

APx Report--Mesh DAC Card



Notes:

This is a test of a representative sample. If you have measurements that differ significantly from these, first check your analyzer and setup carefully, and (ideally) see if you can replicate the results on another analyzer. If the odd results persist, contact info@schitt.com so we can have a look.

Summary

Mesh DAC

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
Stepped Level Sweep	✓ PASSED

Sequence Result:

Sequence Result: ✓ PASSED

APx Instrument

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

Mesh DAC : Signal Path Setup

Output Connector: ASIO
 Asio Device: ASIO4ALL v2
 Scaling Mode: Digital
 Output Sample Rate: 44.1000 kHz
 Output Latency: Auto
 Buffer Size: 512
 Clock Source: Big Ben
 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: 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
 dBSPL1: 10.00 mVrms
 dBSPL2: 10.00 mVrms
 dBSPL1 Calibrator Level: 94.000 dBSPL
 dBSPL2 Calibrator Level: 94.000 dBSPL
 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

APx Report--Mesh DAC Card



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

Mesh DAC : 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 (6/9/2025 1:25:27.041 PM)

Ch1 4.100 Vrms
Ch2 4.103 Vrms

Mesh DAC : 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 (6/9/2025 1:25:28.191 PM)

Ch1 1.866 mV
Ch2 1.050 mV

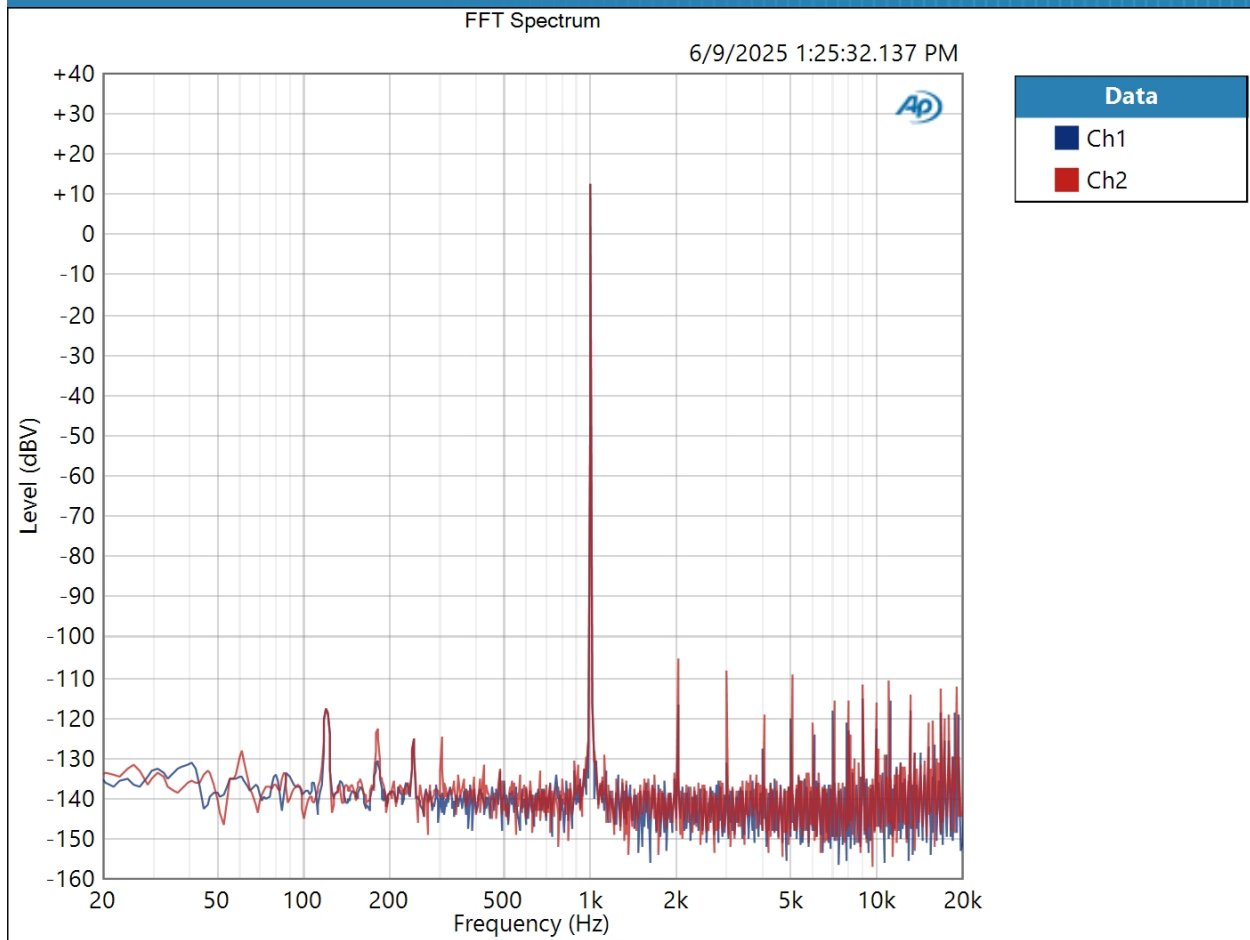
APx Report--Mesh DAC Card



Mesh DAC : Signal Analyzer

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 6/9/2025 1:25:32 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 (6/9/2025 1:25:32.137 PM)



Result: PASSED

APx Report--Mesh DAC Card

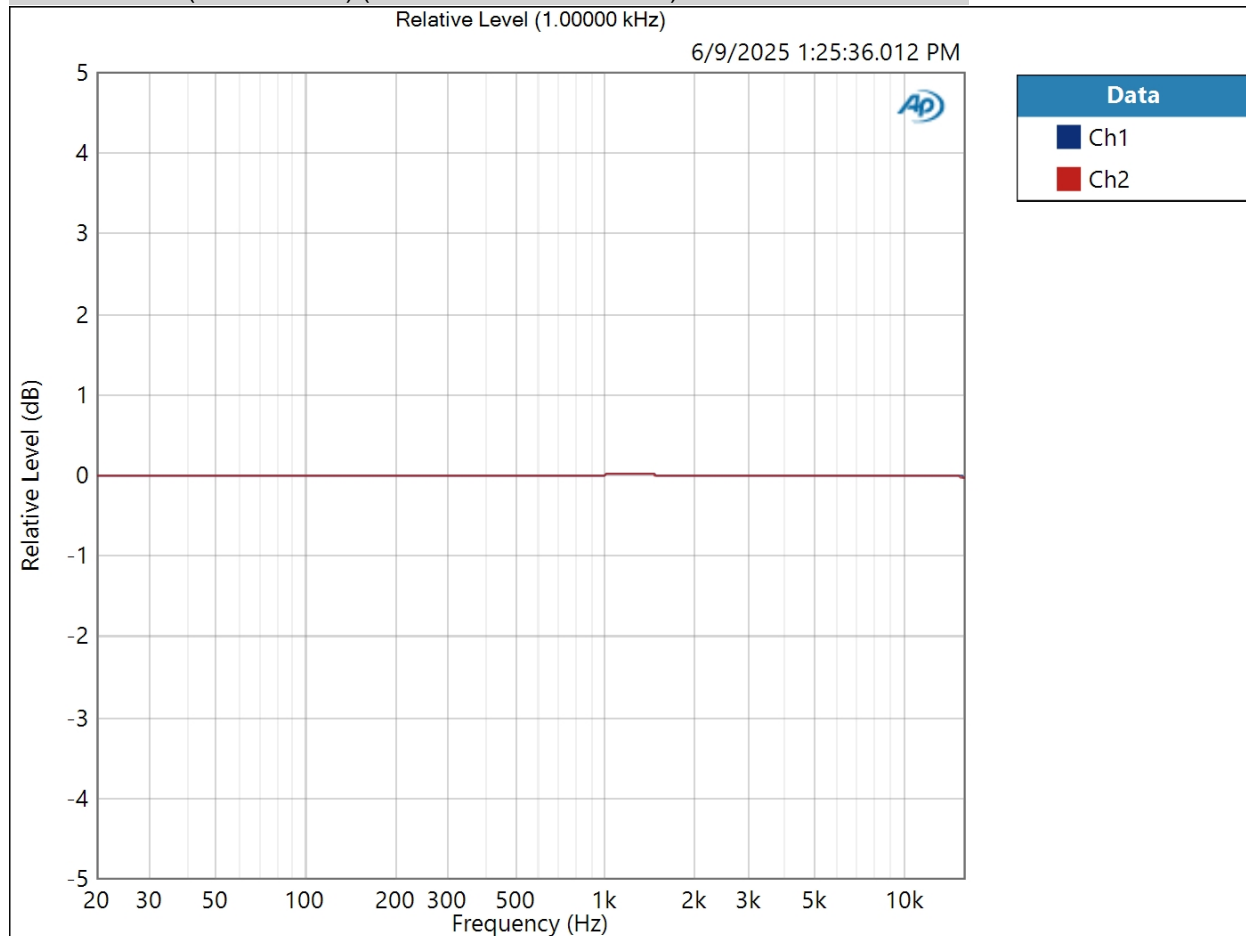


Mesh DAC : Frequency Response

Start Frequency: 20.0000 Hz
Stop Frequency: 16.0000 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 6/9/2025 1:25:36 PM

Relative Level (1.00000 kHz) (6/9/2025 1:25:36.012 PM)



Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

APx Report--Mesh DAC Card



Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 16.0000 kHz) (6/9/2025 1:25:36.012 PM)

Ch1 ± 0.014 dB

Ch2 ± 0.014 dB

Deviation (20.0000 Hz - 16.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 16.0000 kHz

Mesh DAC : 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: A-wt.

Signal to Noise Ratio (6/9/2025 1:25:38.006 PM)

Ch1 122.828 dB

Ch2 122.738 dB

APx Report--Mesh DAC Card



Mesh DAC : 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 (6/9/2025 1:25:40.617 PM)

Ch1 0.000216 %

Ch2 0.000345 %

THD Ratio (6/9/2025 1:25:40.617 PM)

Ch1 0.000106 %

Ch2 0.000241 %

Noise Ratio (6/9/2025 1:25:40.617 PM)

Ch1 0.000190 %

Ch2 0.000254 %

Distortion Product Ratio (6/9/2025 1:25:40.617 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	-129.96	-139.55	-139.33	-132.17	-136.93	-128.86	-131.56	-127.16	-137.06
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-117.20	-120.39	-129.69	-121.40	-135.35	-124.86	-134.39	-122.89	-137.29

Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1

APx Report--Mesh DAC Card



Mesh DAC : 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

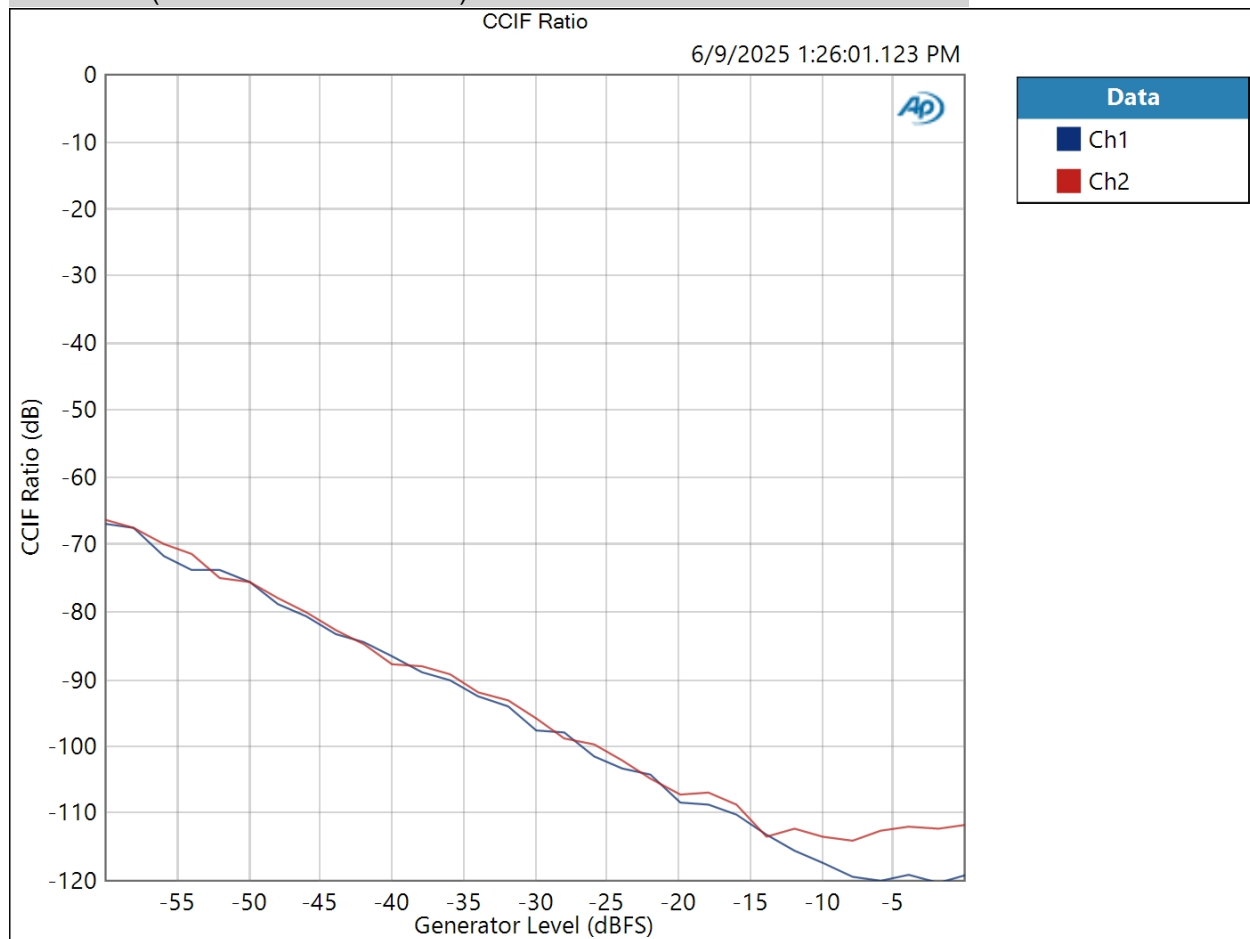
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2

Measured 1 6/9/2025 1:26:01 PM

CCIF Ratio (6/9/2025 1:26:01.123 PM)



Result:  PASSED

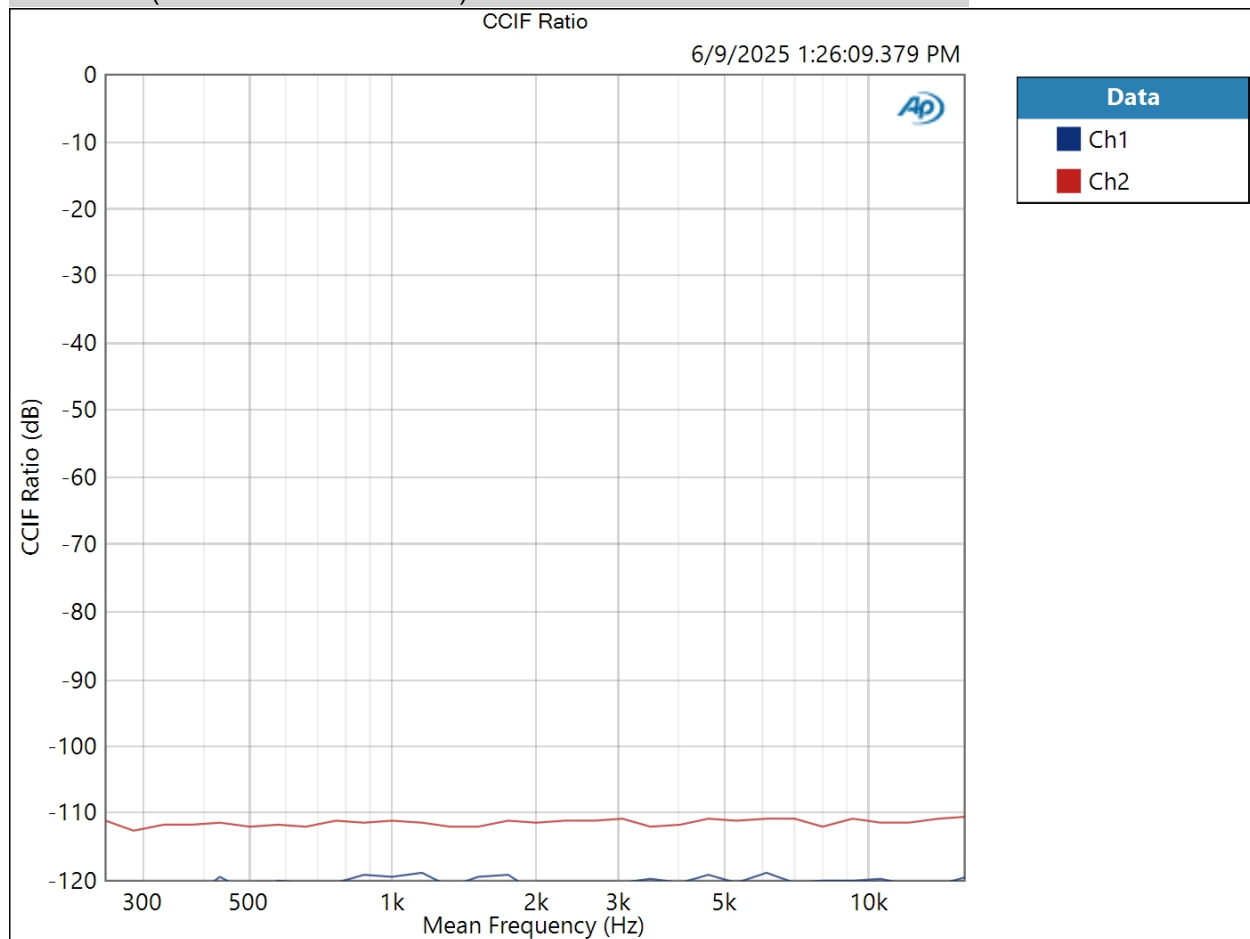
APx Report--Mesh DAC Card



Mesh DAC : 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: 15.9680 kHz
Stop Frequency: 250.000 Hz
Step Type: Logarithmic
Number of Points: 31
Mode: d2
Measured 1 6/9/2025 1:26:09 PM

CCIF Ratio (6/9/2025 1:26:09.379 PM)



Result:  PASSED

Mesh DAC : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: -0.000 dBFS

DC Offset: 0.000 D

Frequency: 10.0000 kHz

Crosstalk (6/9/2025 1:26:16.344 PM)

Ch1 125.116 dB

Ch2 128.417 dB

APx Report--Mesh DAC Card



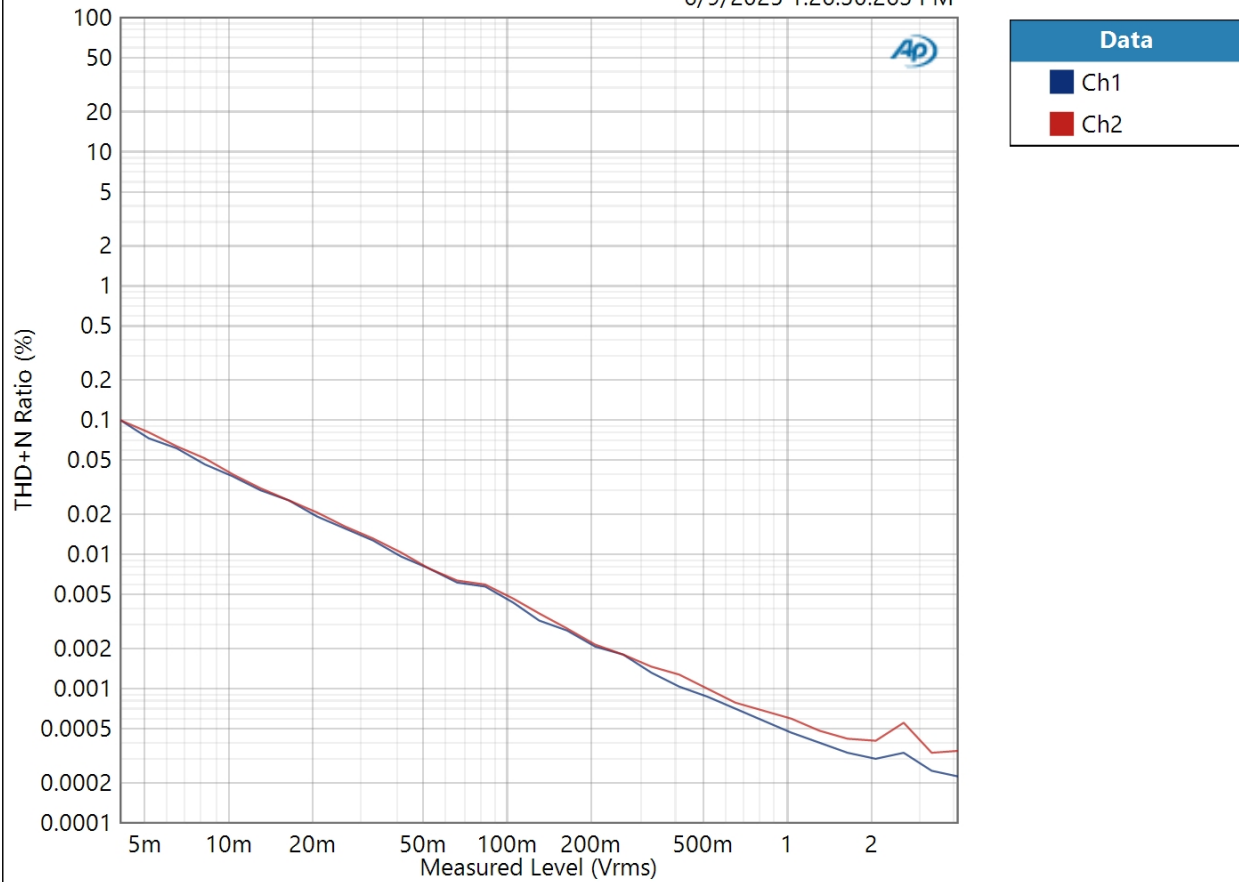
Mesh DAC : Stepped Level Sweep

Waveform: Sine
Frequency: 1.00000 kHz
Start Level: -60.000 dBFS
Stop Level: -0.000 dBFS
Step Type: Linear
Number of Points: 31
Step Size: +2.000 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 6/9/2025 1:26:30 PM

THD+N Ratio vs Measured Level (6/9/2025 1:26:30.263 PM)

THD+N Ratio vs Measured Level

6/9/2025 1:26:30.263 PM



Result: PASSED