

Schiit APx Report for Mimir



Notes:

This is a test of a representative production line sample. 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.

Summary

Balanced

Level and Gain	✓ PASSED
DC Level	✓ PASSED
Signal Analyzer	✓ PASSED
Frequency Response	✓ PASSED
Signal to Noise Ratio	✓ PASSED
THD+N	✓ PASSED
IMD Level Sweep (CCIF)	✓ PASSED
IMD Frequency Sweep (CCIF)	✓ PASSED
Crosstalk, One Channel Undriven	✓ PASSED
Bandpass Level Sweep	✓ PASSED

SE

Signal Path Setup	✓ PASSED
Level and Gain	✓ PASSED
DC Level	✓ PASSED
Signal Analyzer	✓ PASSED
Frequency Response	✓ PASSED
Signal to Noise Ratio	✓ PASSED
THD+N	✓ PASSED
IMD Level Sweep (CCIF)	✓ PASSED
IMD Frequency Sweep (CCIF)	✓ PASSED
Crosstalk, One Channel Undriven	✓ PASSED
Crosstalk Sweep, One Channel Driven	✓ PASSED
Bandpass Level Sweep	✓ PASSED

Sequence Result:

Sequence Result: ✓ PASSED

APx Instrument

Instrument ID: 100546525
Calibration Date: 2/10/2021
APx Version: 7.1.0.321

Balanced : Signal Path Setup

Output Connector: ASIO
Asio Device: ASIO4ALL v2
Scaling Mode: Digital
Output Sample Rate: 44.1000 kHz
Output Latency: Auto
Buffer Size: 1024
Clock Source: Big Ben
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
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
dBSPL1: 10.00 mVrms
dBSPL2: 10.00 mVrms
dBSPL1 Calibrator Level: 94.000 dB SPL
dBSPL2 Calibrator Level: 94.000 dB SPL
dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 8.000 ohm

• DCX

DCX is not detected.

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 (4/9/2025 10:11:36.585 AM)

Ch1 4.006 Vrms
Ch2 3.994 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

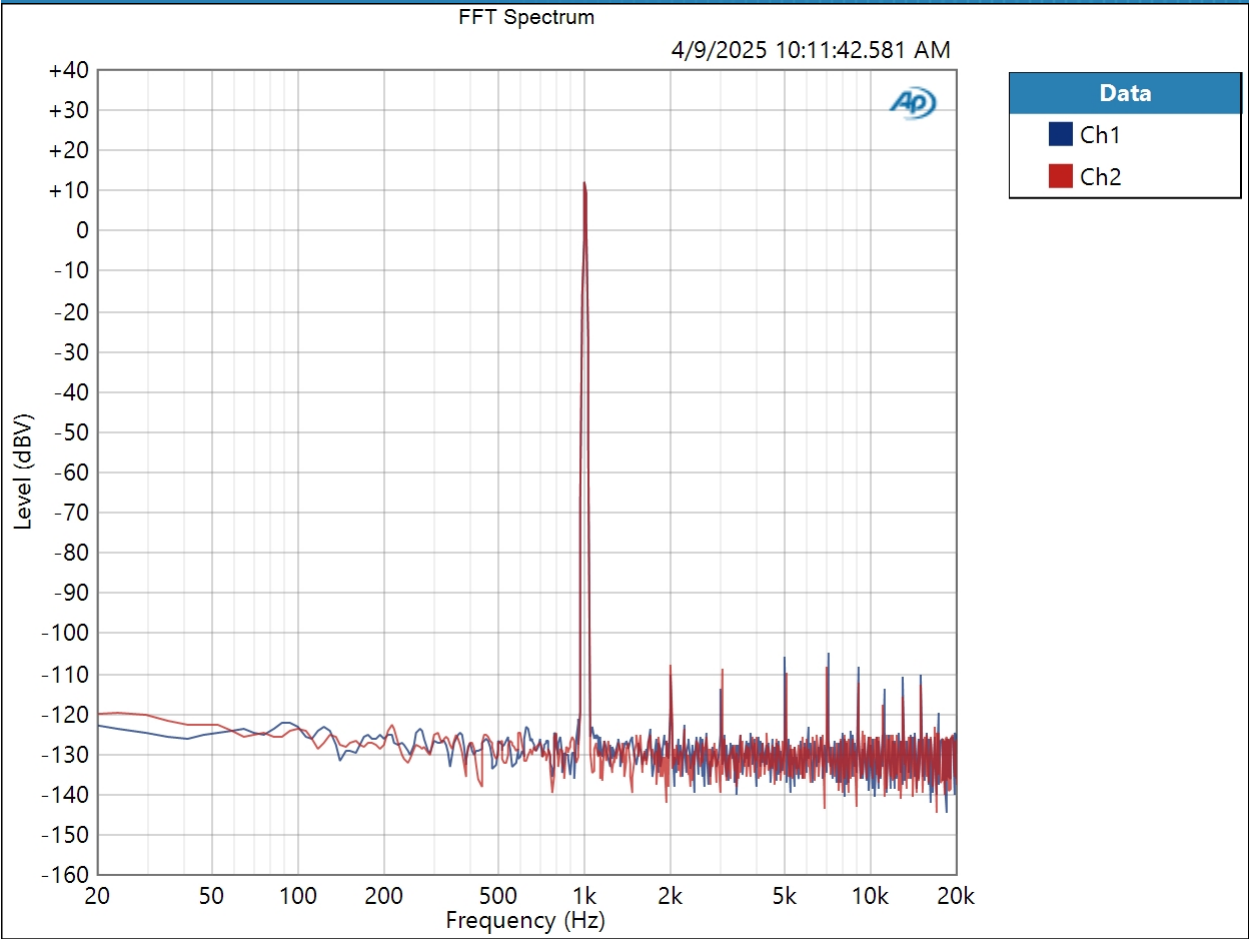
DC Level (4/9/2025 10:11:37.872 AM)

Ch1 1.931 mV
Ch2 96.96 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 4/9/2025 10:11:42 AM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 1.000 s
Input Bandwidth: Use Signal Path
FFT Length: 32768
Averaging: Power
Averages: 3
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (4/9/2025 10:11:42.581 AM)



Result: PASSED

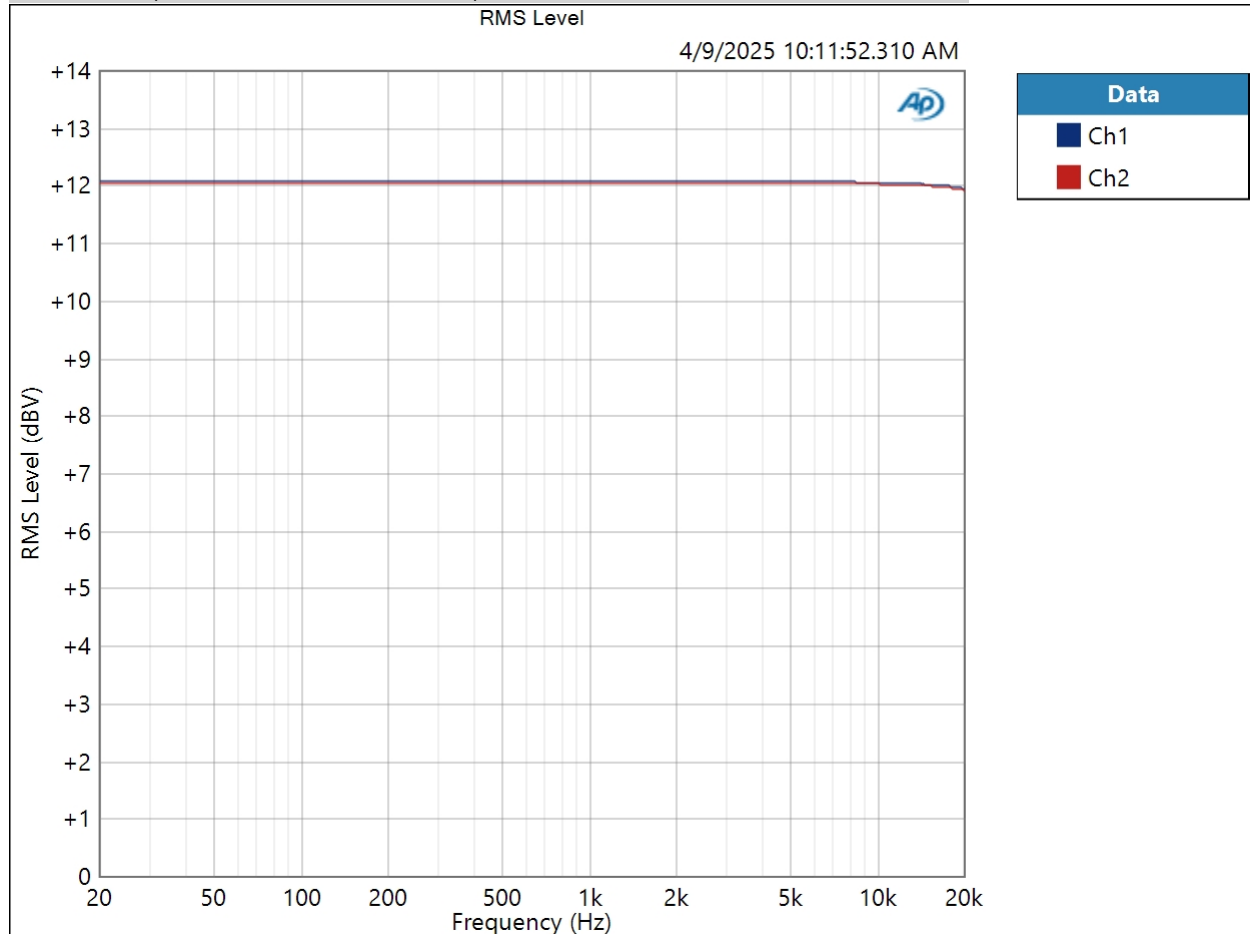
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Balanced : Frequency Response

Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
EQ: None
Pre-Sweep: 500.0 ms
Sweep: 600.0 ms
Extend Acquisition By: 3.000 s
Secondary Source: None
Measured 1 4/9/2025 10:11:52 AM

RMS Level (4/9/2025 10:11:52.310 AM)

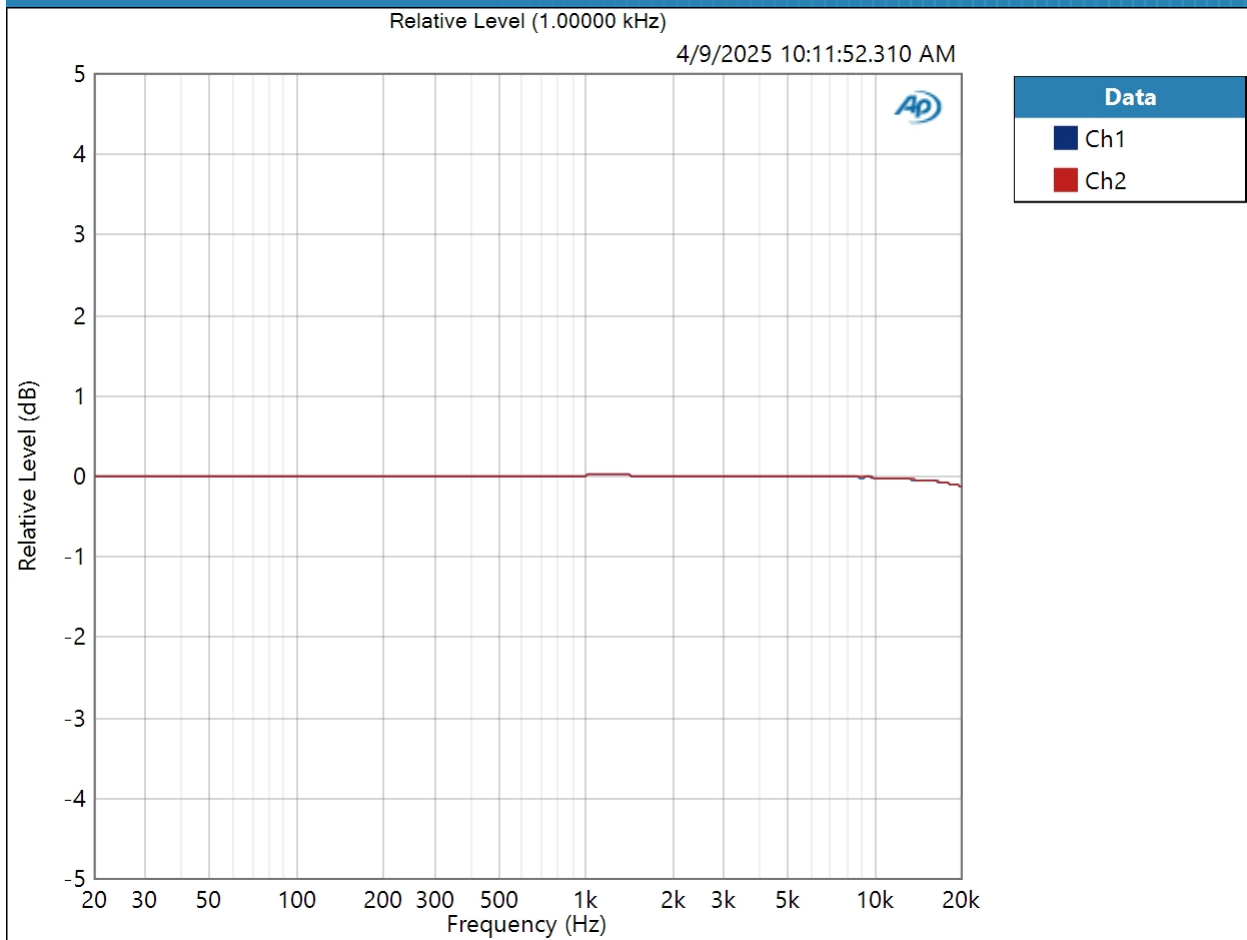


Result: PASSED

Relative Level (1.00000 kHz) (4/9/2025 10:11:52.310 AM)

4/9/2025 10:36 AM

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Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (4/9/2025 10:11:52.310 AM)

Ch1 ± 0.078 dB

Ch2 ± 0.075 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 (4/9/2025 10:11:58.244 AM)

Ch1 116.484 dB
Ch2 116.025 dB

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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: Signal Path
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (4/9/2025 10:12:00.526 AM)

Ch1 0.000413 %

Ch2 0.000367 %

THD Ratio (4/9/2025 10:12:00.526 AM)

Ch1 0.000285 %

Ch2 0.000214 %

Noise Ratio (4/9/2025 10:12:00.526 AM)

Ch1 0.000296 %

Ch2 0.000297 %

Distortion Product Ratio (4/9/2025 10:12:00.526 AM)

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	-121.56	-125.99	-138.46	-116.57	-136.41	-116.56	-135.34	-119.59	-143.45
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-119.88	-121.13	-137.11	-121.97	-144.37	-119.98	-140.71	-124.46	-140.70

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

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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

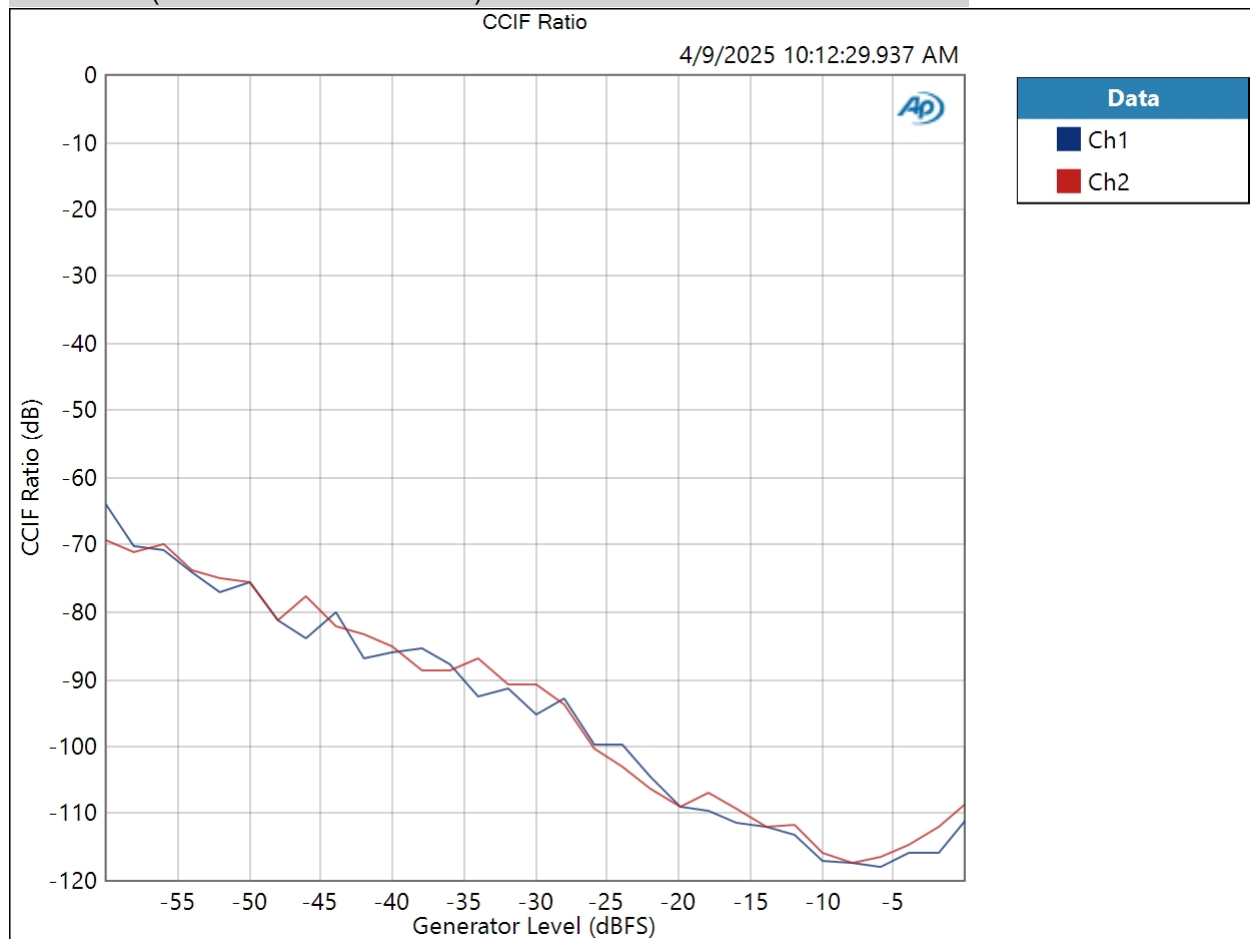
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 4/9/2025 10:12:29 AM

CCIF Ratio (4/9/2025 10:12:29.937 AM)



Result:  PASSED

Schiit APx Report for Mimir



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

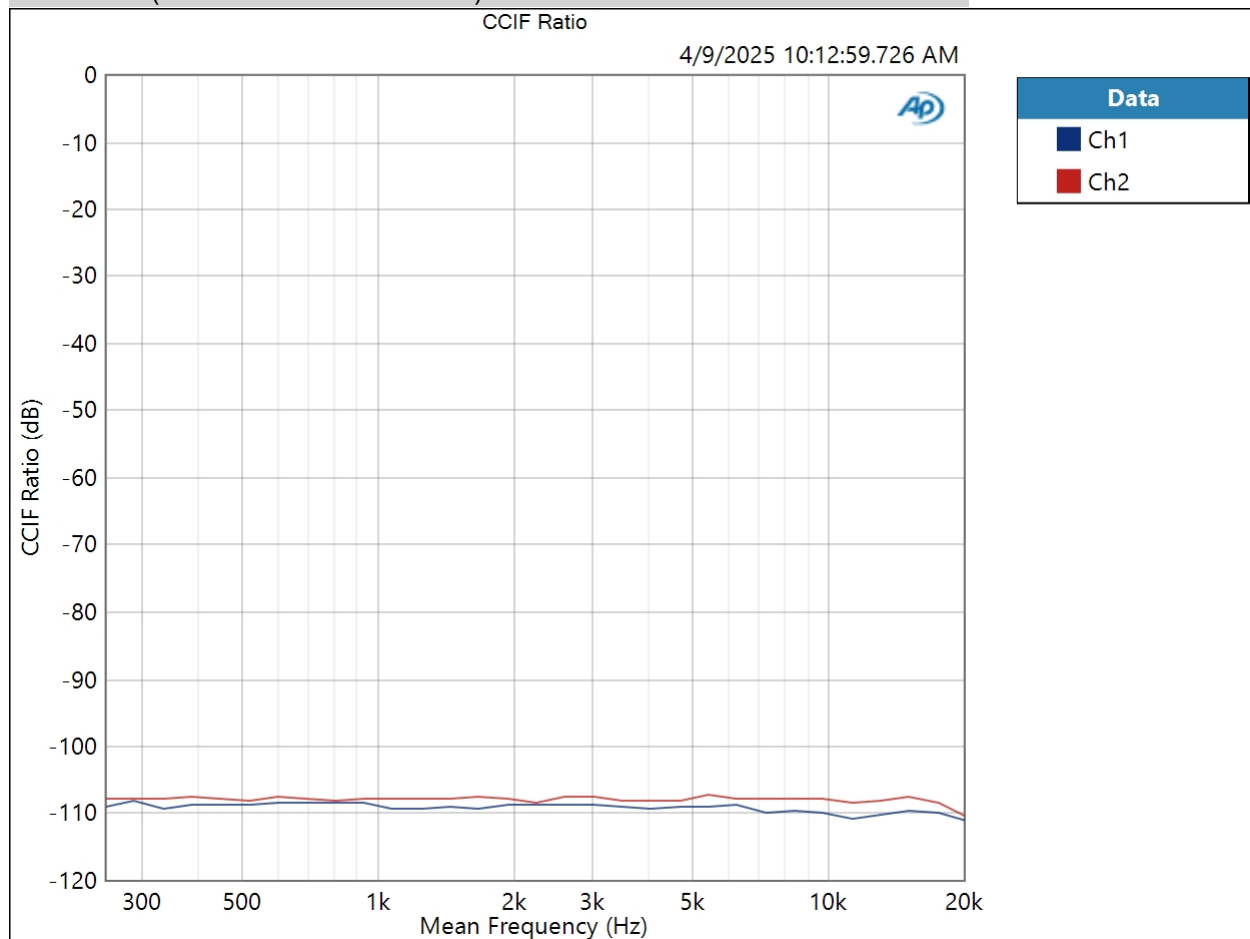
Step Type: Logarithmic

Number of Points: 31

Mode: d2+d3

Measured 1 4/9/2025 10:12:59 AM

CCIF Ratio (4/9/2025 10:12:59.726 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 (4/9/2025 10:13:04.807 AM)

Ch1 -126.914 dB

Ch2 -133.934 dB

Schiit APx Report for Mimir



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

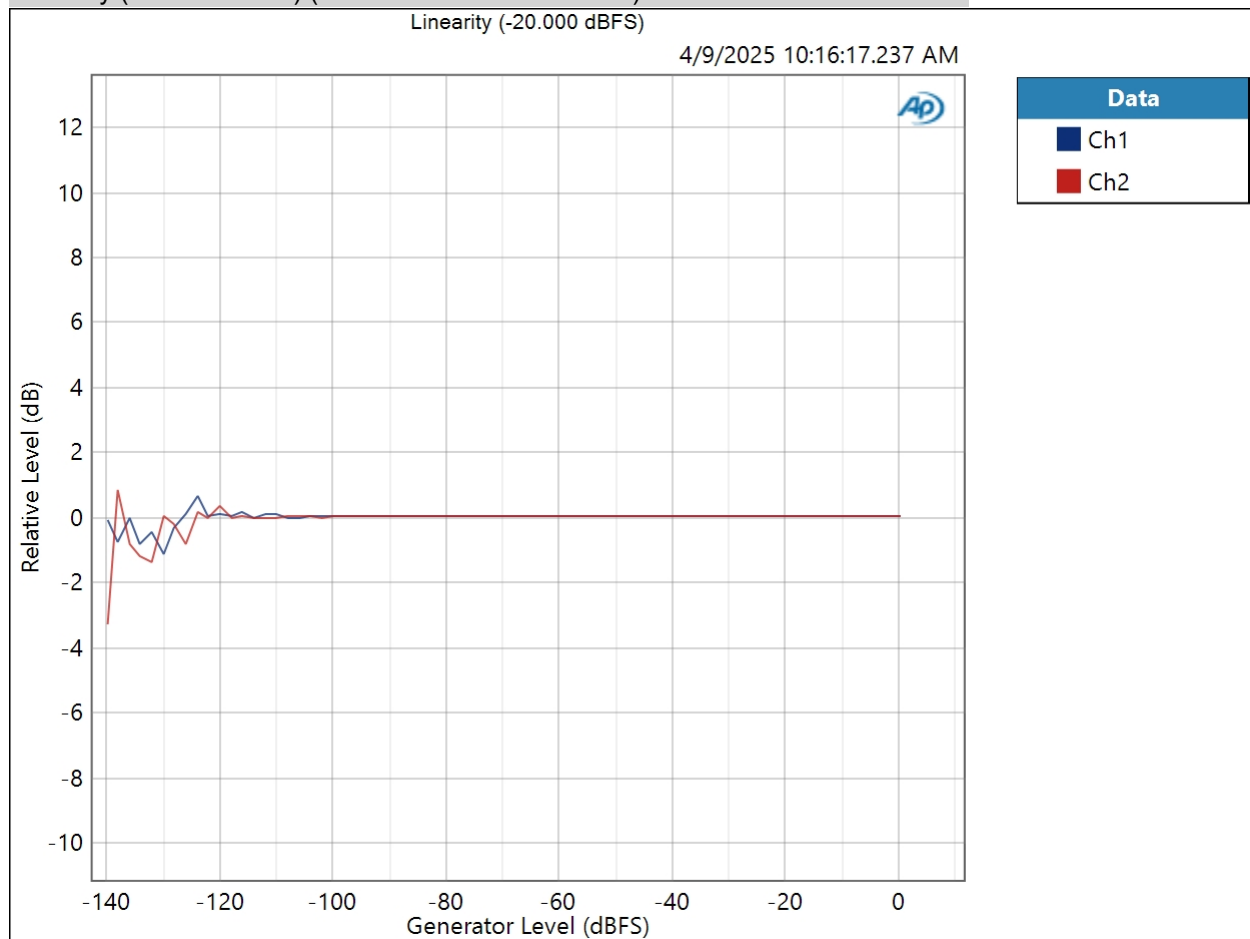
Offset: 0.000 D

Selectivity: Window width

Bandpass Tuning Mode: Generator Frequency

Measured 1 4/9/2025 10:16:17 AM

Linearity (-20.000 dBFS) (4/9/2025 10:16:17.237 AM)



Linearity (-20.000 dBFS) Parameters

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Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result: PASSED

SE : Verify Connections

Waveform: Sine

Generator Level: -20.000 dBFS

DC Offset: 0.000 D

Frequency: 1.00000 kHz

RMS Level (4/9/2025 10:23:05.317 AM)

Ch1 198.5 mVrms

Ch2 197.9 mVrms

Gain (4/9/2025 10:23:05.317 AM)

Ch1 2.002 Vrms/FS

Ch2 1.997 Vrms/FS

THD+N Ratio (4/9/2025 10:23:05.317 AM)

Ch1 87189.879240
%

Ch2 77030.013154
%

Frequency (4/9/2025 10:23:05.317 AM)

Ch1 1.00000 kHz

Ch2 1.00000 kHz

SE : Signal Path Setup

Output Connector: ASIO
 Asio Device: ASIO2WASAPI
 Scaling Mode: Digital
 Output Sample Rate: 48.0000 kHz
 Output Latency: Auto
 Buffer Size: 4800
 Clock Source: Internal clock
 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) - 22.4k (48 kHz SR)
 Input EQ: None
 Termination: 100 kohm
 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.

SE : 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 (4/9/2025 10:17:21.267 AM)

Ch1 2.002 Vrms
Ch2 1.997 Vrms

SE : 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

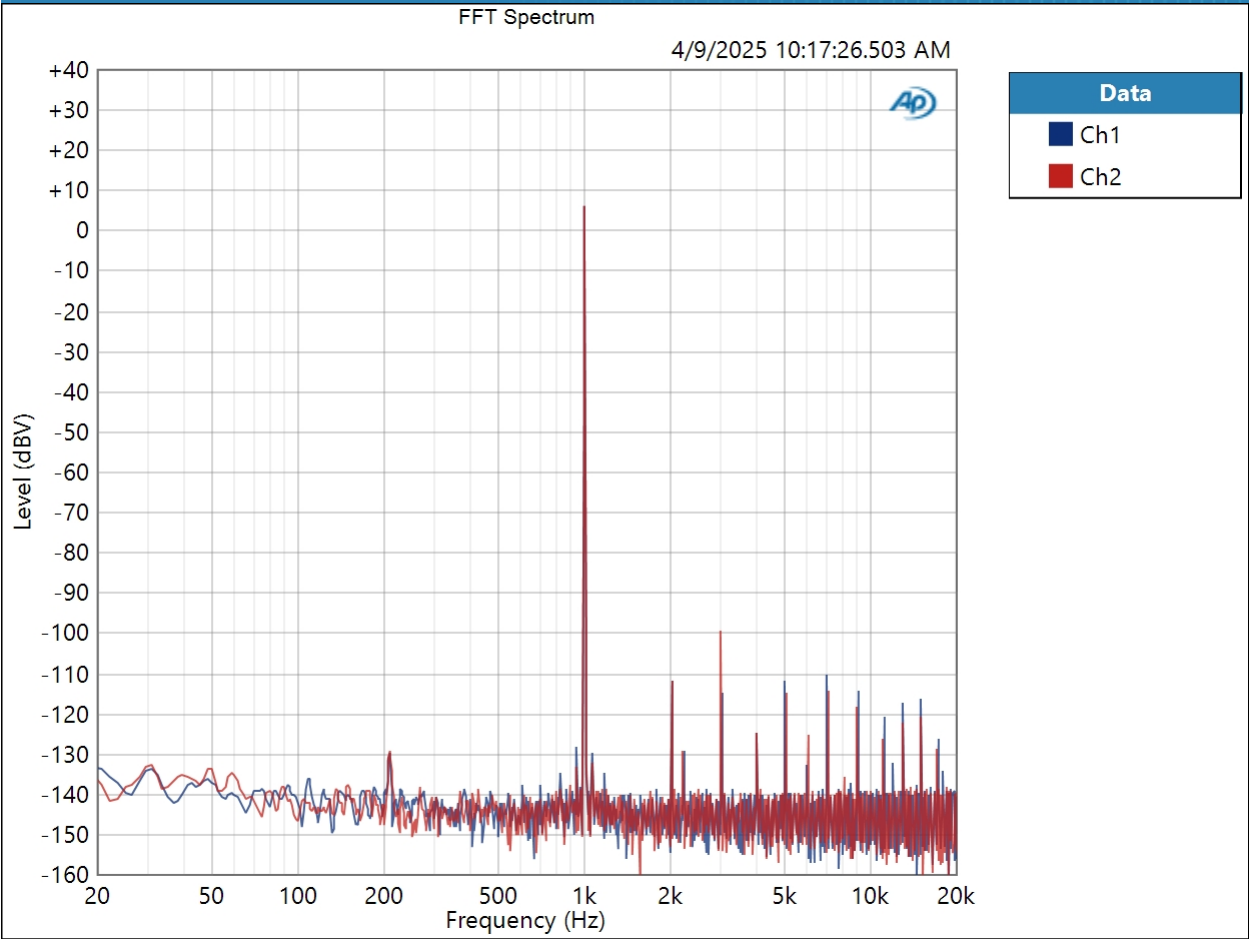
DC Level (4/9/2025 10:17:22.437 AM)

Ch1 -496.1 μ V
Ch2 -0.930 mV

SE : Signal Analyzer

Waveform: Sine
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 Secondary Source: None
 Measured 1 4/9/2025 10:17:26 AM
 Acquisition Type: Auto
 Trigger: Free Run
 Delay Time: 250.0 ms
 Input Bandwidth: Use Signal Path
 FFT Length: 32768
 Averaging: Power
 Averages: 3
 Window: AP-Equiripple
 Record Acquisition: False
 Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (4/9/2025 10:17:26.503 AM)



Result: PASSED

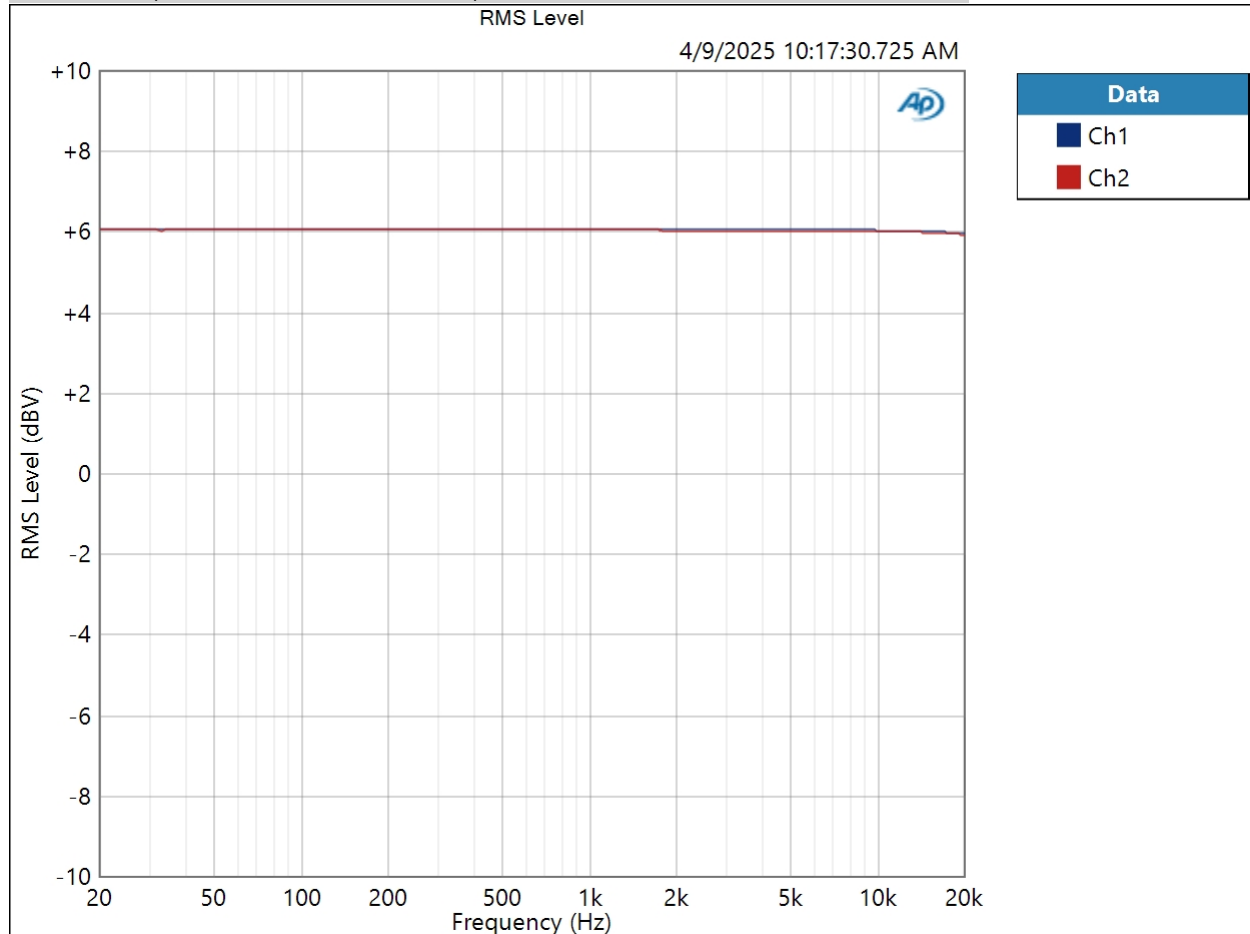
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SE : Frequency Response

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 4/9/2025 10:17:30 AM

RMS Level (4/9/2025 10:17:30.725 AM)

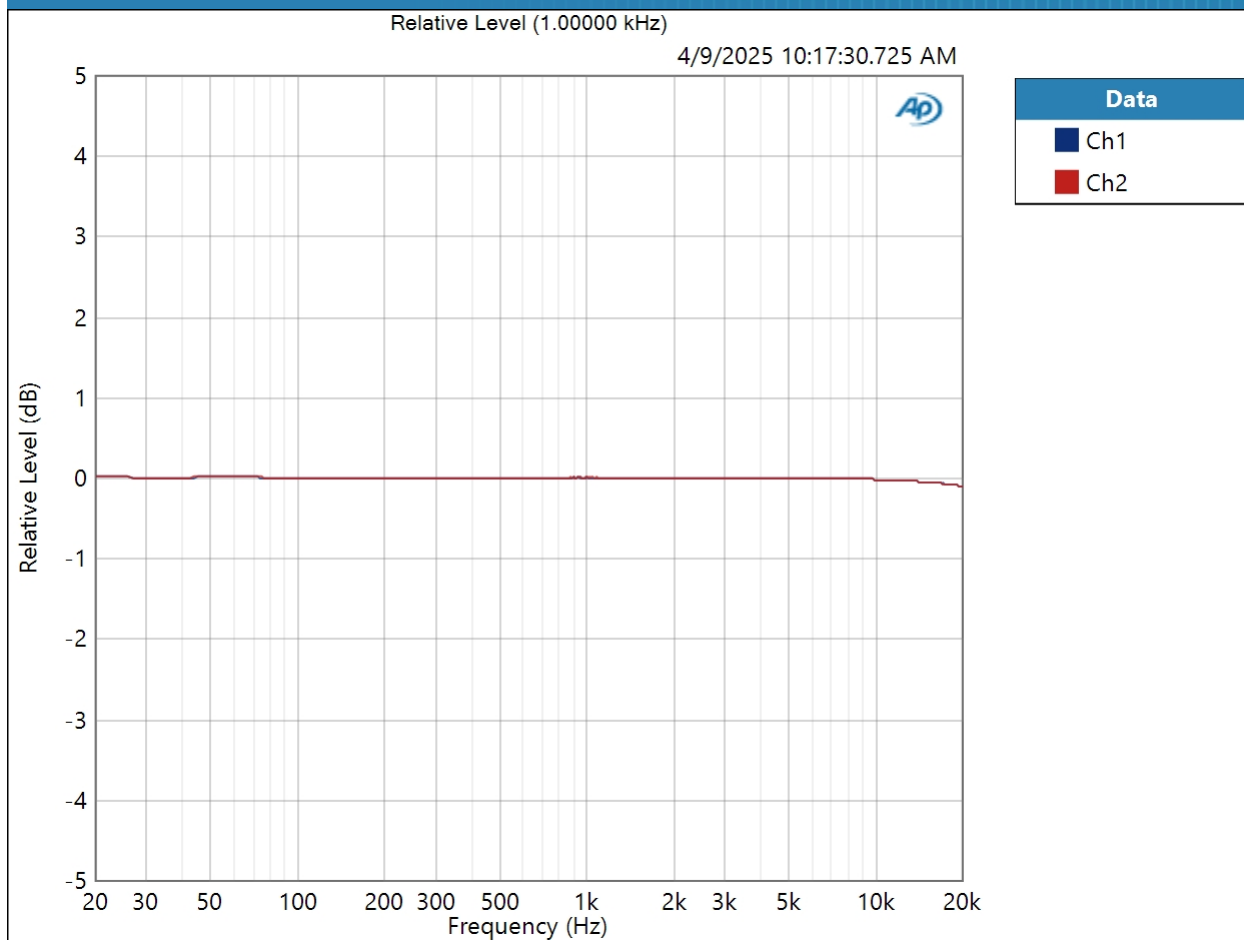


Result: PASSED

Relative Level (1.00000 kHz) (4/9/2025 10:17:30.725 AM)

4/9/2025 10:36 AM

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Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (4/9/2025 10:17:30.725 AM)

Ch1 ± 0.062 dB

Ch2 ± 0.062 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

Schiit APx Report for Mimir



SE : 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 (4/9/2025 10:17:33.017 AM)

Ch1 116.922 dB
Ch2 116.840 dB

SE : 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: Signal Path
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (4/9/2025 10:17:35.786 AM)

Ch1 0.000371 %

Ch2 0.000605 %

THD Ratio (4/9/2025 10:17:35.786 AM)

Ch1 0.000301 %

Ch2 0.000572 %

Noise Ratio (4/9/2025 10:17:35.786 AM)

Ch1 0.000214 %

Ch2 0.000211 %

Distortion Product Ratio (4/9/2025 10:17:35.786 AM)

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	-117.65	-120.82	-129.68	-117.83	-137.57	-116.13	-143.77	-120.00	-137.73
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-117.68	-105.53	-133.62	-120.94	-130.47	-119.78	-141.54	-122.93	-147.89

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

Schiit APx Report for Mimir



SE : 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

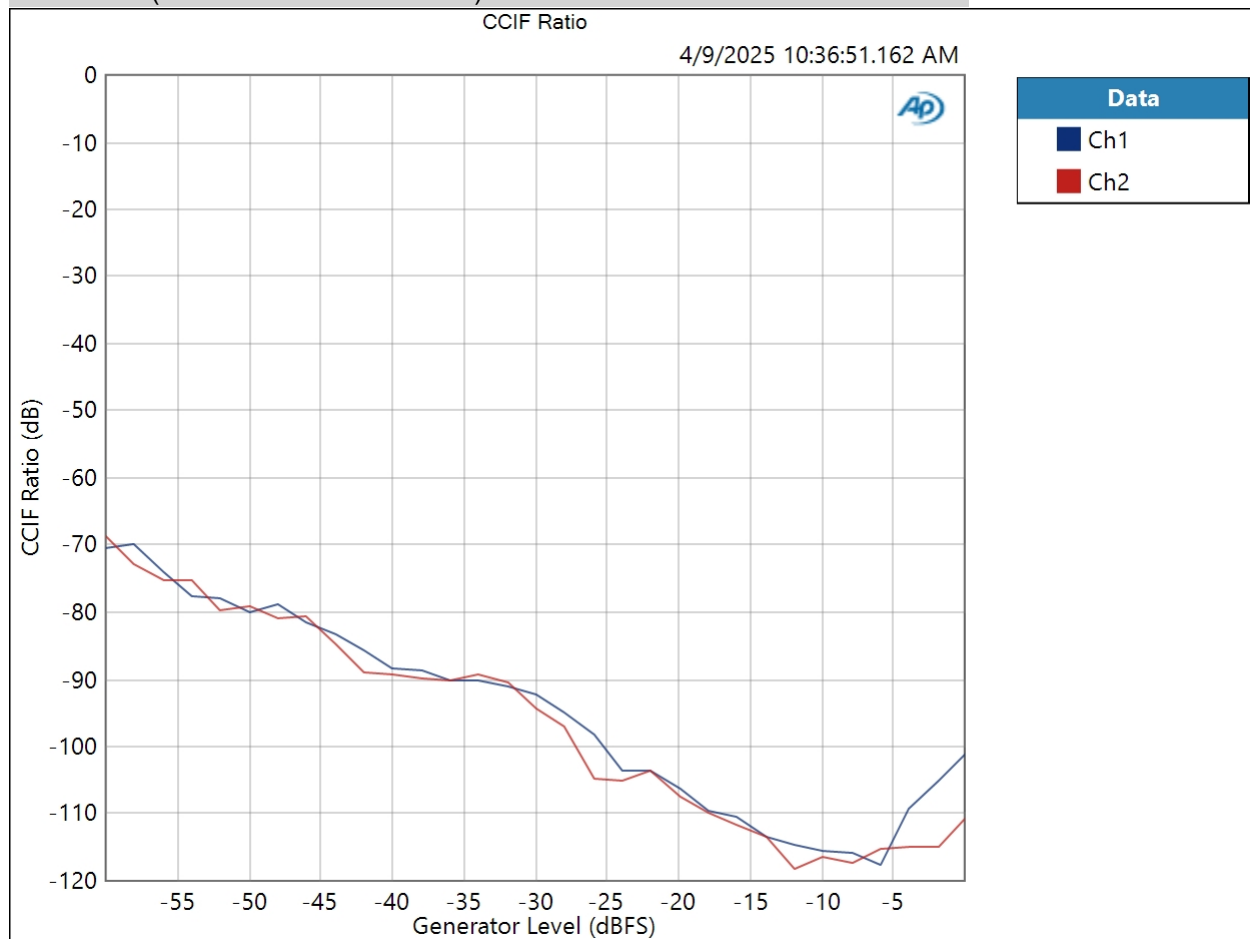
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 4/9/2025 10:36:51 AM

CCIF Ratio (4/9/2025 10:36:51.162 AM)



Result:  PASSED

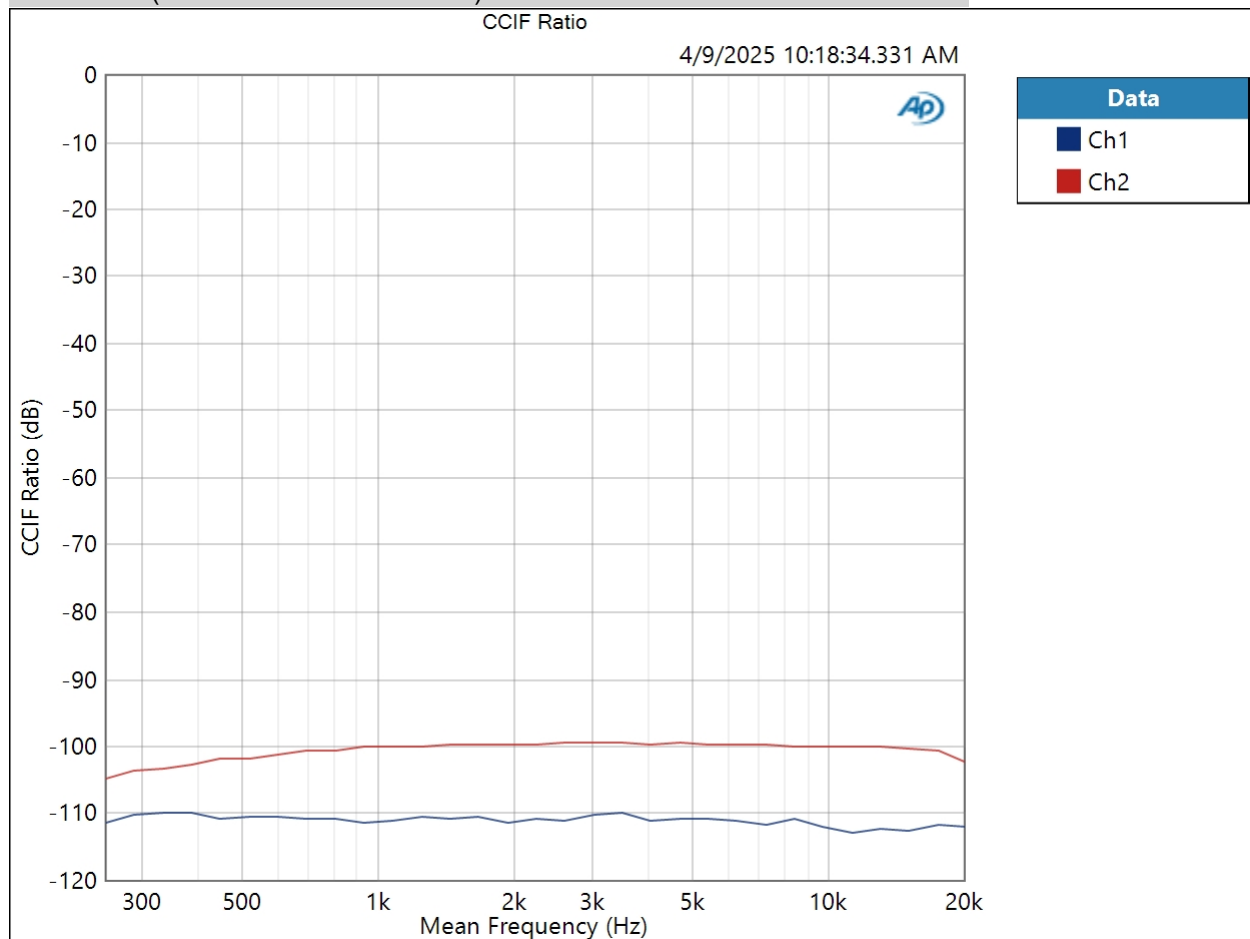
Schiit APx Report for Mimir



SE : 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 4/9/2025 10:18:34 AM

CCIF Ratio (4/9/2025 10:18:34.331 AM)



Result:  PASSED

SE : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Frequency: 10.0000 kHz

Crosstalk (4/9/2025 10:18:39.389 AM)

Ch1 -132.615 dB

Ch2 -136.558 dB

Schiit APx Report for Mimir



SE : Crosstalk Sweep, One Channel Driven

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Start Frequency: 20.0000 kHz

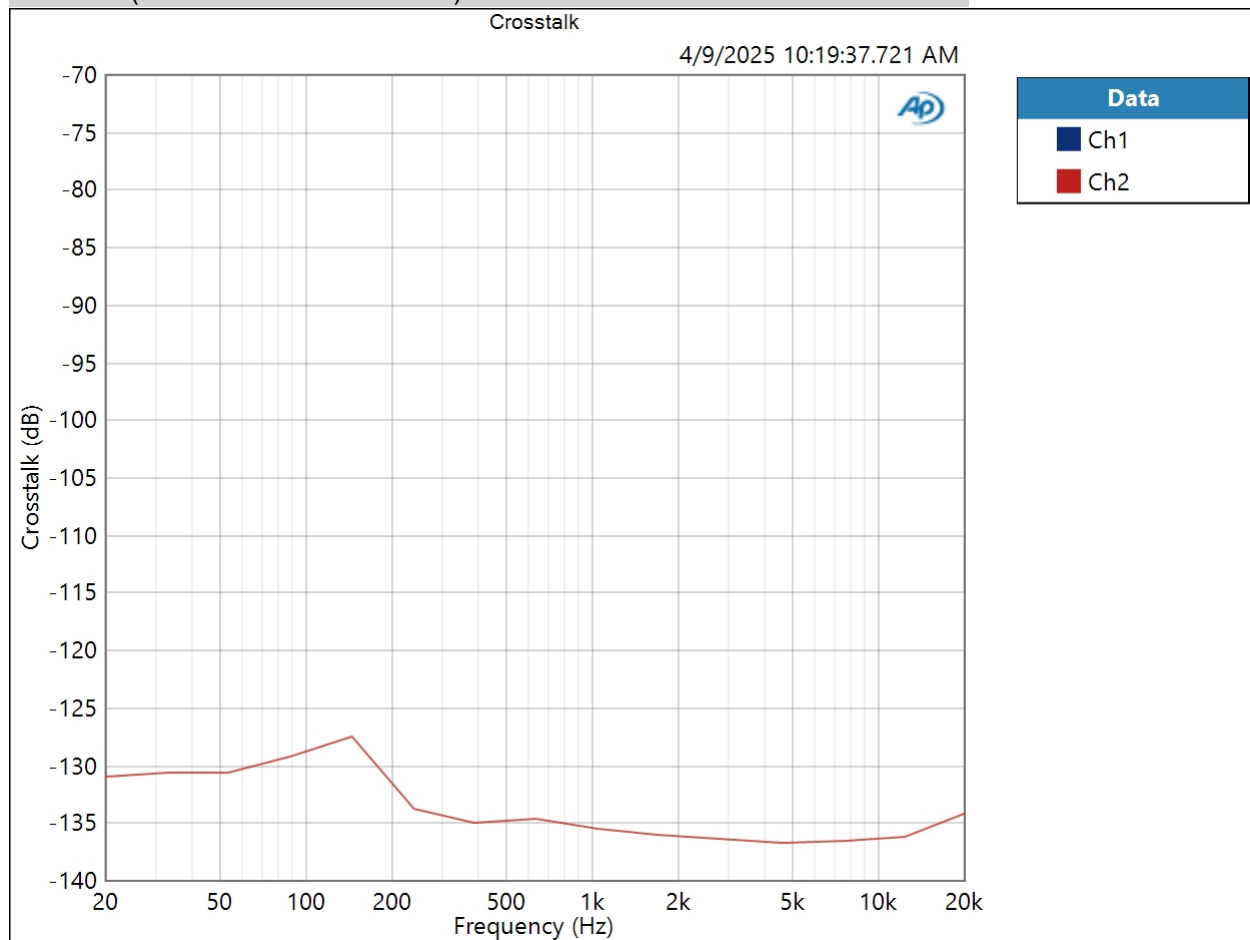
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 15

Measured 1 4/9/2025 10:19:37 AM

Crosstalk (4/9/2025 10:19:37.721 AM)



Crosstalk Parameters

Source: Ch1

Result: PASSED

4/9/2025 10:36 AM

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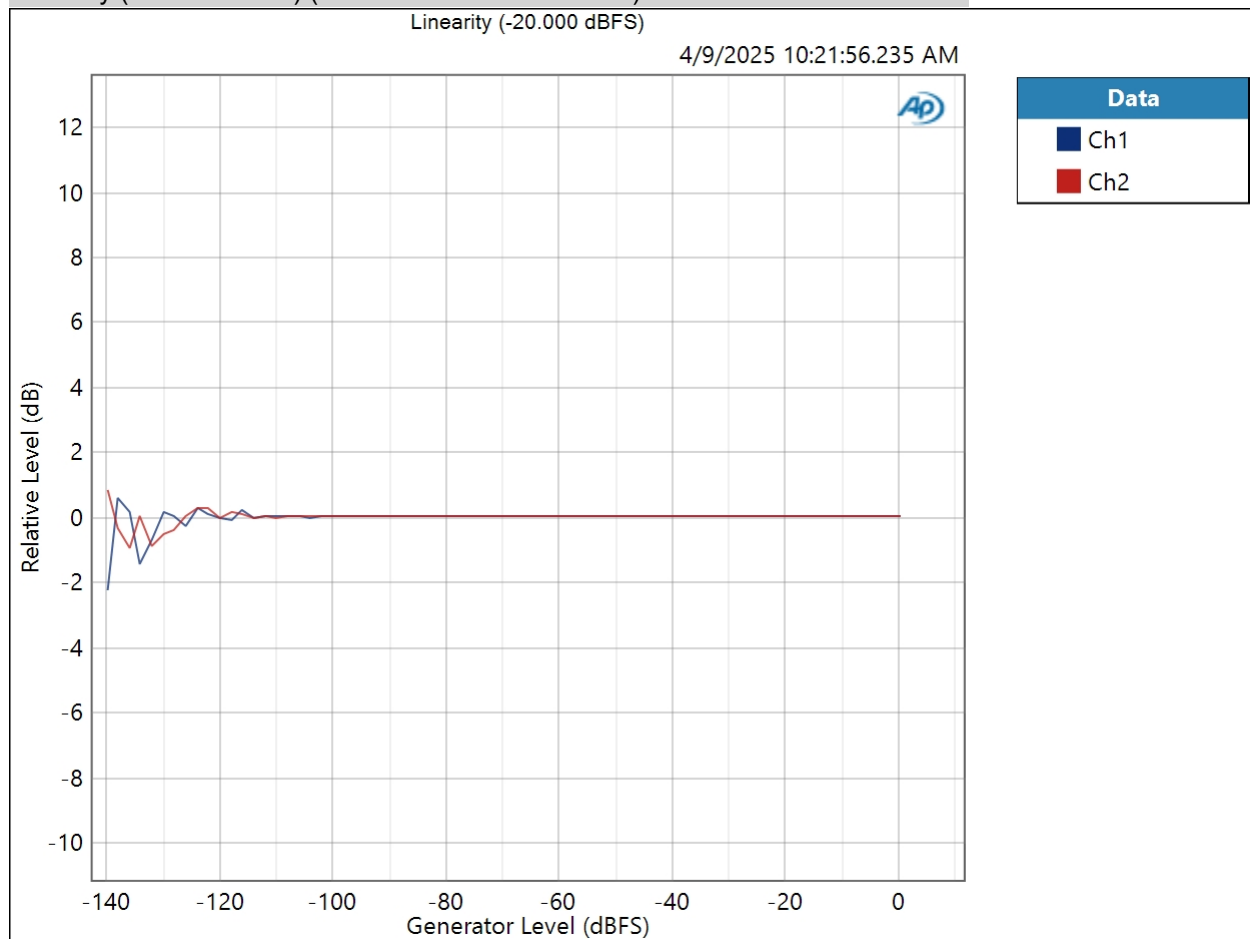
Schiit APx Report for Mimir



SE : 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 4/9/2025 10:21:56 AM

Linearity (-20.000 dBFS) (4/9/2025 10:21:56.235 AM)



Linearity (-20.000 dBFS) Parameters

Schiit APx Report for Mimir



Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result:  PASSED

Optical : 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
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) - 22.4k (48 kHz SR)
Input EQ:	None
Termination:	100 kohm
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.

