

APx555 Standard Test Suite: Byggy (Yggdrasil Singular)



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:	4.000 Vrms
dBrB:	4.000 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
--------------	-----------------

11/5/2025 2:12 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 2:05:24.808 PM)

Ch1 4.096 Vrms
Ch2 4.094 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

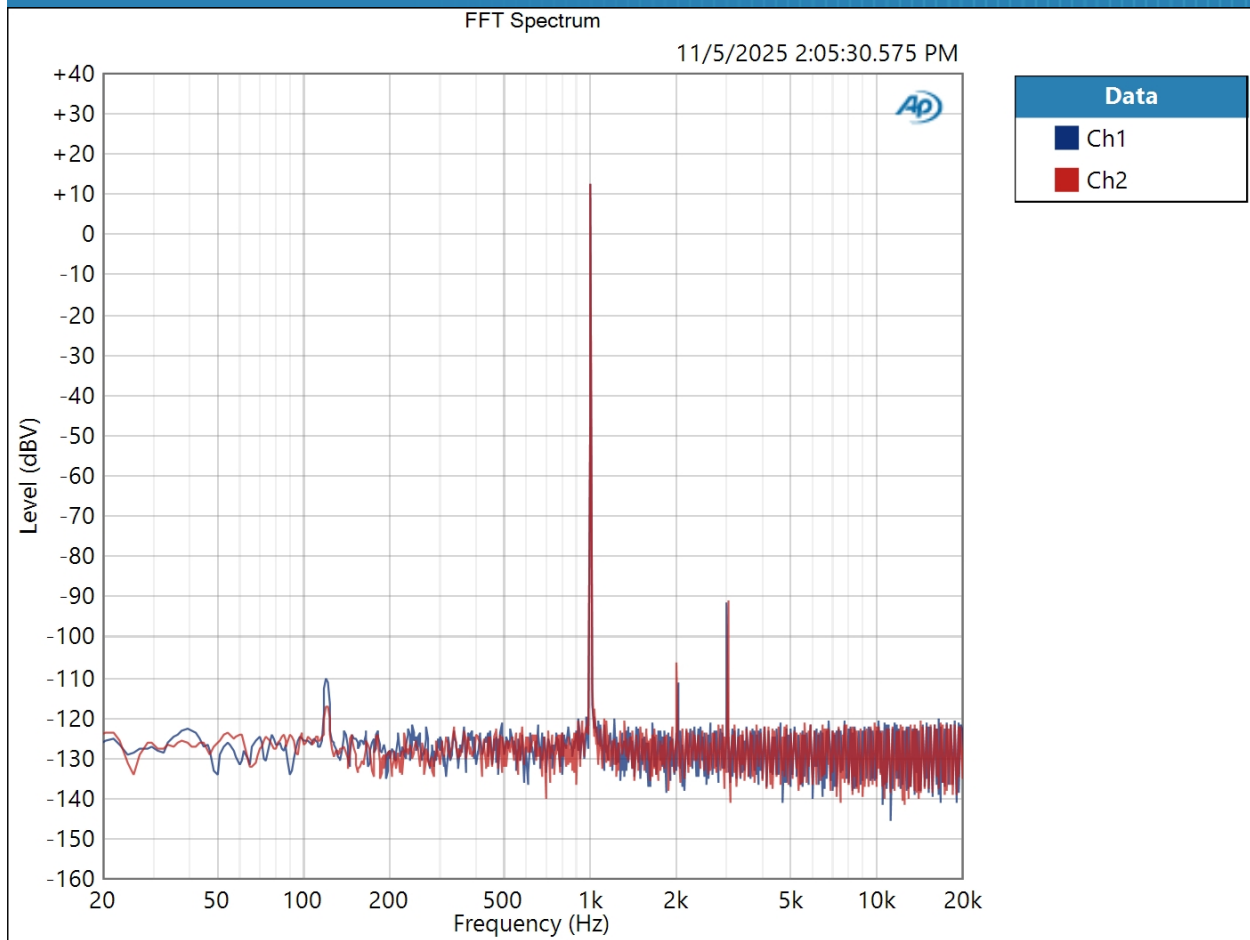
DC Level (11/5/2025 2:05:26.189 PM)

Ch1 -3.258 mV
Ch2 314.3 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 2:05:30 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 2:05:30.575 PM)



Result: PASSED

APx555 Standard Test Suite: Byggy (Yggdrasil Singular)



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

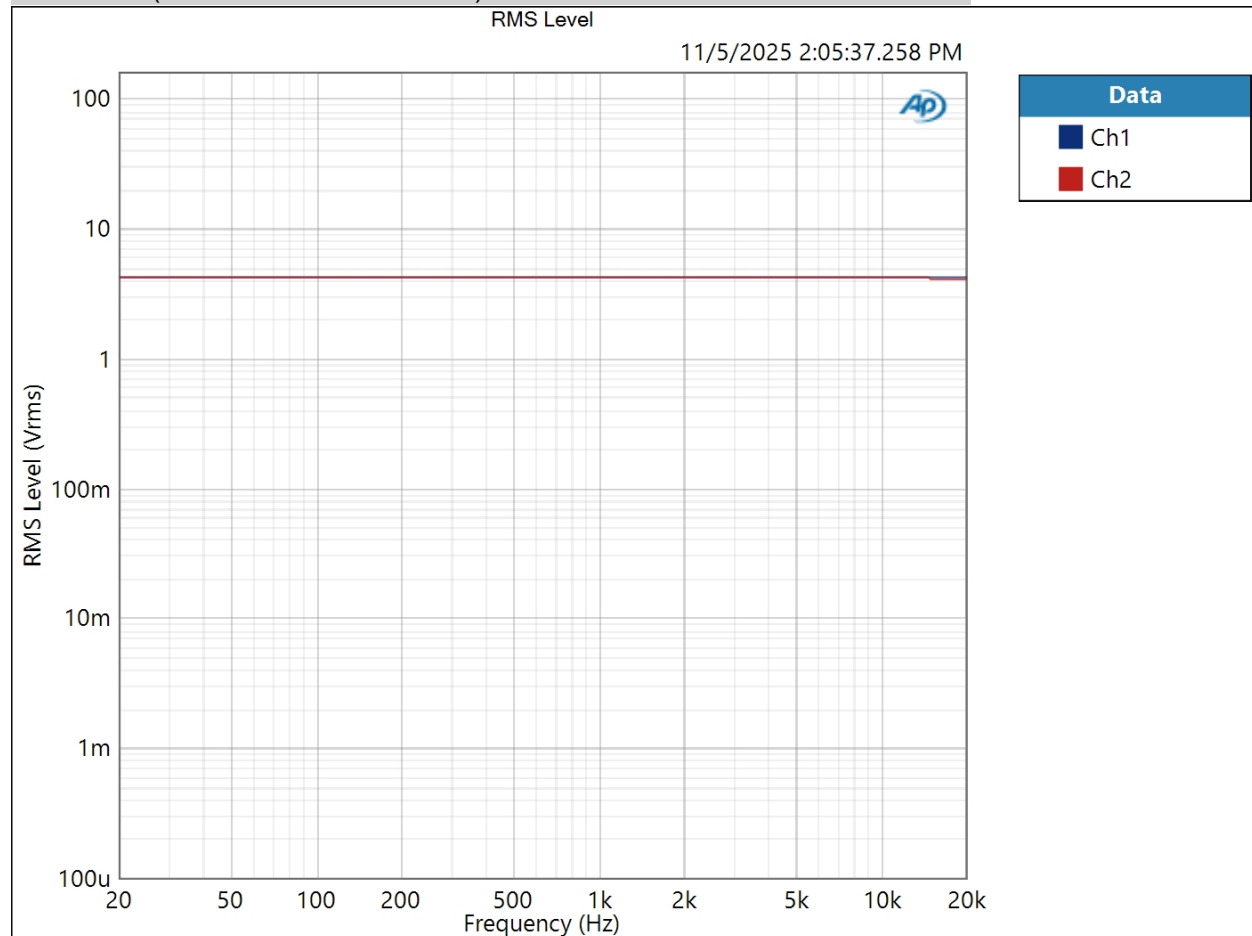
Sweep: 350.0 ms

Extend Acquisition By: 2.000 s

Secondary Source: None

Measured 1 11/5/2025 2:05:37 PM

RMS Level (11/5/2025 2:05:37.258 PM)

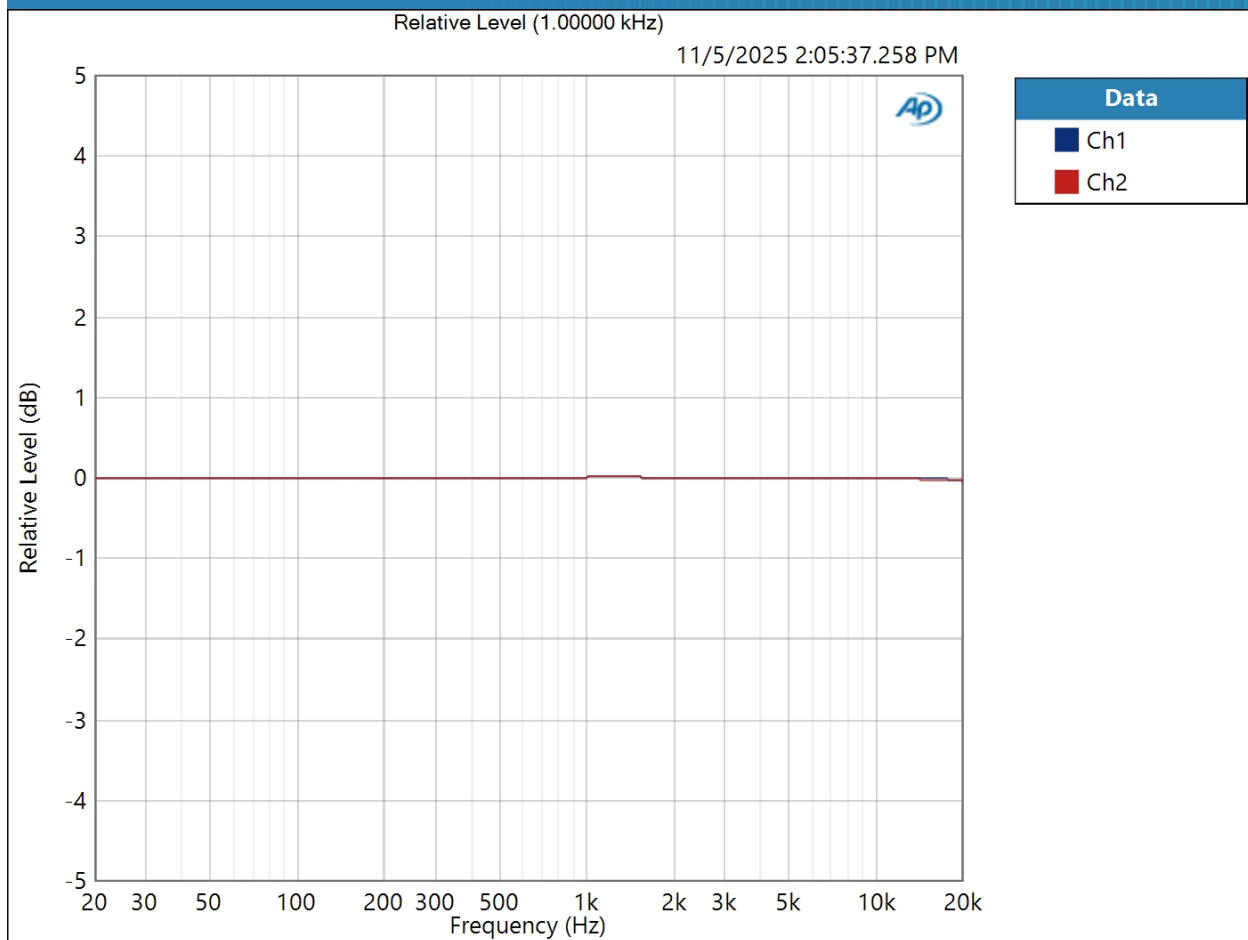


Result: PASSED

Relative Level (1.00000 kHz) (11/5/2025 2:05:37.258 PM)

11/5/2025 2:12 PM

Page 6 of 34



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 2:05:37.258 PM)

Ch1 ± 0.023 dBCh2 ± 0.032 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: A-wt.

Signal to Noise Ratio (11/5/2025 2:05:39.752 PM)

Ch1 105.131 dB

Ch2 105.321 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 2:05:41.968 PM)

Ch1 0.000975 %

Ch2 0.000997 %

THD Ratio (11/5/2025 2:05:41.968 PM)

Ch1 0.000764 %

Ch2 0.000805 %

Noise Ratio (11/5/2025 2:05:41.968 PM)

Ch1 0.000596 %

Ch2 0.000596 %

Distortion Product Ratio (11/5/2025 2:05:41.968 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	-123.71	-102.43	-130.93	-128.40	-128.02	-131.28	-131.91	-136.78	-132.43
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-115.92	-102.11	-130.61	-130.04	-127.92	-127.76	-137.24	-137.27	-131.26

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

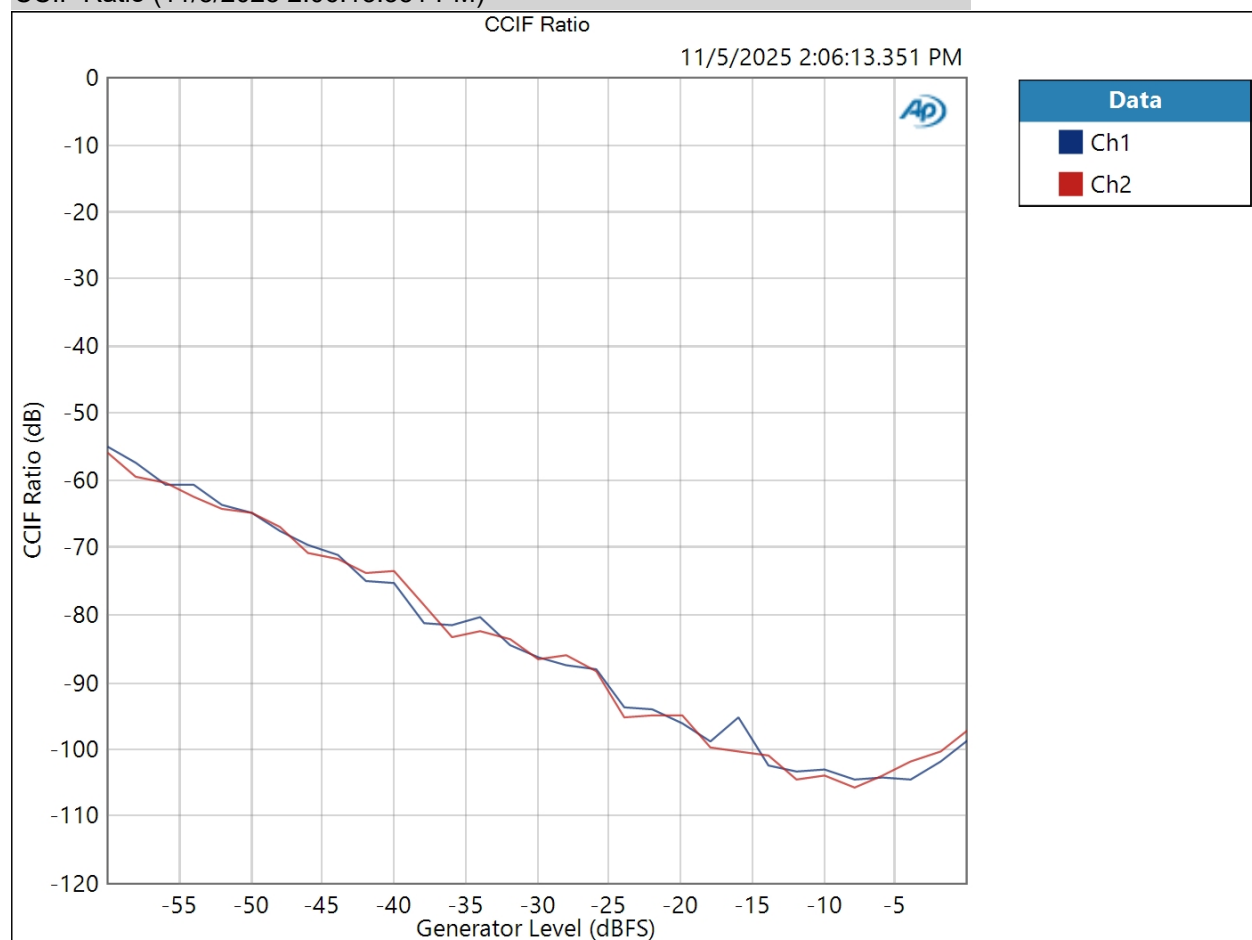
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 11/5/2025 2:06:13 PM

CCIF Ratio (11/5/2025 2:06:13.351 PM)



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

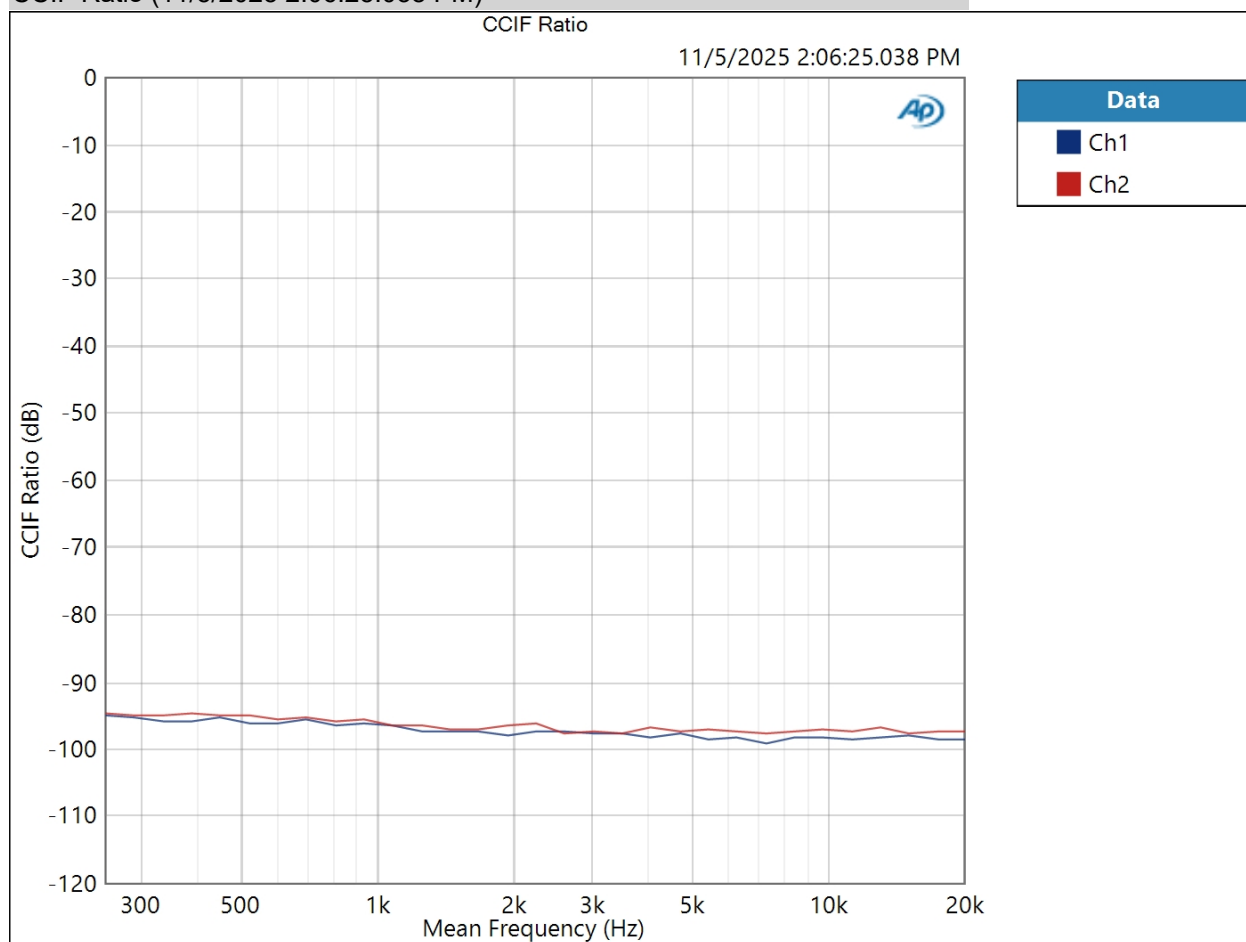
Step Type: Logarithmic

Number of Points: 31

Mode: d2+d3

Measured 1 11/5/2025 2:06:25 PM

CCIF Ratio (11/5/2025 2:06:25.038 PM)



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 2:06:30.263 PM)

Ch1 -121.861 dB

Ch2 -116.259 dB

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

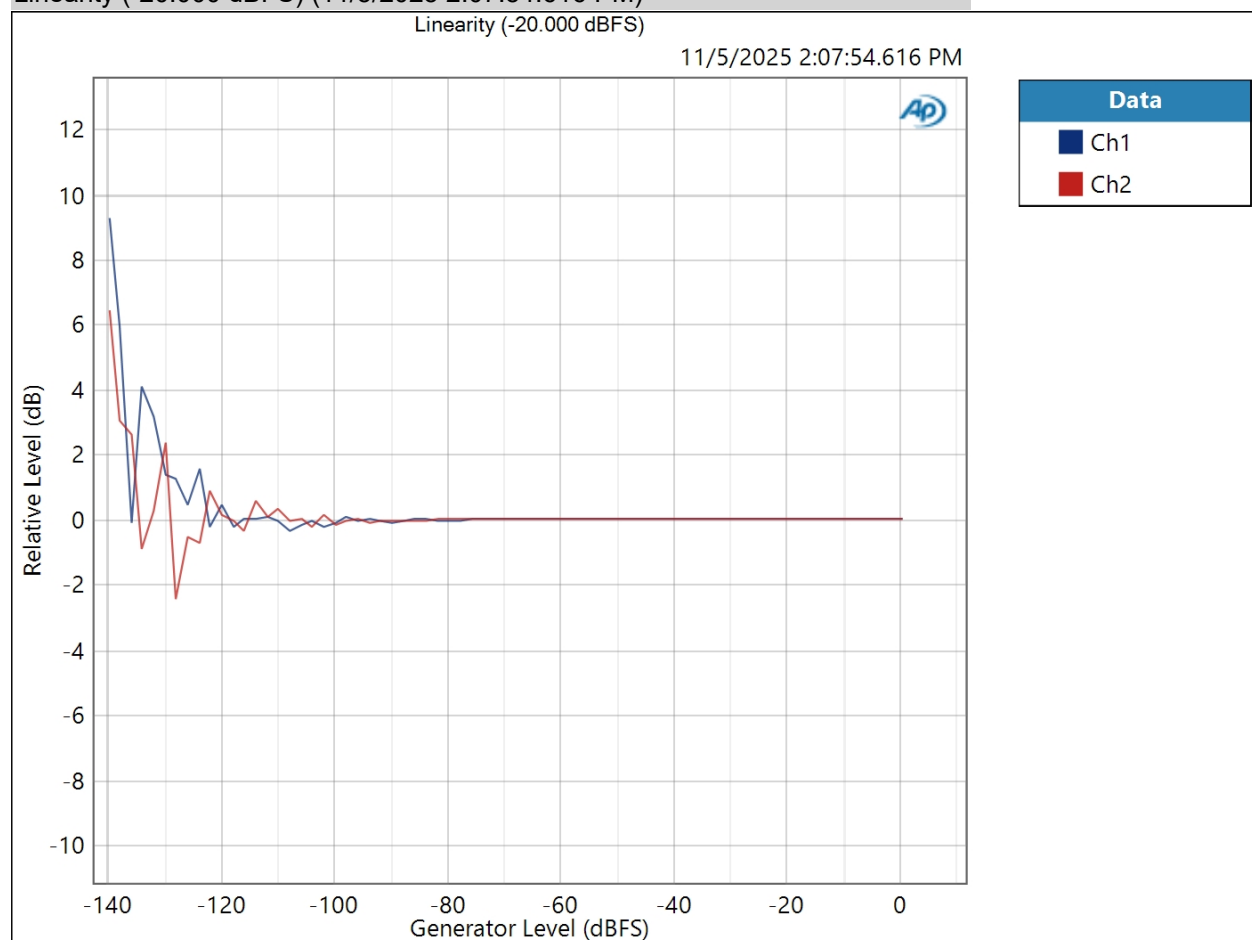
Offset: 0.000 D

Selectivity: Window width

Bandpass Tuning Mode: Generator Frequency

Measured 1 11/5/2025 2:07:54 PM

Linearity (-20.000 dBFS) (11/5/2025 2:07:54.616 PM)



Linearity (-20.000 dBFS) Parameters

APx555 Standard Test Suite: Byggy (Yggdrasil Singular)



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 2:12 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 2:08:52.299 PM)

Ch1 2.039 Vrms
Ch2 2.036 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

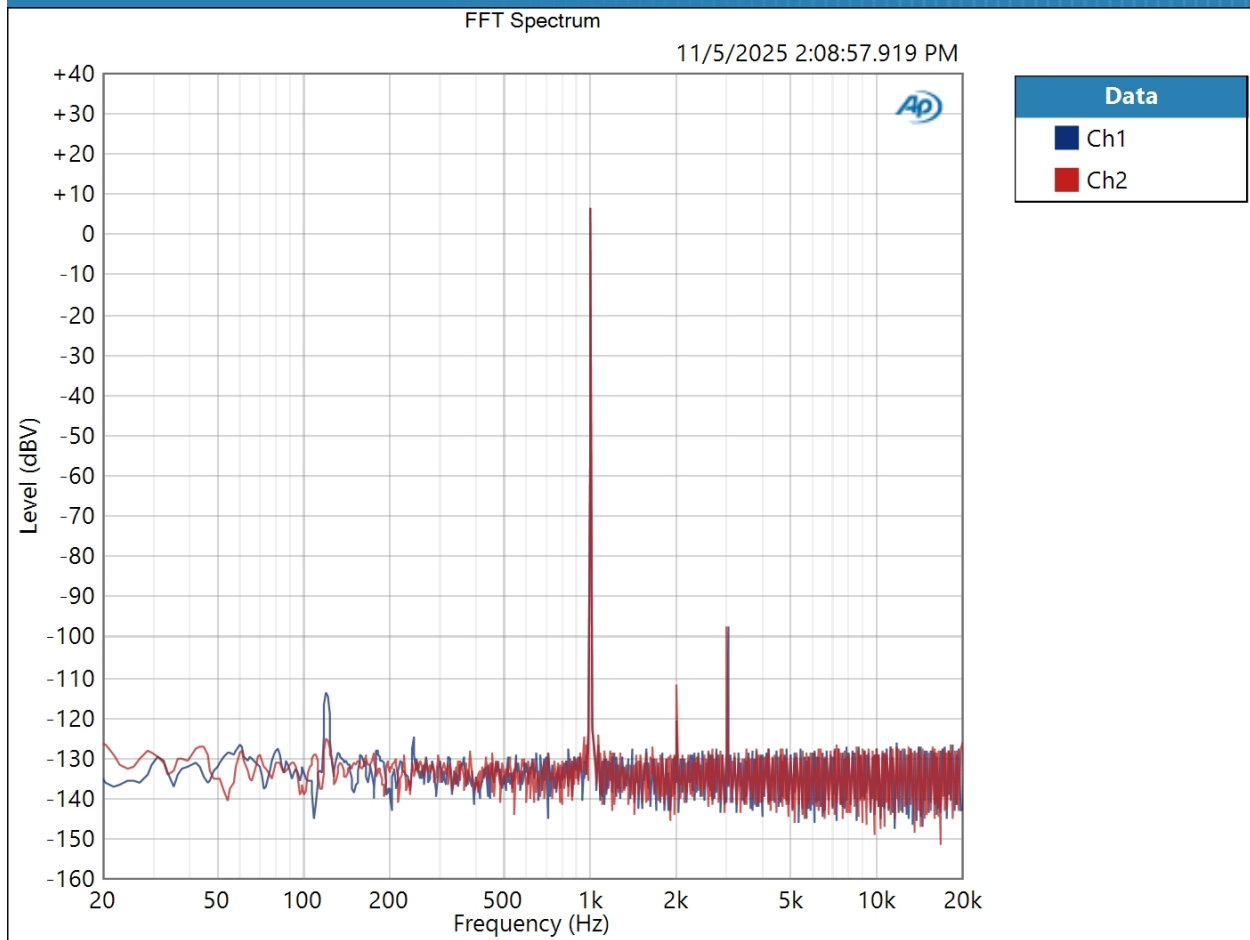
DC Level (11/5/2025 2:08:53.651 PM)

Ch1 1.004 mV
Ch2 -387.3 uV

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 2:08:57 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 2:08:57.919 PM)



Result: PASSED

APx555 Standard Test Suite: Byggy (Yggdrasil Singular)



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

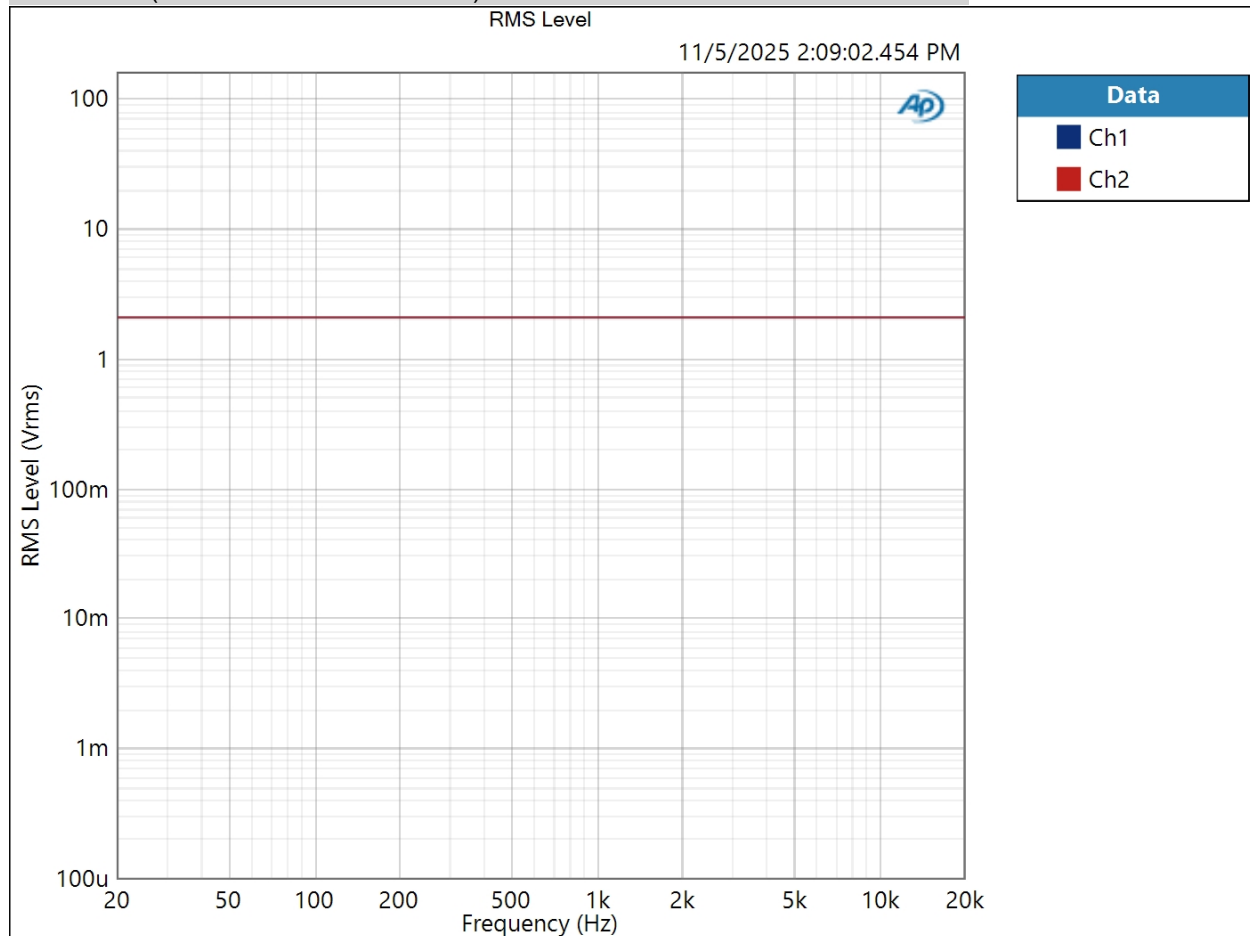
Sweep: 350.0 ms

Extend Acquisition By: 1.000 s

Secondary Source: None

Measured 1 11/5/2025 2:09:02 PM

RMS Level (11/5/2025 2:09:02.454 PM)

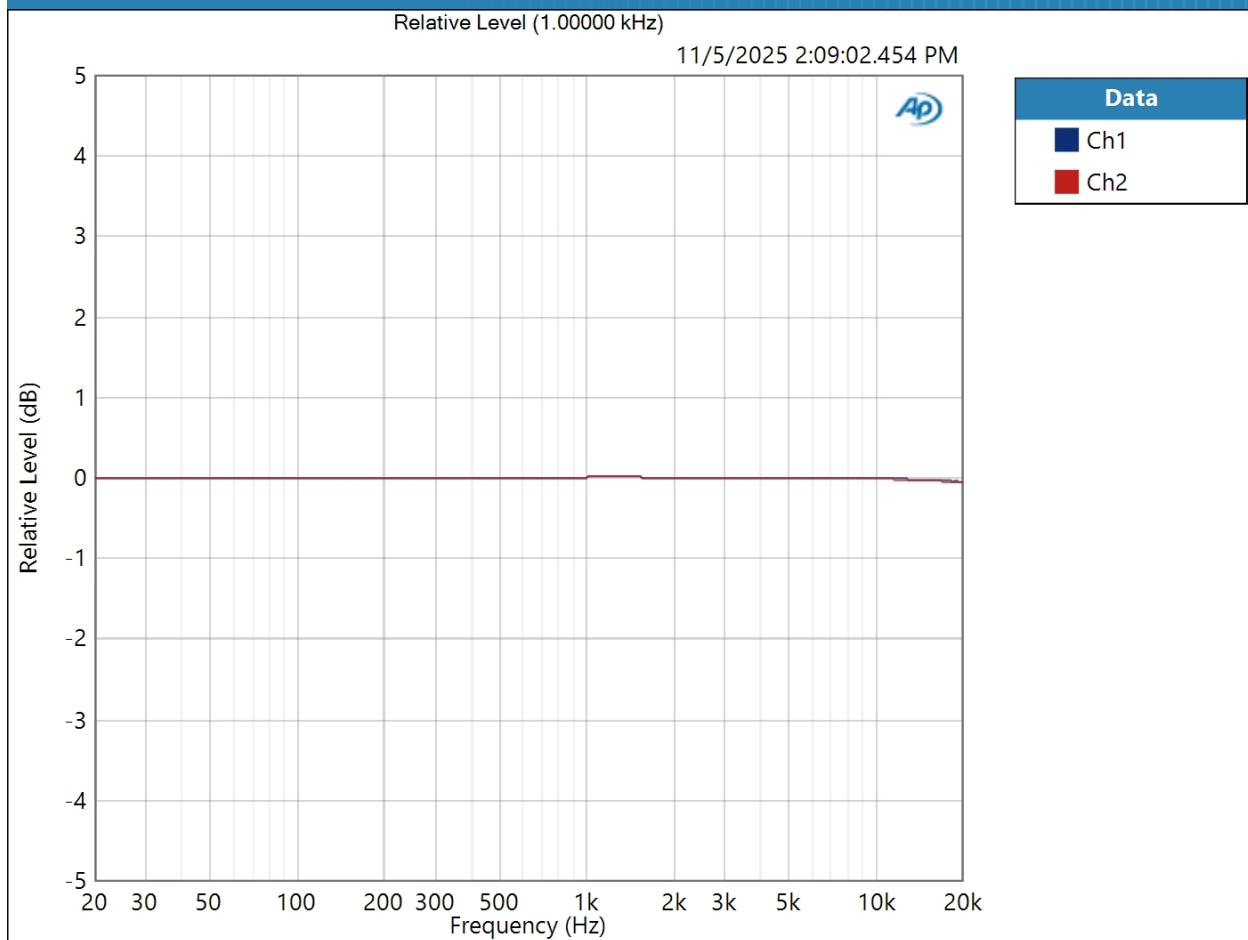


Result: PASSED

Relative Level (1.00000 kHz) (11/5/2025 2:09:02.454 PM)

11/5/2025 2:12 PM

Page 20 of 34



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 2:09:02.454 PM)

Ch1 ± 0.035 dBCh2 ± 0.043 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 2:09:04.935 PM)

Ch1 102.982 dB

Ch2 103.043 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 2:09:07.863 PM)

Ch1 0.000992 %

Ch2 0.000988 %

THD Ratio (11/5/2025 2:09:07.863 PM)

Ch1 0.000771 %

Ch2 0.000802 %

Noise Ratio (11/5/2025 2:09:07.863 PM)

Ch1 0.000618 %

Ch2 0.000594 %

Distortion Product Ratio (11/5/2025 2:09:07.863 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	-122.99	-102.36	-126.49	-136.41	-135.87	-129.02	-131.05	-133.98	-135.00
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-118.10	-102.07	-136.92	-130.10	-128.92	-132.45	-133.86	-132.82	-131.88

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

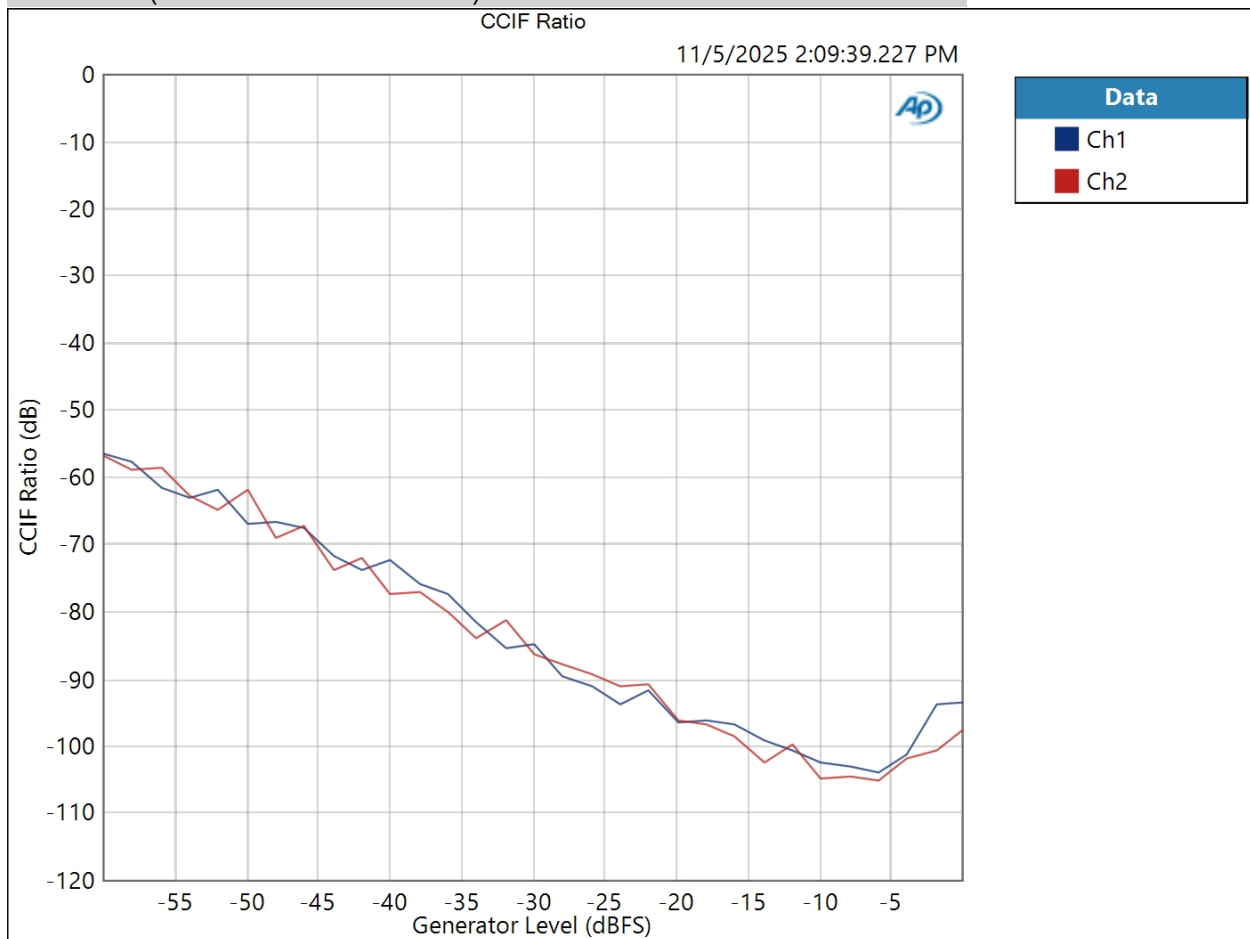
Number of Points: 31

Step Size: +2.000 dBFS

Mode: d2+d3

Measured 1 11/5/2025 2:09:39 PM

CCIF Ratio (11/5/2025 2:09:39.227 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

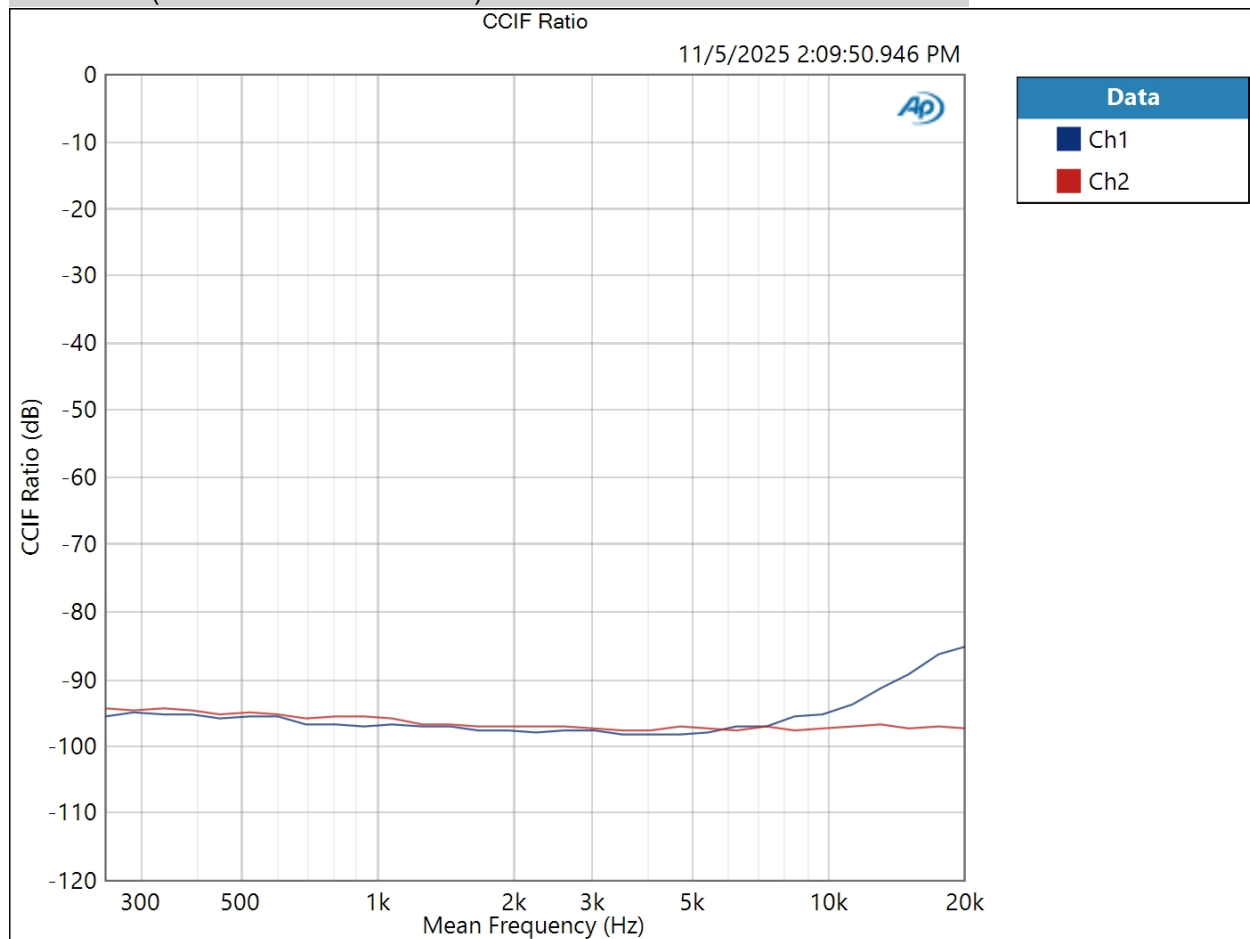
Step Type: Logarithmic

Number of Points: 31

Mode: d2+d3

Measured 1 11/5/2025 2:09:50 PM

CCIF Ratio (11/5/2025 2:09:50.946 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 2:09:55.527 PM)

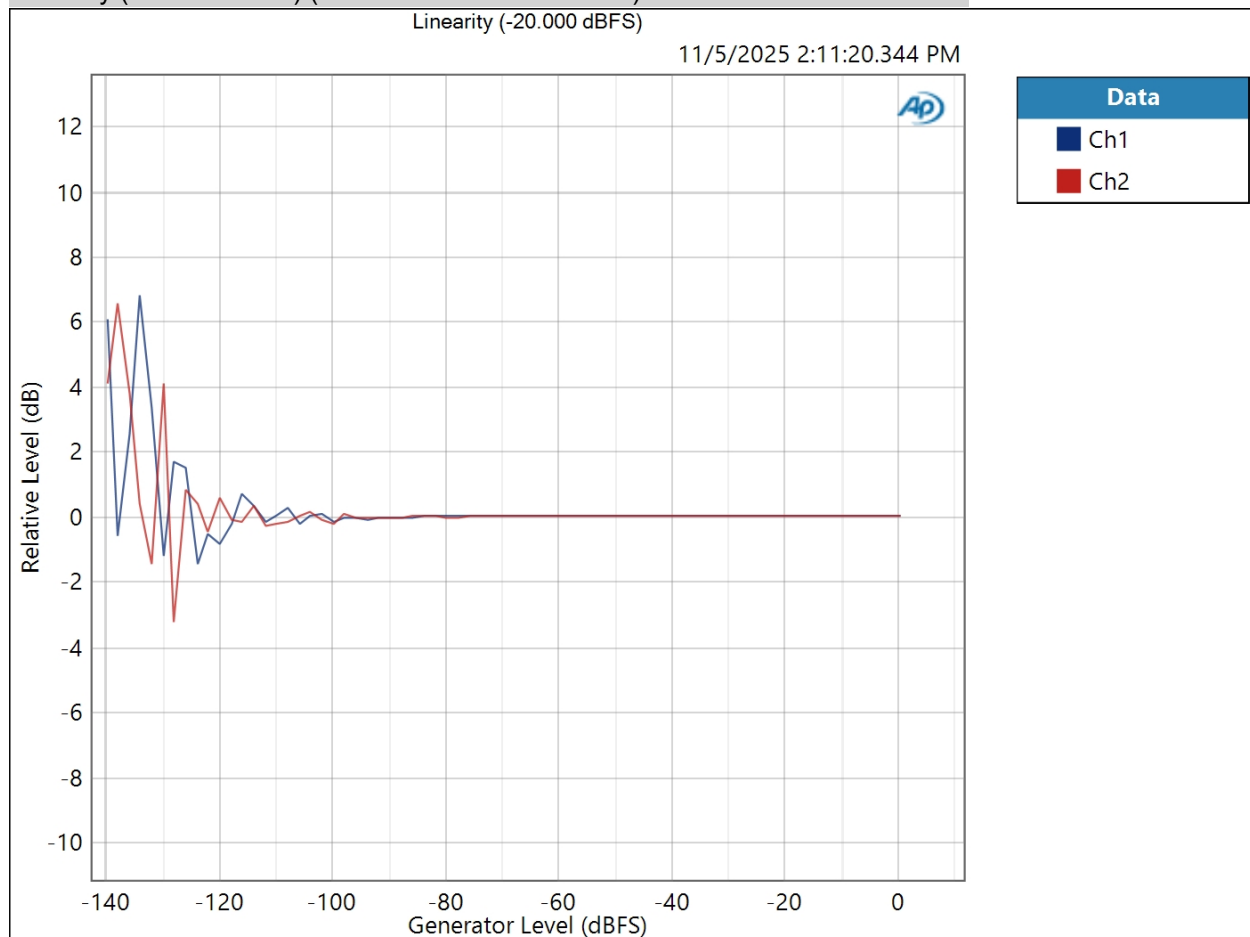
Ch1 -112.942 dB

Ch2 -106.233 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 2:11:20 PM

Linearity (-20.000 dBFS) (11/5/2025 2:11:20.344 PM)



Linearity (-20.000 dBFS) Parameters

APx555 Standard Test Suite: Byggy (Yggdrasil Singular)



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 2:12 PM

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

Jitter : Jitter Level Sweep

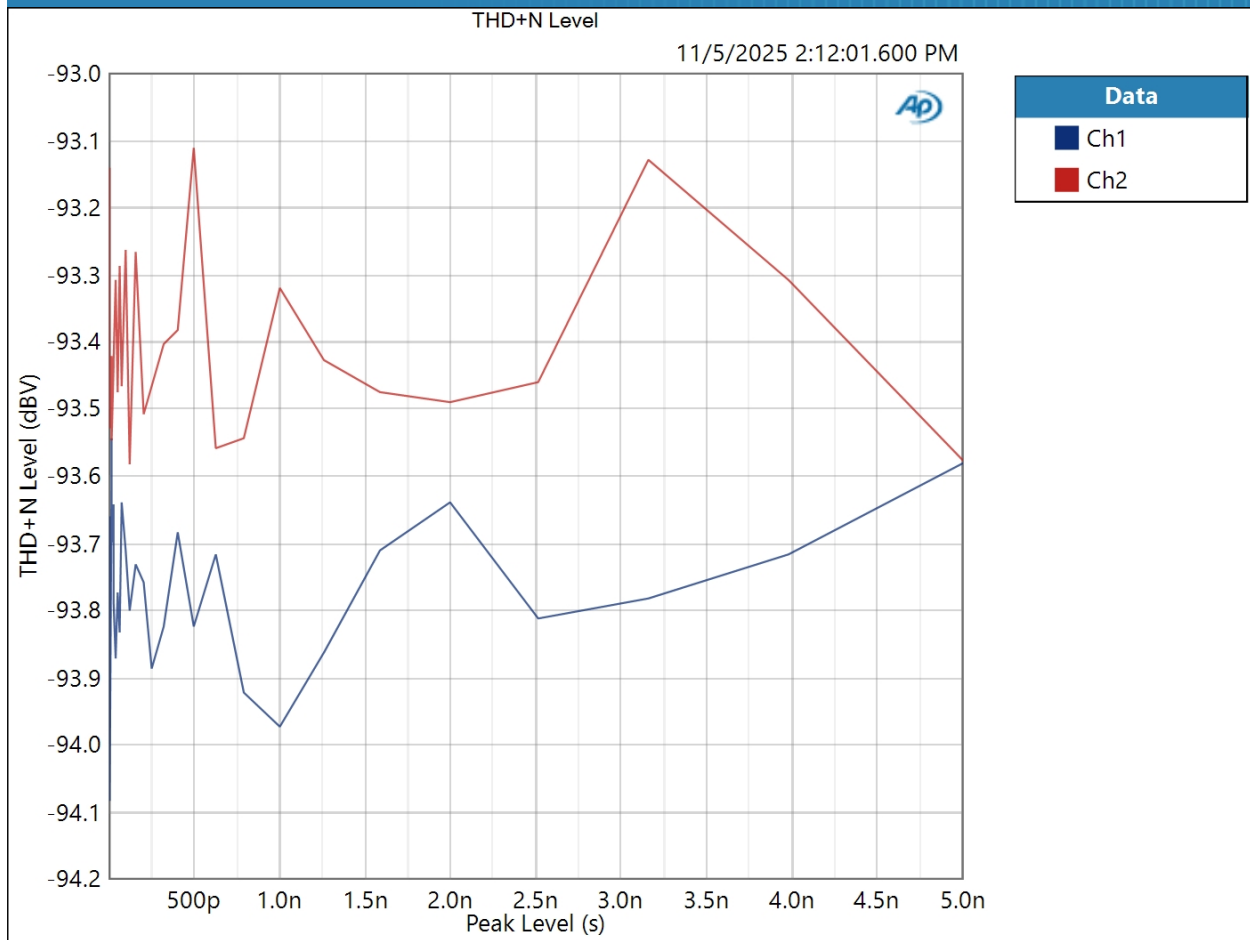
• Audio Generator

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

• Jitter Generator

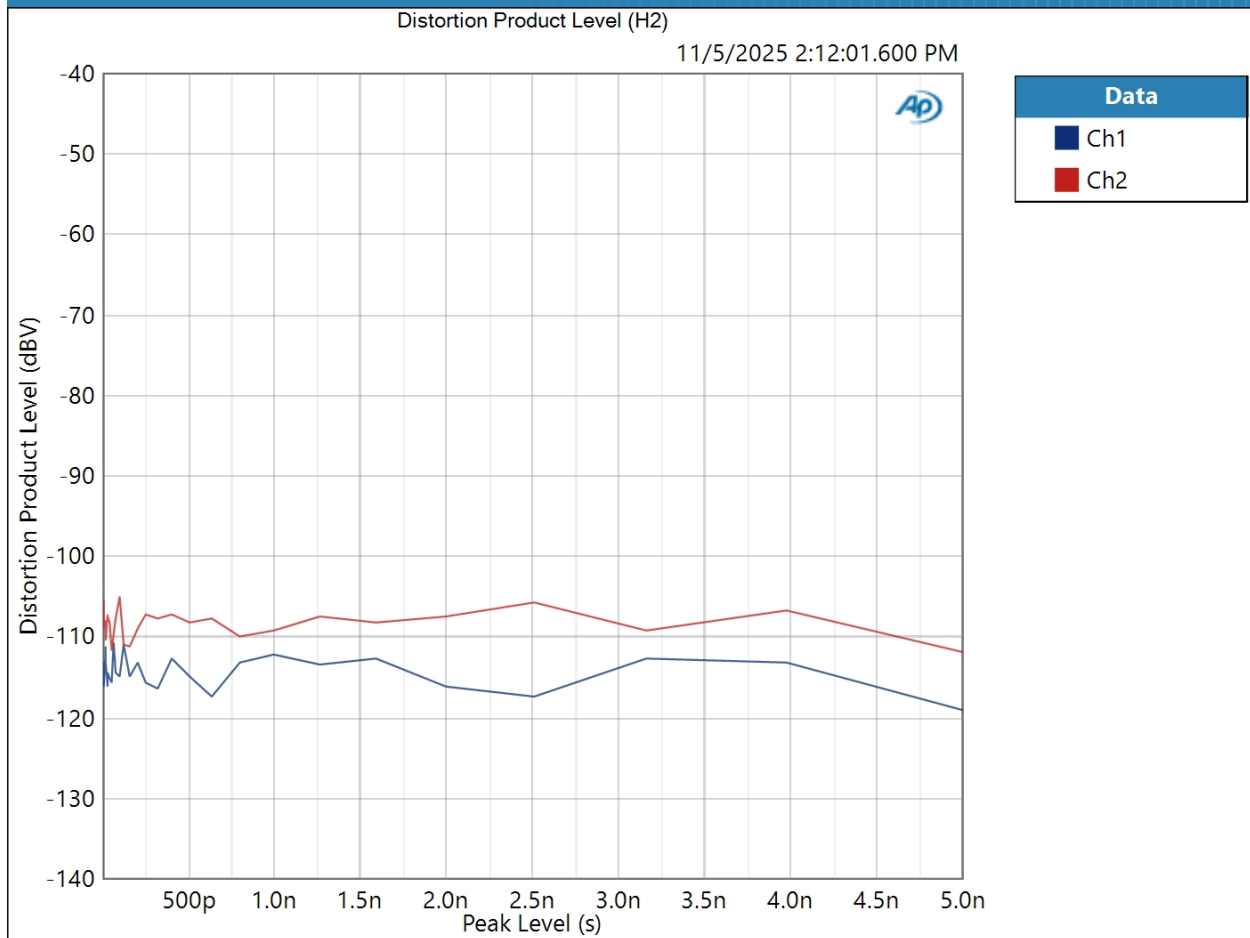
Jitter Waveform: Sine
Start Level: 5.000 ps
Stop Level: 5.000 ns
Step Type: Logarithmic
Number of Points: 31
Jitter Frequency: 1.00000 kHz
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: A-wt.
Notch Tuning Mode: Generator Frequency
Secondary Source: None
Measured 1 11/5/2025 2:12:01 PM

THD+N Level (11/5/2025 2:12:01.600 PM)



Result: PASSED

Distortion Product Level (H2) (11/5/2025 2:12:01.600 PM)



Distortion Product Level (H2) Parameters

Harmonics: Single Harmonic

Harmonic Number: 2

Result: PASSED