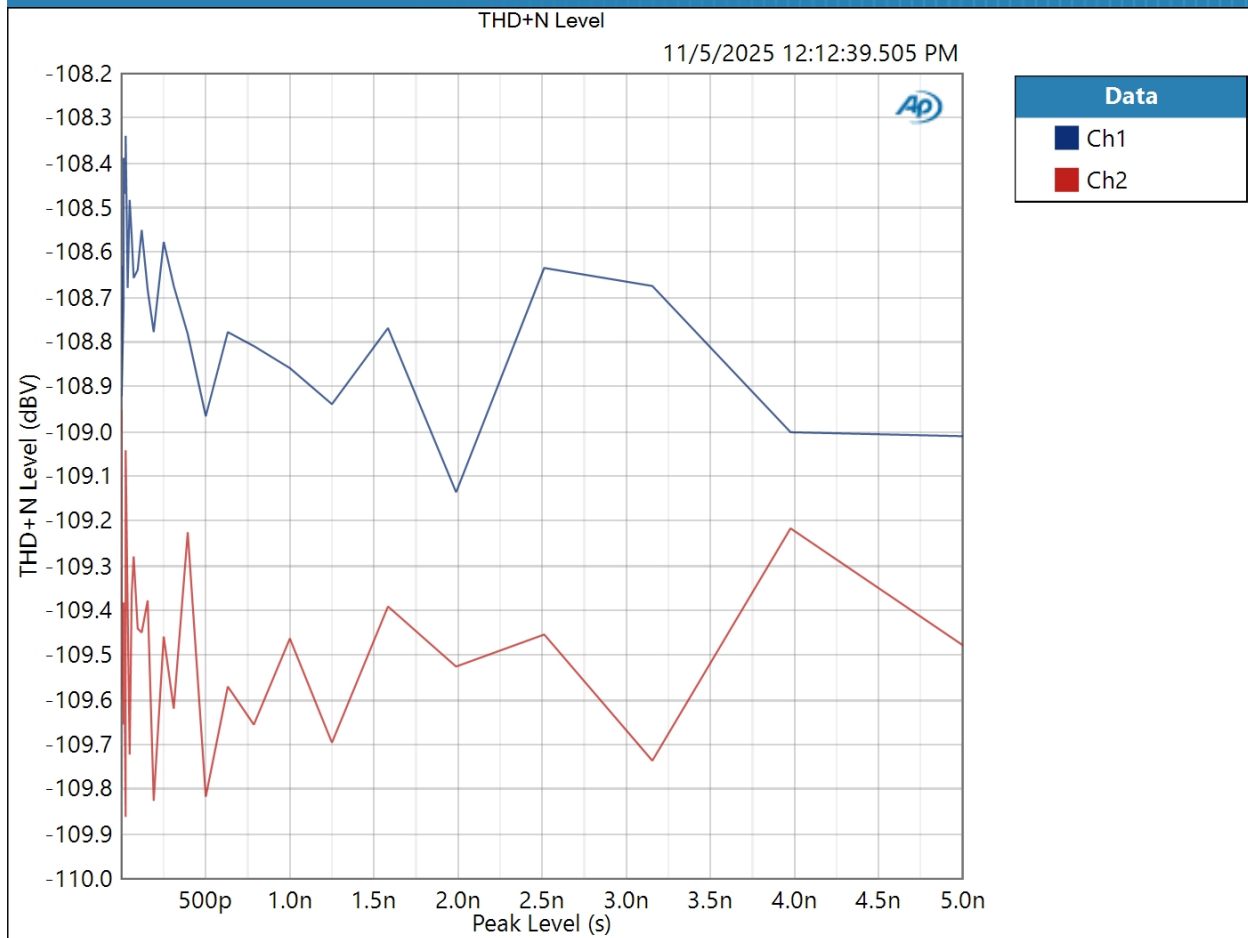
• Audio Generator

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz

• Jitter Generator

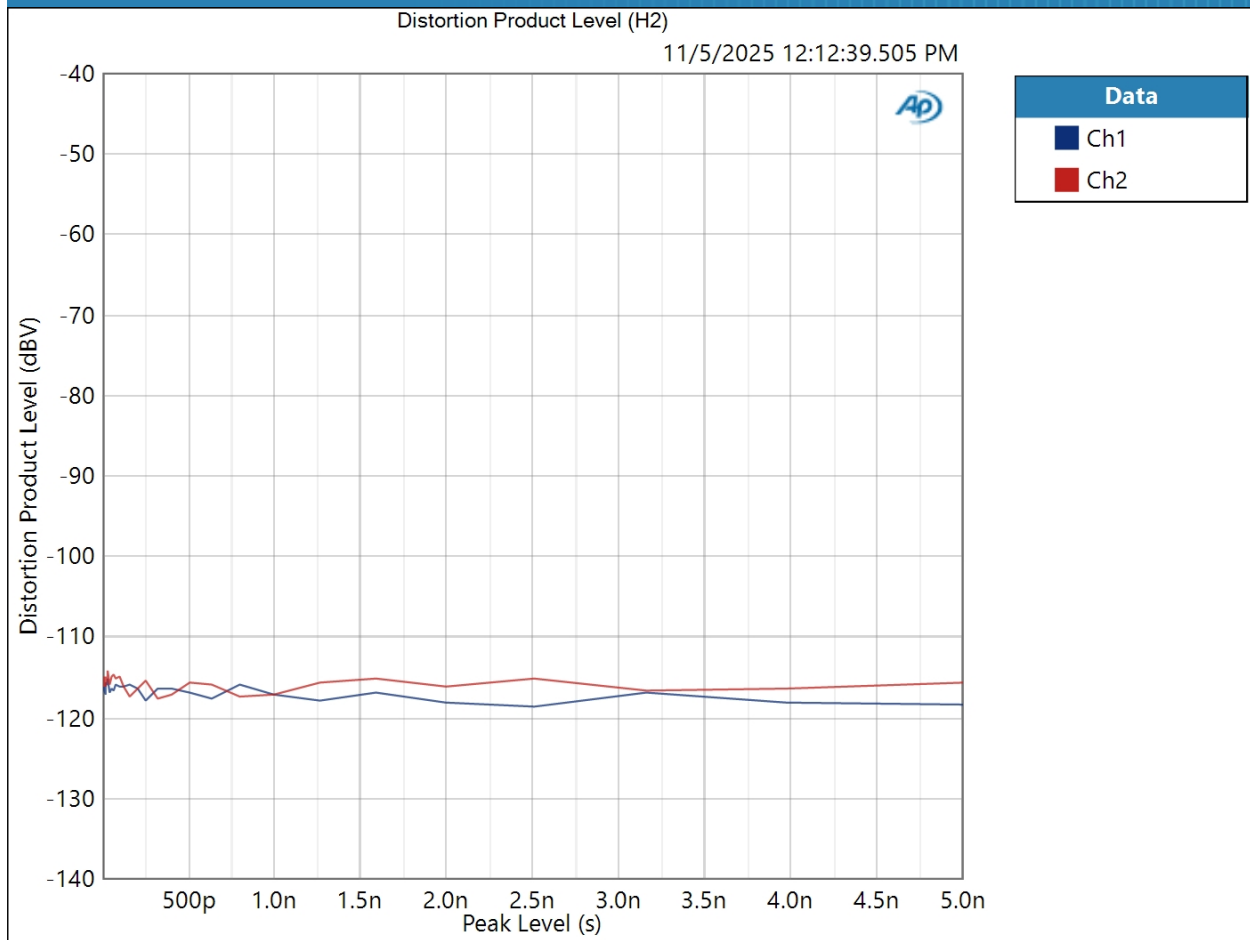
Jitter Waveform: Sine
Start Level: 5.000 ps
Stop Level: 5.000 ns
Step Type: Logarithmic
Number of Points: 31
Jitter Frequency: 1.00000 kHz
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: A-wt.
Notch Tuning Mode: Generator Frequency
Secondary Source: None
Measured 1 11/5/2025 12:12:39 PM

THD+N Level (11/5/2025 12:12:39.505 PM)



Result: ✔ PASSED

Distortion Product Level (H2) (11/5/2025 12:12:39.505 PM)



Distortion Product Level (H2) Parameters

Harmonics: Single Harmonic

Harmonic Number: 2

Result: PASSED