Schiit APx Test Suite: Vestri

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@schiit.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
Stepped Level Sweep	PASSED

SE	
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

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:	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:	300 ohm
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
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

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 (5/8/2026 12:51:22.801 PM)

Ch1 6.156 Vrms
Ch2 6.147 Vrms

Balanced : DC Level

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

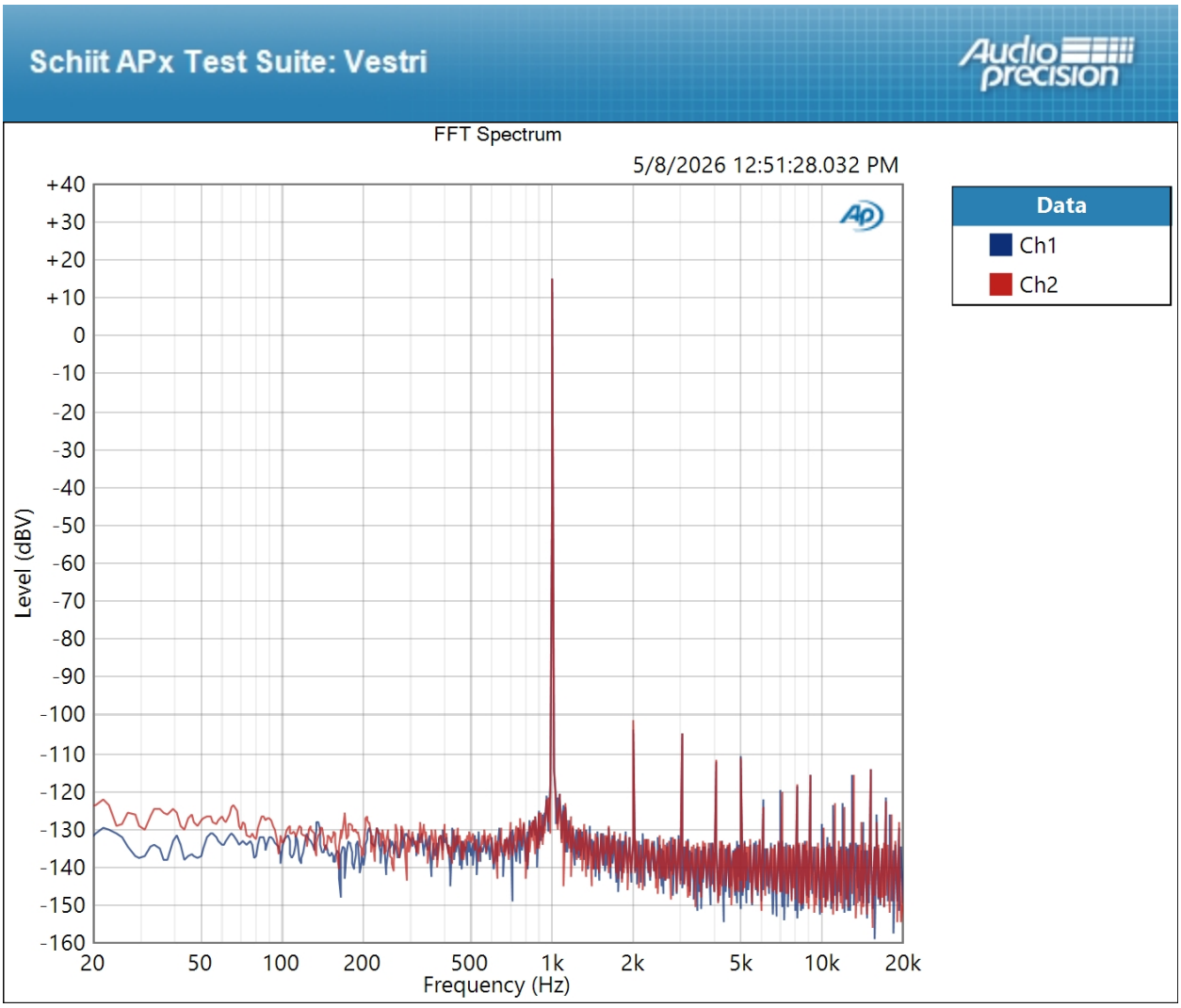
DC Level (5/8/2026 12:51:24.008 PM)

Ch1 -596.4 uV
Ch2 -1.824 mV

Balanced : Signal Analyzer

Waveform:	Sine
Generator Level:	-1.000 dBFS
DC Offset:	0.000 D
Frequency:	1.00000 kHz
Secondary Source:	None
Measured 1	5/8/2026 12:51:28 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 (5/8/2026 12:51:28.032 PM)

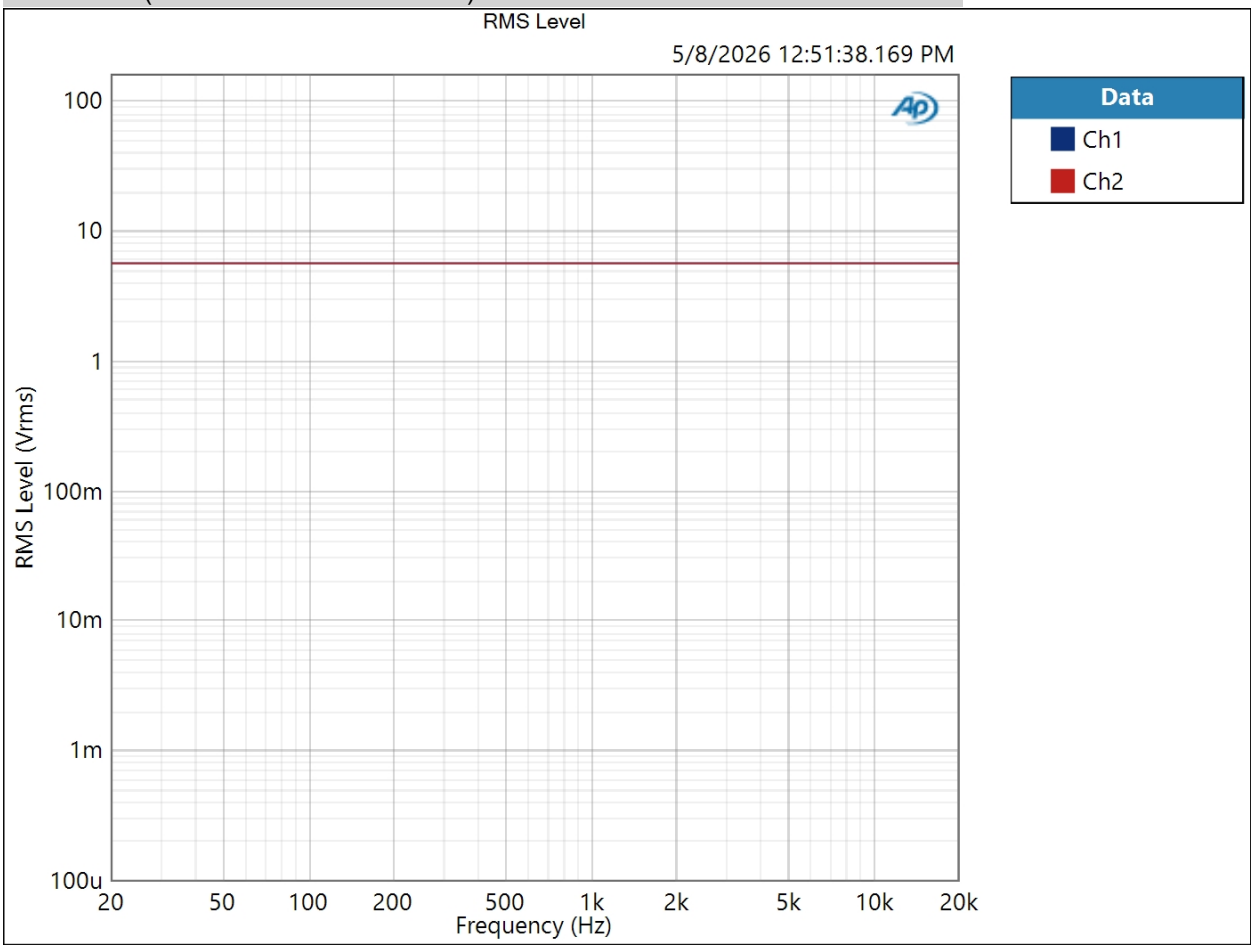


Result: PASSED

Balanced : Frequency Response

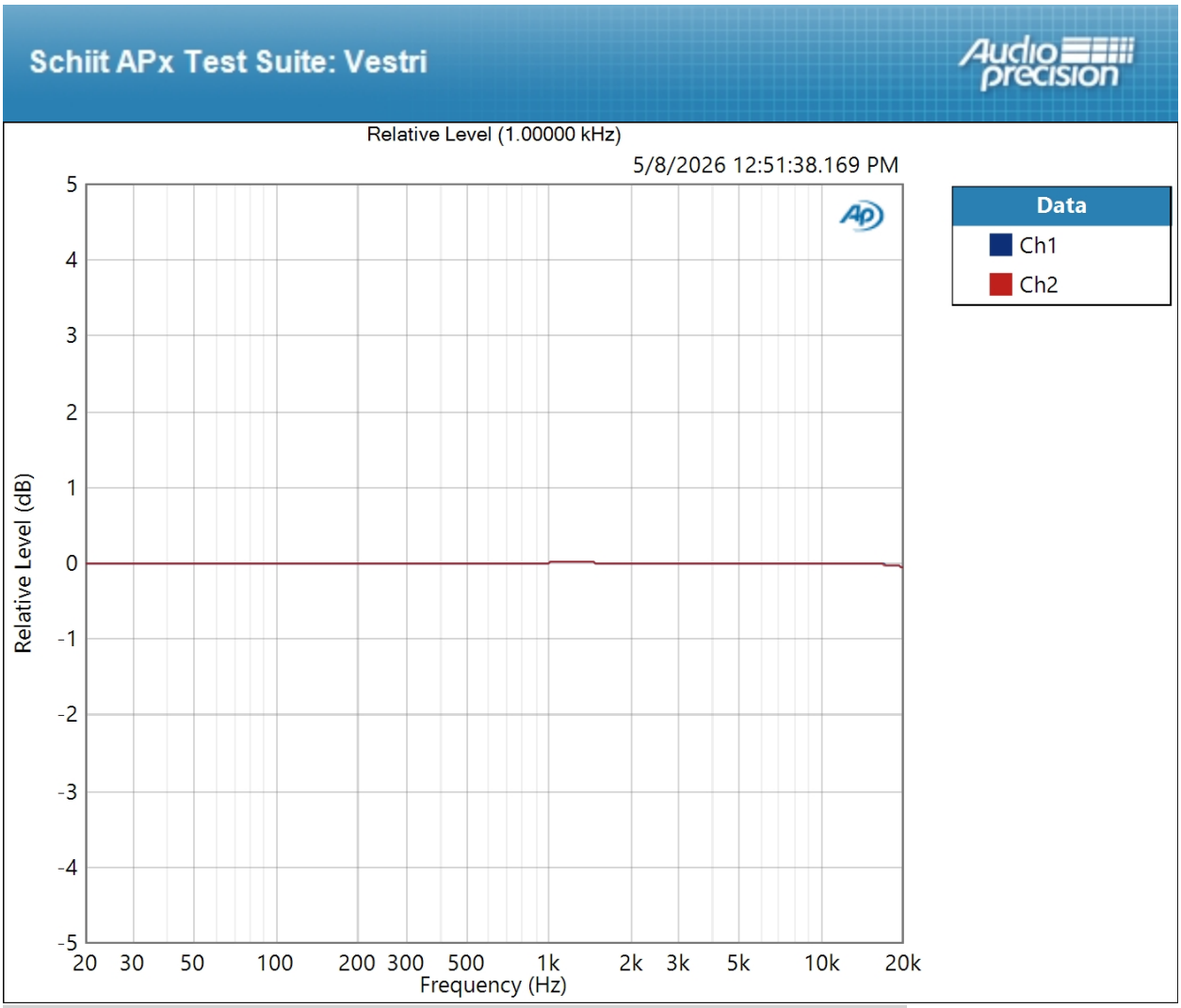
Start Frequency:	20.0000 Hz
Stop Frequency:	20.0000 kHz
Generator Level:	-1.000 dBFS
DC Offset:	0.000 D
EQ:	None
Pre-Sweep:	500.0 ms
Sweep:	1.000 s
Extend Acquisition By:	3.000 s
Secondary Source:	None
Measured 1	5/8/2026 12:51:38 PM

RMS Level (5/8/2026 12:51:38.169 PM)



Result: PASSED

Relative Level (1.00000 kHz) (5/8/2026 12:51:38.169 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) (5/8/2026 12:51:38.169 PM)

Ch1 ±0.036 dB

Ch2 ±0.036 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:	-1.000 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 (5/8/2026 12:51:40.342 PM)

Ch1 122.975 dB
Ch2 122.745 dB

Balanced : THD+N

Waveform:	Sine
Generator Level:	-1.000 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 (5/8/2026 12:51:43.387 PM)

Ch1 0.000244 %

Ch2 0.000268 %

THD Ratio (5/8/2026 12:51:43.387 PM)

Ch1 0.000190 %

Ch2 0.000214 %

Noise Ratio (5/8/2026 12:51:43.387 PM)

Ch1 0.000154 %

Ch2 0.000165 %

Distortion Product Ratio (5/8/2026 12:51:43.387 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	-118.31	-119.43	-127.08	-126.57	-138.46	-134.01	-133.15	-130.23	-139.90
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-116.16	-119.49	-127.18	-125.85	-136.25	-135.08	-131.35	-130.88	-141.12

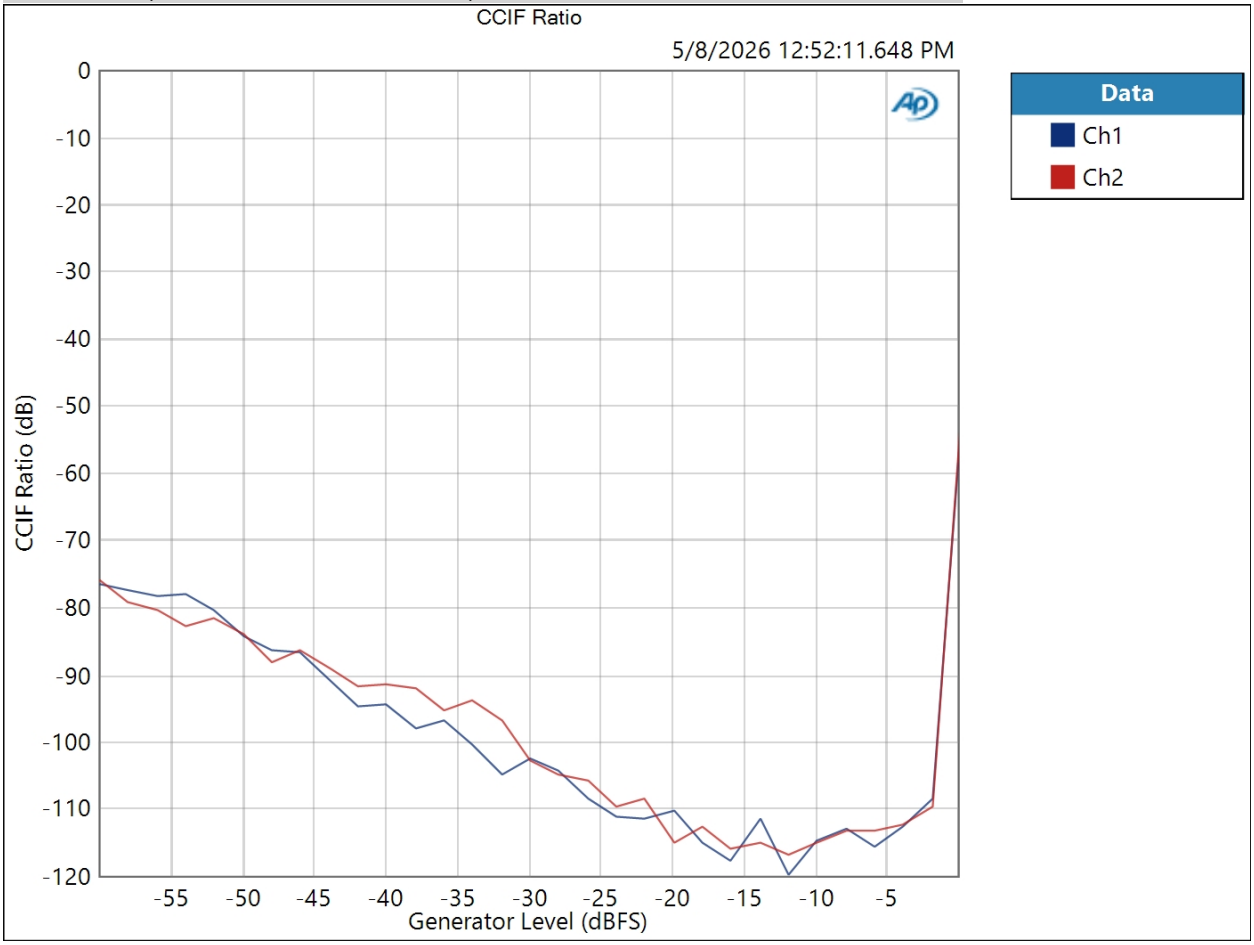
Distortion Product Ratio Parameters

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	5/8/2026 12:52:11 PM

CCIF Ratio (5/8/2026 12:52:11.648 PM)

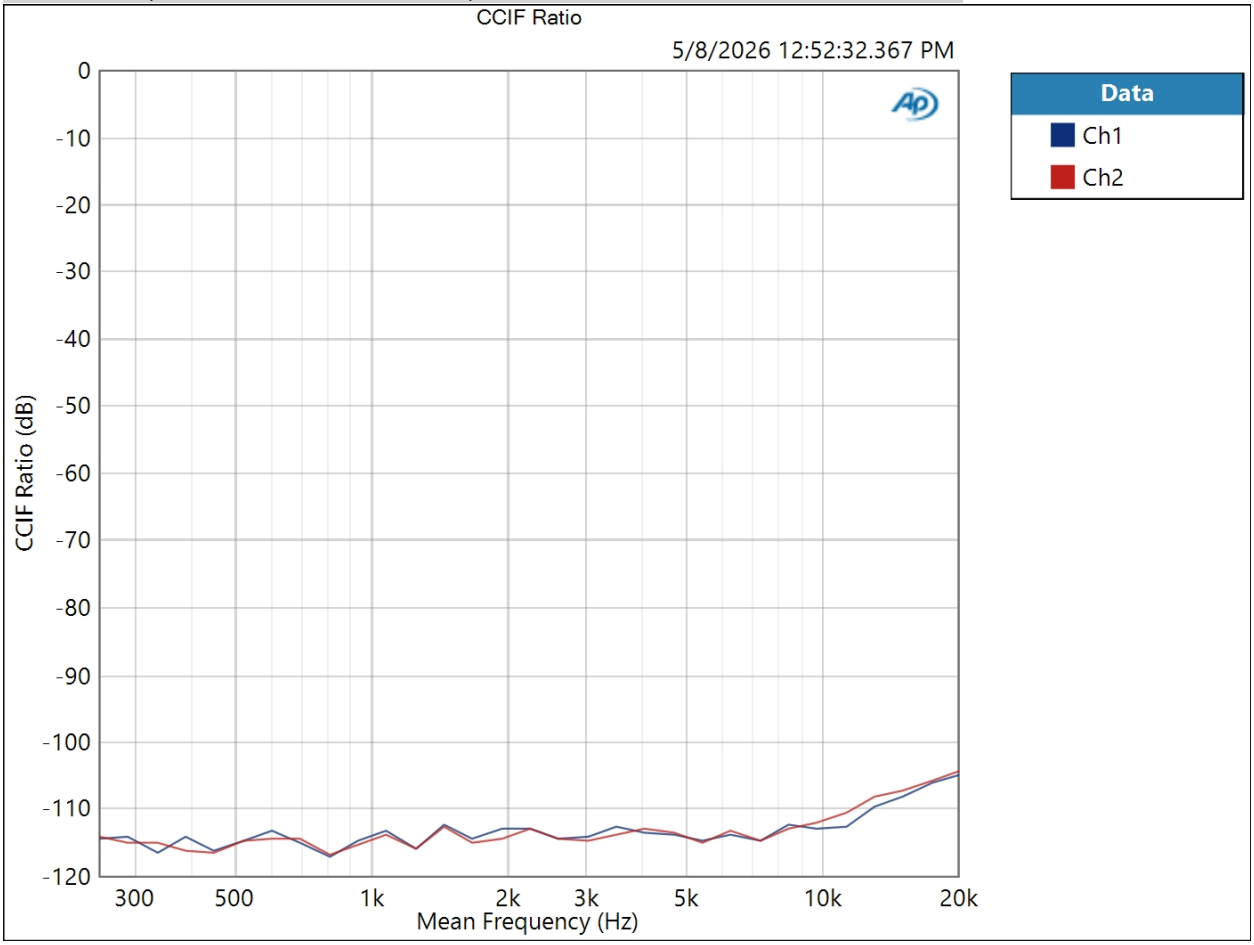


Result: PASSED

Balanced : IMD Frequency Sweep (CCIF)

Generator Level:	-1.000 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	5/8/2026 12:52:32 PM

CCIF Ratio (5/8/2026 12:52:32.367 PM)



Result: PASSED

Balanced : Crosstalk, One Channel Undriven

Waveform:	Sine
Generator Level:	-3.000 dBFS
DC Offset:	0.000 D
Frequency:	10.0000 kHz

Crosstalk (5/8/2026 12:52:36.350 PM)

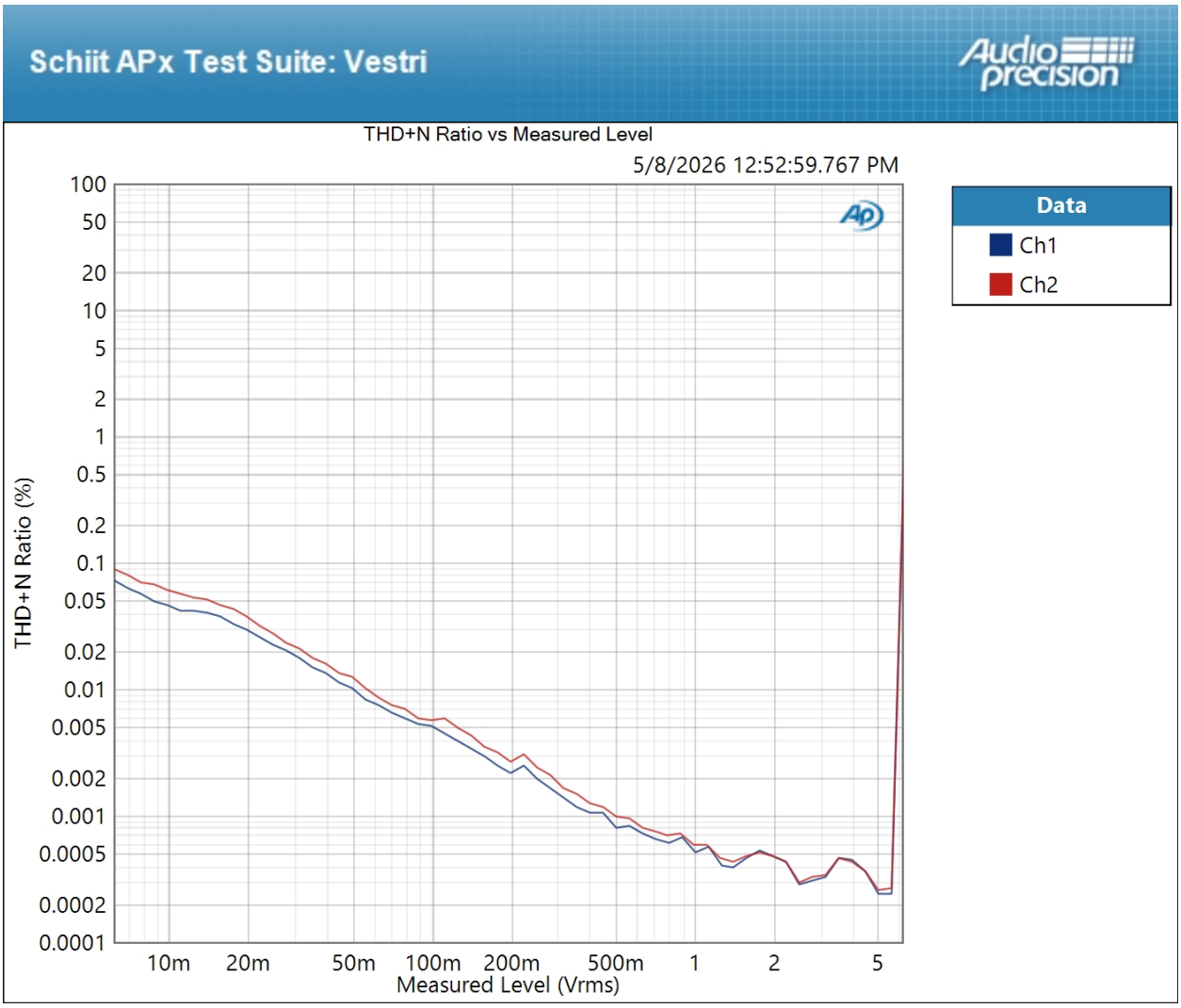
Ch1 -87.154 dB

Ch2 -92.033 dB

Balanced : 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:	61
Step Size:	+1.000 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	5/8/2026 12:52:59 PM

THD+N Ratio vs Measured Level (5/8/2026 12:52:59.767 PM)



Result: PASSED

SE : 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 Unbalanced
Input Bandwidth:	AC (<10 Hz) - 20 kHz (44.1 kHz SR)
Input EQ:	None
Channels:	2
Termination:	300 ohm
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
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
Sync Out Polarity:	Normal

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

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 (5/8/2026 12:46:08.188 PM)

Ch1	3.086 Vrms
Ch2	3.089 Vrms

SE : DC Level

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

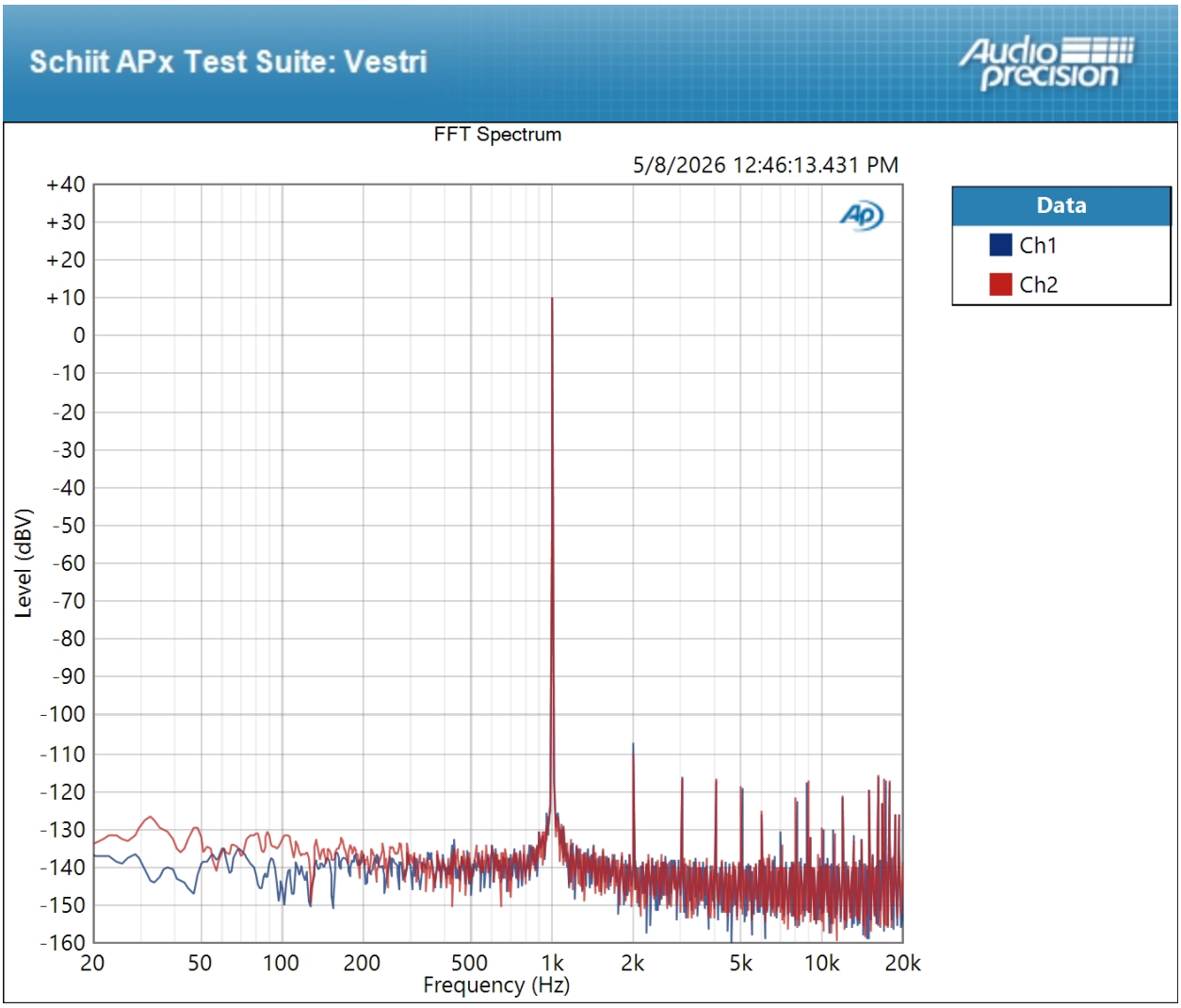
DC Level (5/8/2026 12:46:09.395 PM)

Ch1	-848.7 uV
Ch2	-336.5 uV

SE : Signal Analyzer

Waveform:	Sine
Generator Level:	-0.000 dBFS
DC Offset:	0.000 D
Frequency:	1.00000 kHz
Secondary Source:	None
Measured 1	5/8/2026 12:46:13 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 (5/8/2026 12:46:13.431 PM)

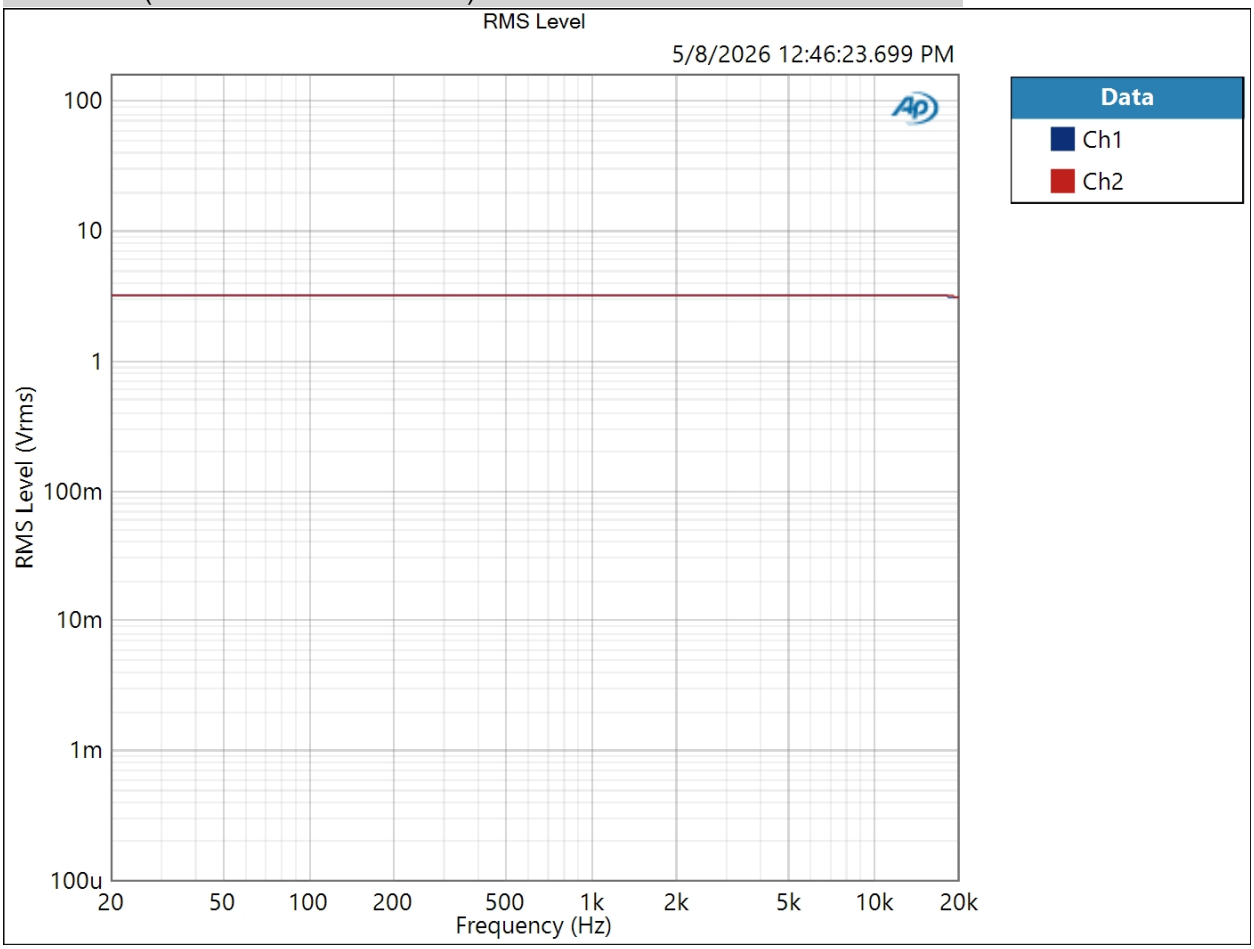


Result: PASSED

SE : Frequency Response

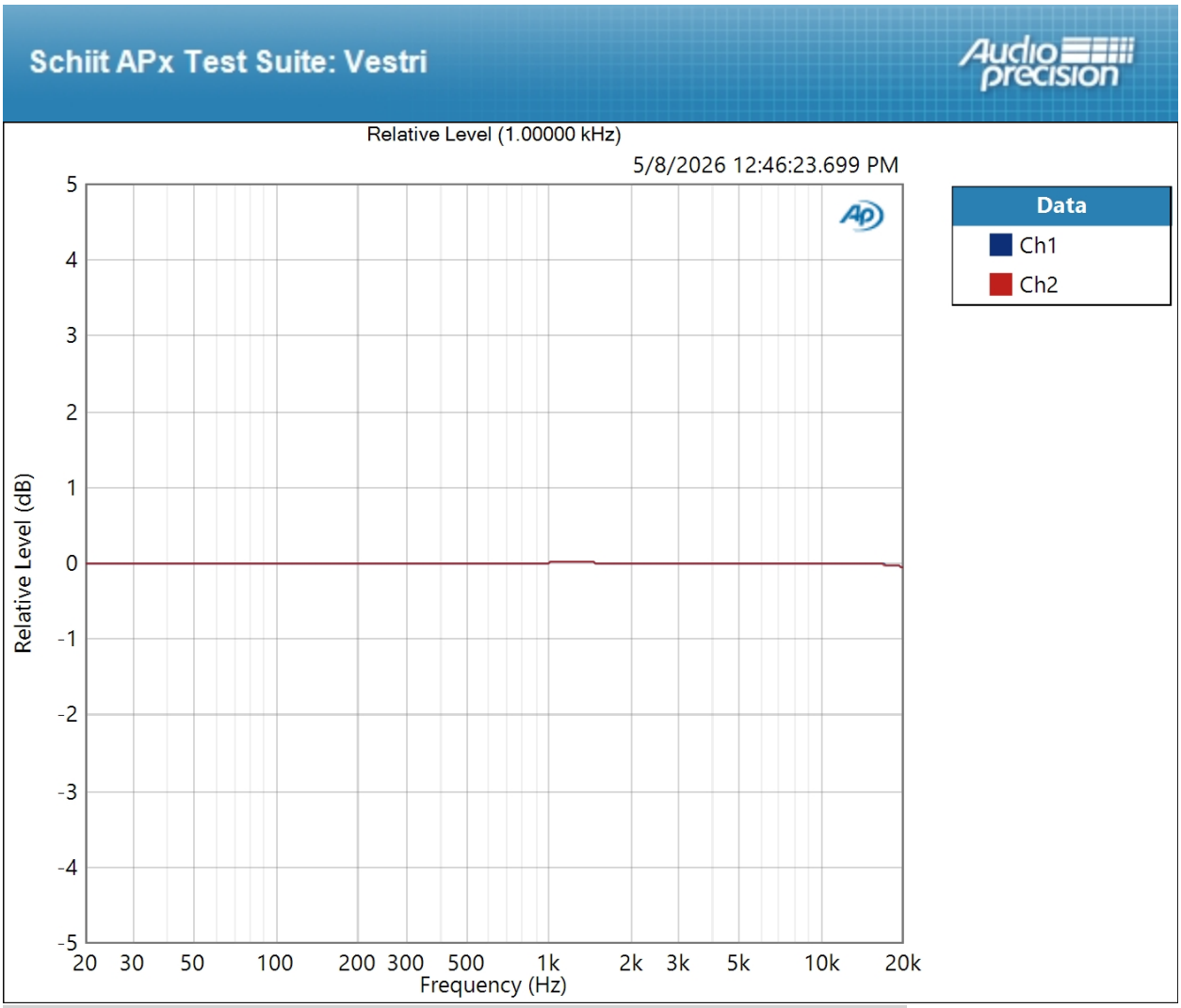
Start Frequency:	20.0000 Hz
Stop Frequency:	20.0000 kHz
Generator Level:	-0.000 dBFS
DC Offset:	0.000 D
EQ:	None
Pre-Sweep:	500.0 ms
Sweep:	1.000 s
Extend Acquisition By:	3.000 s
Secondary Source:	None
Measured 1	5/8/2026 12:46:23 PM

RMS Level (5/8/2026 12:46:23.699 PM)



Result: PASSED

Relative Level (1.00000 kHz) (5/8/2026 12:46:23.699 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) (5/8/2026 12:46:23.699 PM)

Ch1 ±0.035 dB

Ch2 ±0.036 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

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 (5/8/2026 12:46:25.805 PM)

Ch1 119.202 dB

Ch2 118.813 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 (5/8/2026 12:46:28.305 PM)

Ch1 0.000250 %

Ch2 0.000238 %

THD Ratio (5/8/2026 12:46:28.305 PM)

Ch1 0.000185 %

Ch2 0.000162 %

Noise Ratio (5/8/2026 12:46:28.305 PM)

Ch1 0.000172 %

Ch2 0.000176 %

Distortion Product Ratio (5/8/2026 12:46:28.305 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	-117.01	-125.21	-127.68	-128.86	-135.50	-140.37	-131.54	-137.95	-146.03
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-119.77	-125.94	-126.58	-127.65	-133.10	-140.90	-131.98	-137.94	-141.84

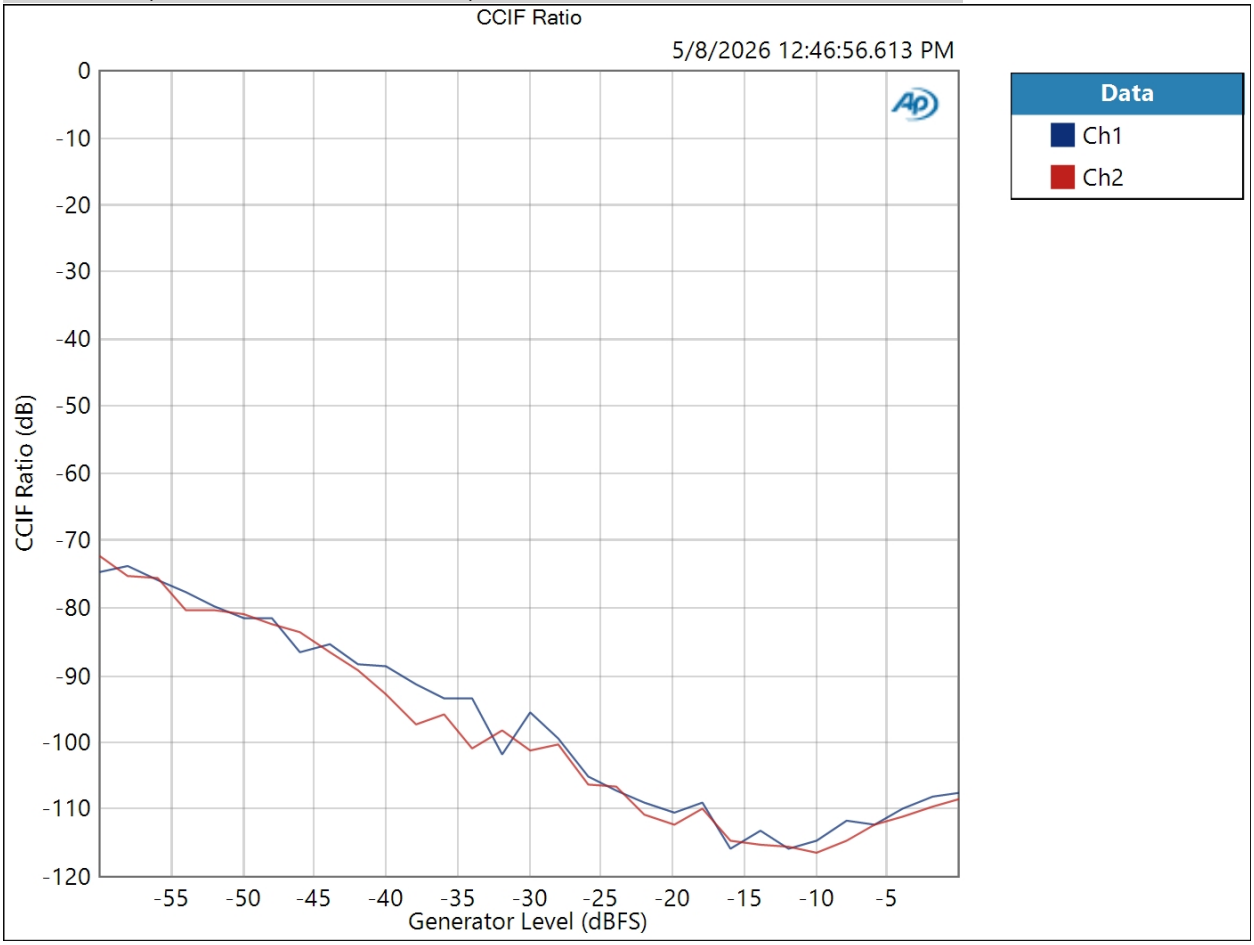
Distortion Product Ratio Parameters

Frequency Unit:	Hz
Ratio Unit:	dB
Channel:	Ch1

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	5/8/2026 12:46:56 PM

CCIF Ratio (5/8/2026 12:46:56.613 PM)

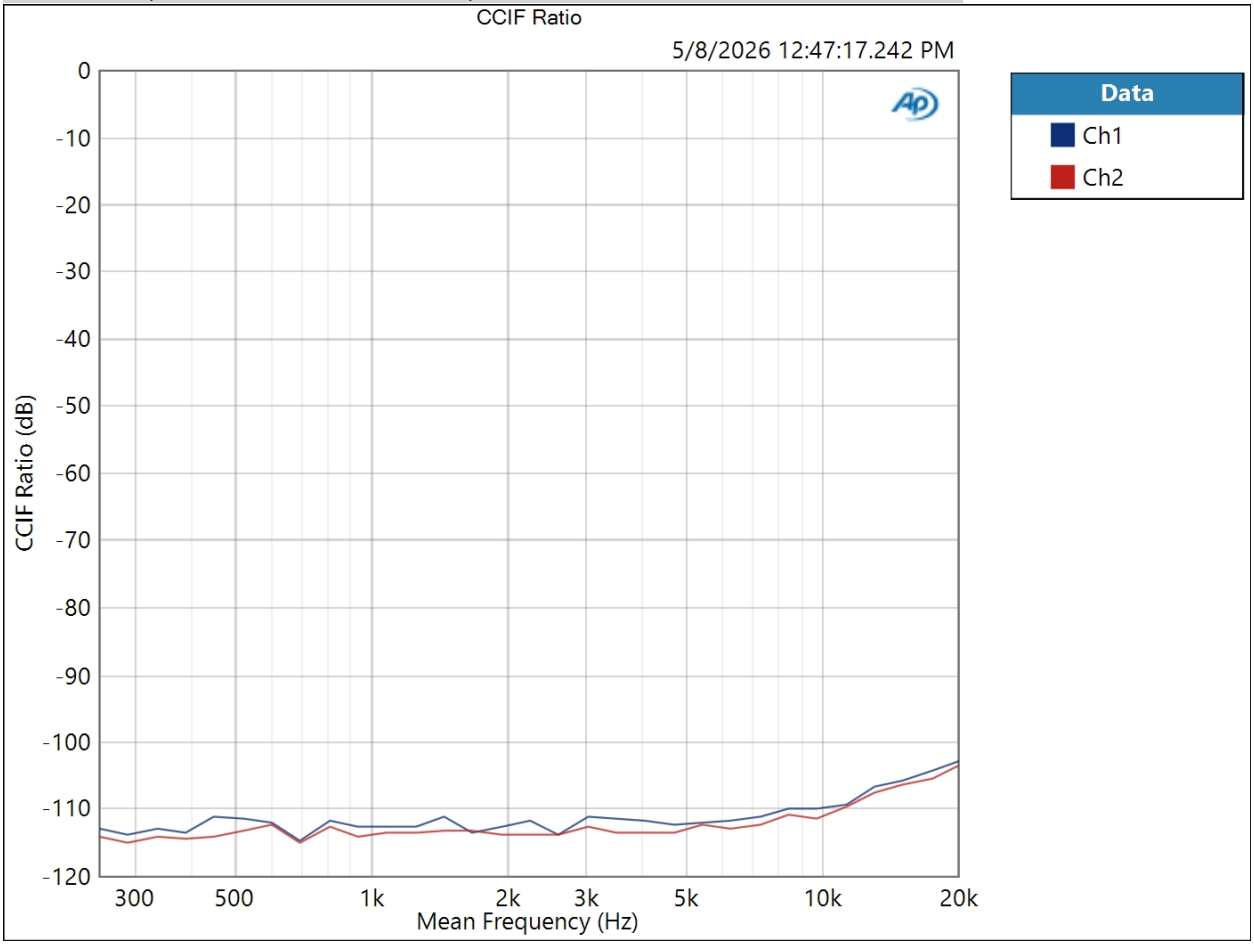


Result: PASSED

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	5/8/2026 12:47:17 PM

CCIF Ratio (5/8/2026 12:47:17.242 PM)



Result: PASSED

SE : Crosstalk, One Channel Undriven

Waveform:	Sine
Generator Level:	-0.000 dBFS
DC Offset:	0.000 D
Frequency:	10.0000 kHz

Crosstalk (5/8/2026 12:47:21.261 PM)

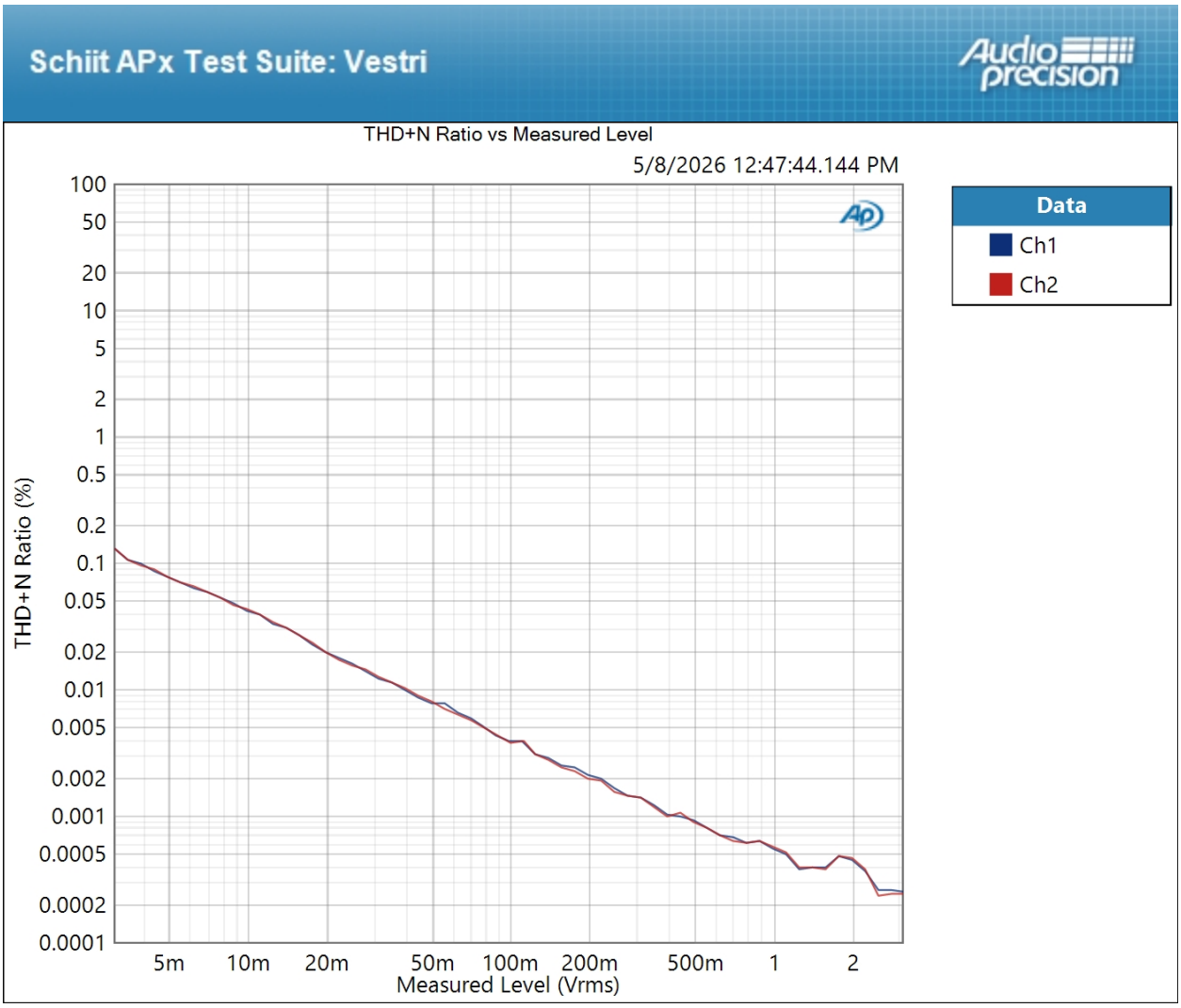
Ch1 82.470 dB

Ch2 83.238 dB

SE : 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:	61
Step Size:	+1.000 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	5/8/2026 12:47:44 PM

THD+N Ratio vs Measured Level (5/8/2026 12:47:44.144 PM)



Result: PASSED