

Schiit Amp APx555 Standard Test: Rekk



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@schiiit.com so we can have a look.

Summary

8 Ohm Stereo

Level and Gain	✓ PASSED
DC Level	✓ PASSED
Signal Analyzer	✓ PASSED
Frequency Response	✓ PASSED
Signal to Noise Ratio	✓ PASSED
THD+N	✓ PASSED
Crosstalk, One Channel Undriven	✓ PASSED
Stepped Level Sweep	✓ PASSED

4 Ohm Stereo

Level and Gain	✓ PASSED
DC Level	✓ PASSED
Signal Analyzer	✓ PASSED
Frequency Response	✓ PASSED
Signal to Noise Ratio	✓ PASSED
THD+N	✓ PASSED
Crosstalk, One Channel Undriven	✓ PASSED
Stepped Level Sweep	✓ PASSED

8 Ohm Mono

Level and Gain	✓ PASSED
DC Level	✓ PASSED
Signal Analyzer	✓ PASSED
Frequency Response	✓ PASSED
Signal to Noise Ratio	✓ PASSED
THD+N	✓ PASSED
Stepped Level Sweep	✓ PASSED

Sequence Result:

Sequence Result: ✓ PASSED

APx Instrument

Instrument ID: 100546525
Calibration Date: 2/10/2021
APx Version: 6.0.1.592.148673

8 Ohm Stereo : Signal Path Setup

Output Connector:	Analog Unbalanced
Channels:	2
Source Impedance:	20 ohm
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
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	100.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	8.000 ohm
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.	

8 Ohm Stereo : Level and Gain

Waveform: Sine
Generator Level: 255.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (2/23/2023 11:30:33.068 AM)

Ch1 1.003 Vrms
Ch2 1.002 Vrms

8 Ohm Stereo : DC Level

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

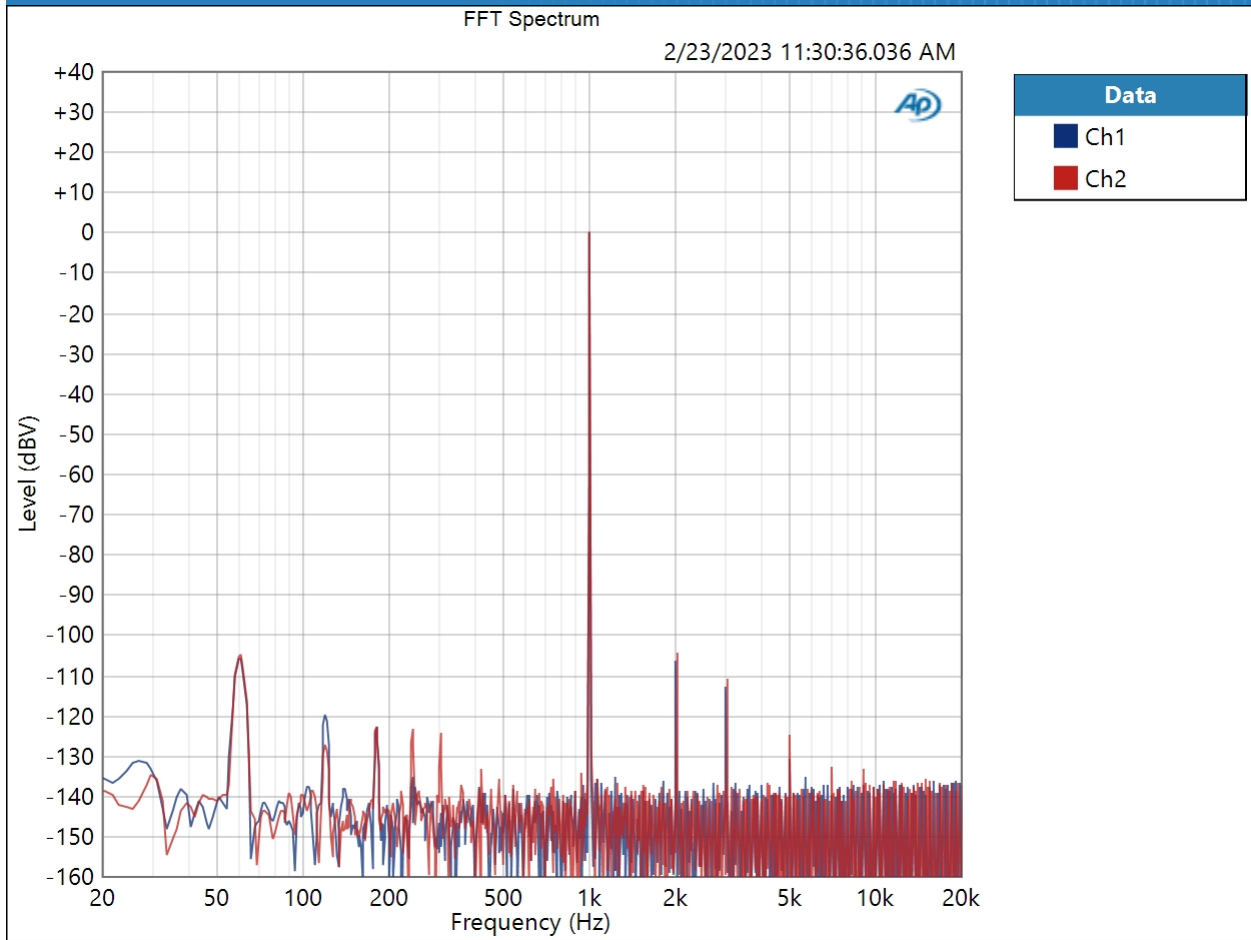
DC Level (2/23/2023 11:30:34.226 AM)

Ch1 -5.705 mV
Ch2 -4.168 mV

8 Ohm Stereo : Signal Analyzer

Waveform: Sine
Generator Level: 255.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 2/23/2023 11:30:36 AM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 100.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 32K
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (2/23/2023 11:30:36.036 AM)

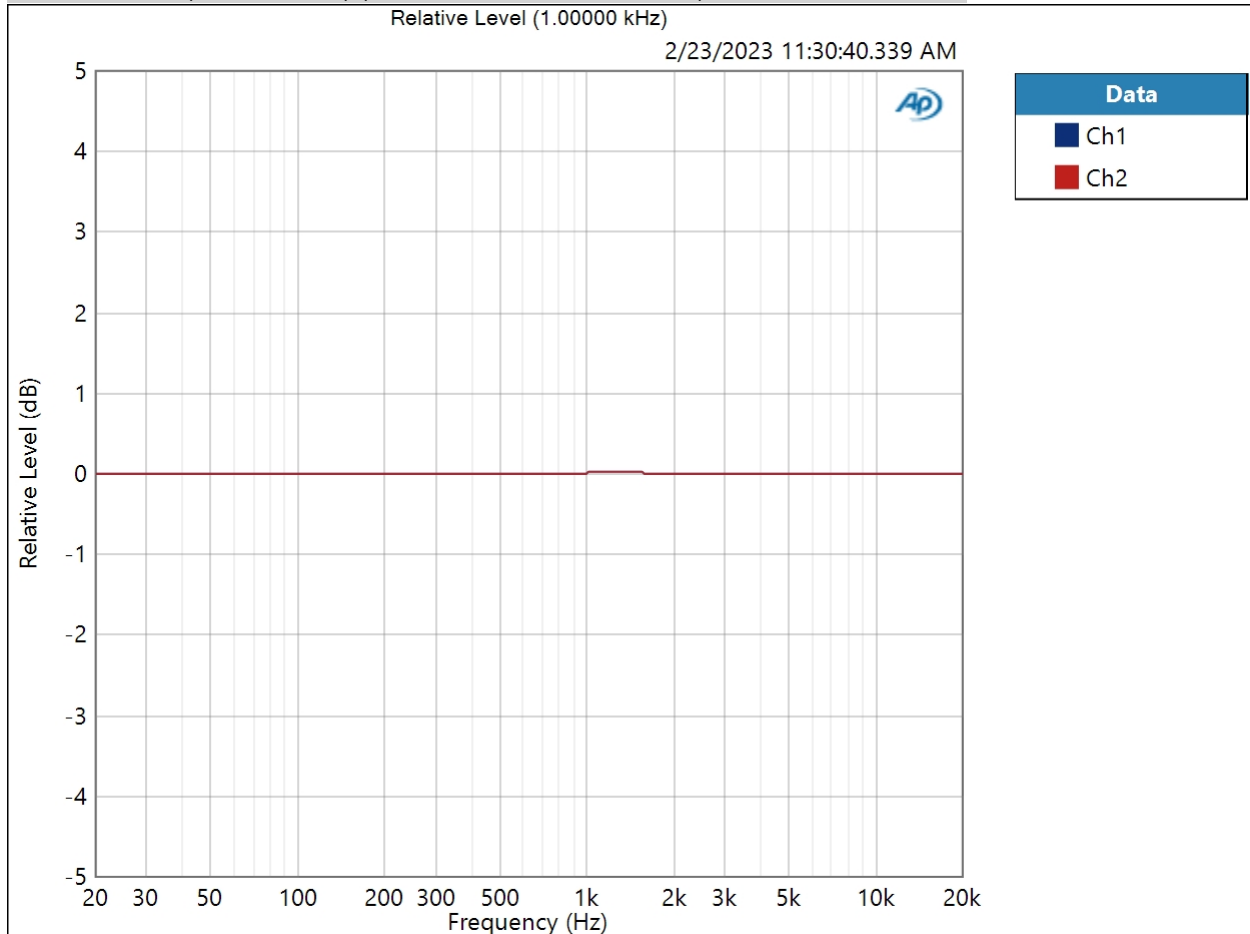


Result:  PASSED

8 Ohm Stereo : Frequency Response

Start Frequency: 20.0000 Hz
 Stop Frequency: 20.0000 kHz
 Generator Level: 100.0 mVrms
 DC Offset: 0.000 V
 EQ: None
 Pre-Sweep: 100.0 ms
 Sweep: 350.0 ms
 Extend Acquisition By: 1.000 s
 Secondary Source: None
 Measured 1 2/23/2023 11:30:40 AM

Relative Level (1.00000 kHz) (2/23/2023 11:30:40.339 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) (2/23/2023 11:30:40.339 AM)

Ch1 ± 0.009 dB

Ch2 ± 0.010 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

8 Ohm Stereo : Signal to Noise Ratio

Waveform: Sine

Generator Level: 800.0 mVrms

DC Offset: 0.000 V

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 (2/23/2023 11:30:42.292 AM)

Ch1 120.537 dB

Ch2 120.469 dB

8 Ohm Stereo : THD+N

Waveform: Sine
 Generator Level: 255.0 mVrms
 DC Offset: 0.000 V
 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 (2/23/2023 11:30:44.138 AM)

Ch1 0.000873 %
 Ch2 0.000994 %

THD Ratio (2/23/2023 11:30:44.138 AM)

Ch1 0.000534 %
 Ch2 0.000681 %

Noise Ratio (2/23/2023 11:30:44.138 AM)

Ch1 0.000684 %
 Ch2 0.000730 %

Distortion Product Ratio (2/23/2023 11:30:44.138 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	-106.38	-113.07	-136.41	-129.27	-134.48	-134.92	-134.67	-138.64	-131.72
Ch2	-0.00	-104.36	-110.55	-133.74	-123.26	-134.99	-131.25	-137.24	-136.60	-135.95

Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1

Schiit Amp APx555 Standard Test: Rekr



8 Ohm Stereo : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: 255.0 mVrms

DC Offset: 0.000 V

Frequency: 10.0000 kHz

Crosstalk (2/23/2023 11:30:45.325 AM)

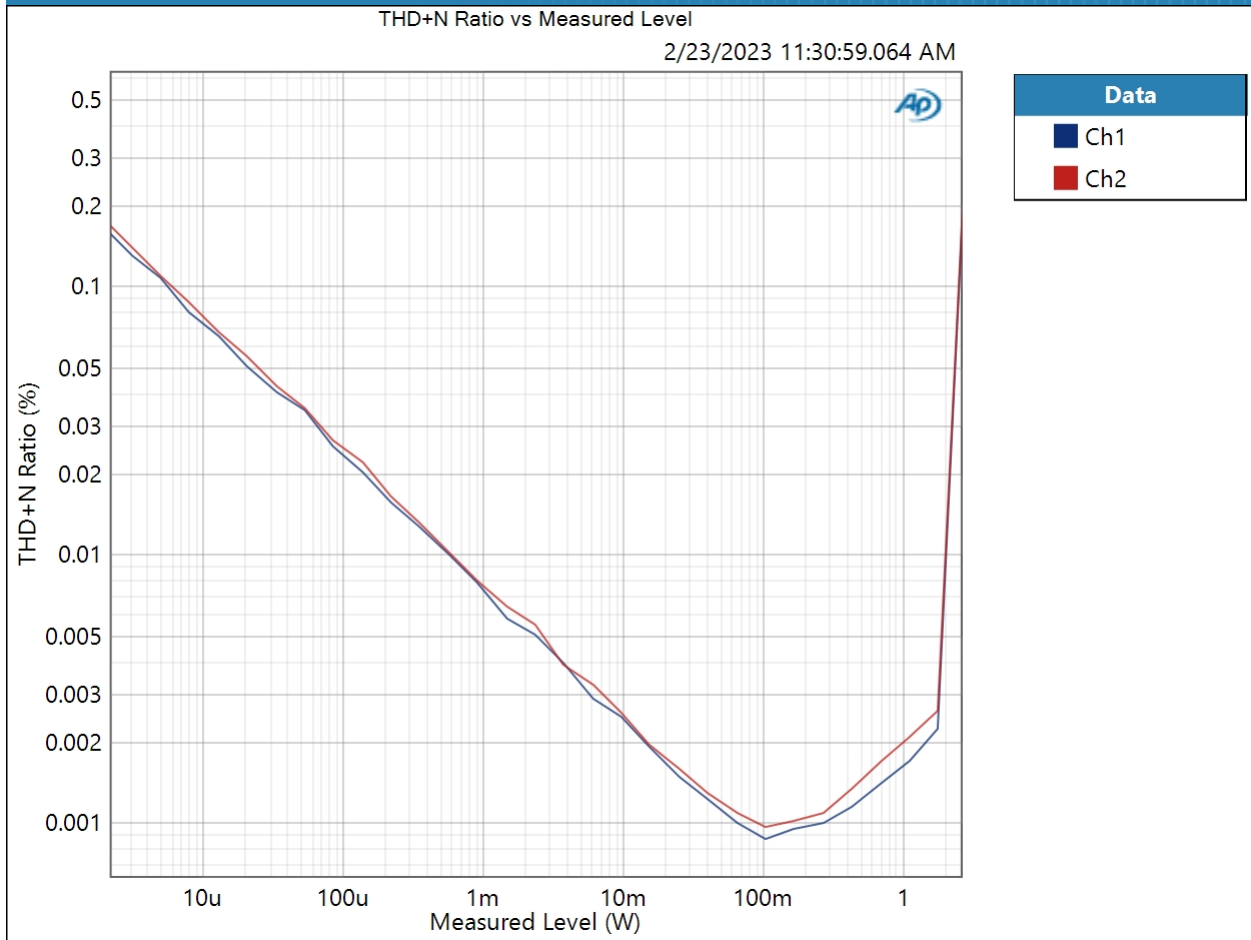
Ch1 -88.749 dB

Ch2 -87.815 dB

8 Ohm Stereo : Stepped Level Sweep

Waveform: Sine
Frequency: 1.00000 kHz
Start Level: 1.000 mVrms
Stop Level: 1.200 Vrms
Step Type: Logarithmic
Number of Points: 31
Offset: 0.000 V
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 2/23/2023 11:30:59 AM

THD+N Ratio vs Measured Level (2/23/2023 11:30:59.064 AM)



Result: PASSED

4 Ohm Stereo : Signal Path Setup

Output Connector:	Analog Unbalanced
Channels:	2
Source Impedance:	20 ohm
Auto Range:	Enabled
Output EQ:	None
Input 1:	Analog Balanced
Input Bandwidth:	AC (<10 Hz) - 22.4k (48 kHz SR)
Input EQ:	None
Channels:	2
Termination:	200 kohm
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	100.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	8.000 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	100.0 mVrms
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):	4.000 ohm
• DCX	
DCX is not detected.	

4 Ohm Stereo : Level and Gain

Waveform: Sine
Generator Level: 255.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (2/23/2023 11:32:08.212 AM)

Ch1 0.998 Vrms
Ch2 0.997 Vrms

4 Ohm Stereo : DC Level

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

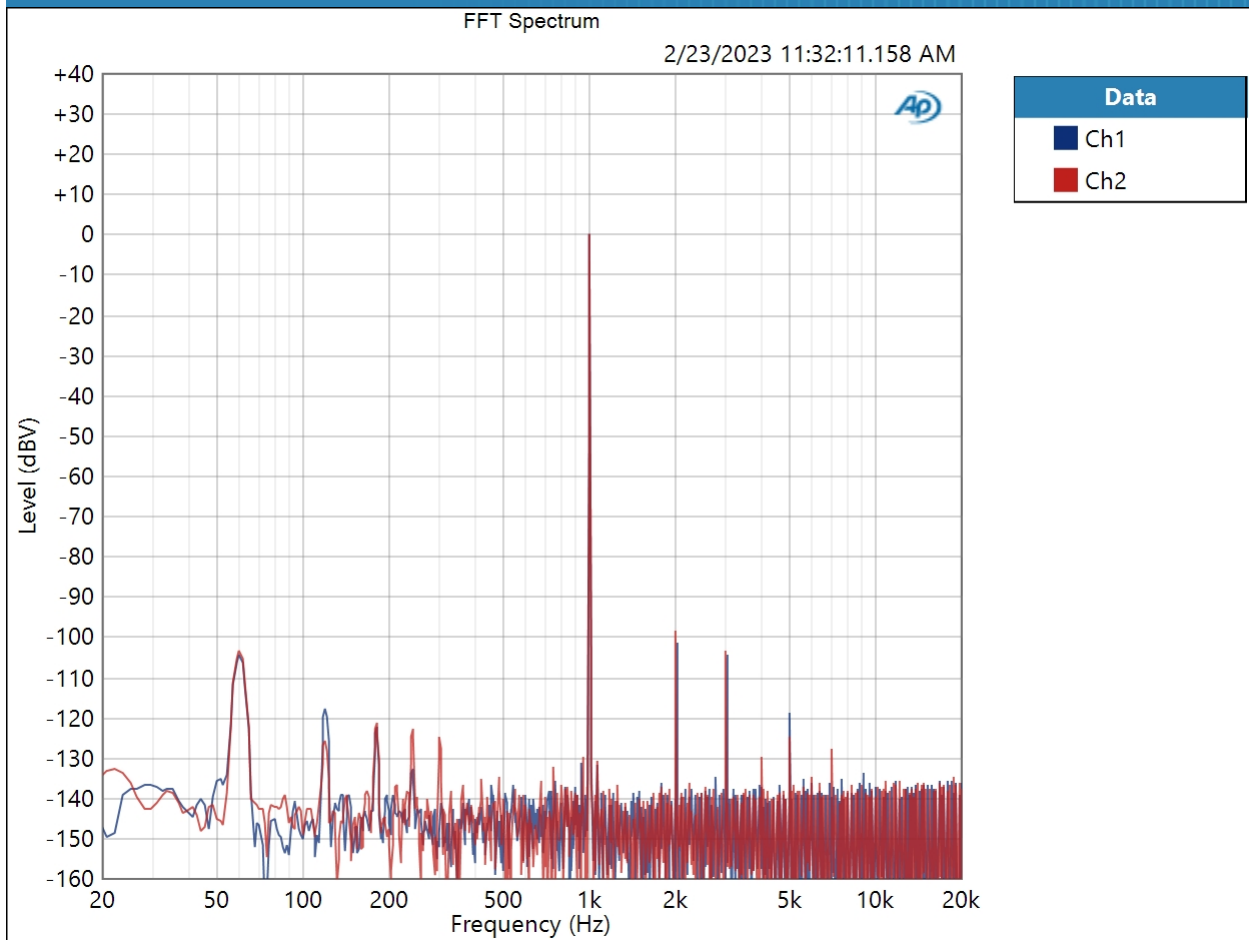
DC Level (2/23/2023 11:32:09.356 AM)

Ch1 -5.711 mV
Ch2 -4.167 mV

4 Ohm Stereo : Signal Analyzer

Waveform: Sine
Generator Level: 255.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 2/23/2023 11:32:11 AM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 32K
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (2/23/2023 11:32:11.158 AM)

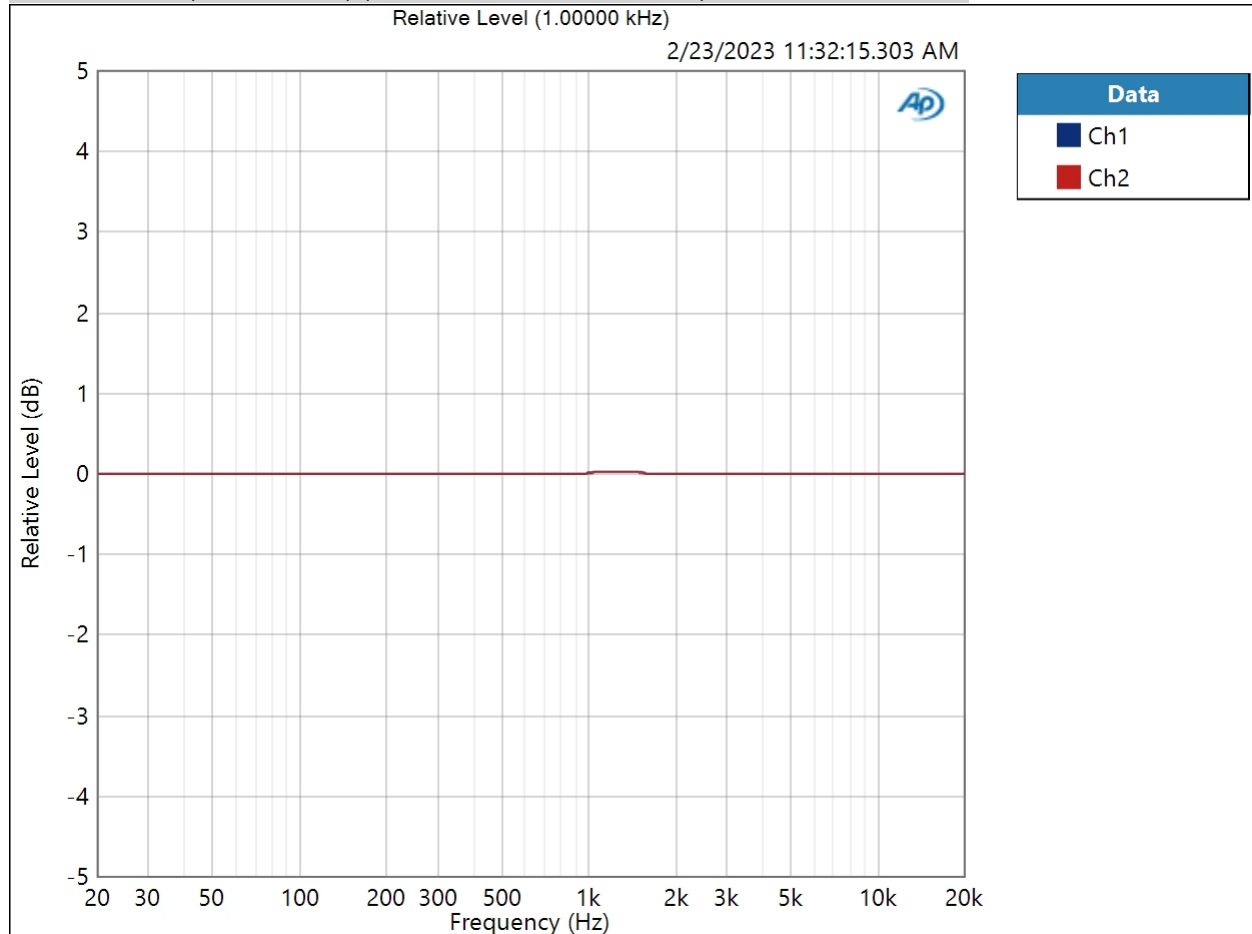


Result: PASSED

4 Ohm Stereo : Frequency Response

Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Generator Level: 255.0 mVrms
DC Offset: 0.000 V
EQ: None
Pre-Sweep: 100.0 ms
Sweep: 350.0 ms
Extend Acquisition By: 1.000 s
Secondary Source: None
Measured 1 2/23/2023 11:32:15 AM

Relative Level (1.00000 kHz) (2/23/2023 11:32:15.303 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) (2/23/2023 11:32:15.303 AM)

Ch1 ± 0.003 dB

Ch2 ± 0.004 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

4 Ohm Stereo : Signal to Noise Ratio

Waveform: Sine

Generator Level: 800.0 mVrms

DC Offset: 0.000 V

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 (2/23/2023 11:32:17.245 AM)

Ch1 120.515 dB

Ch2 120.439 dB

4 Ohm Stereo : THD+N

Waveform: Sine
 Generator Level: 255.0 mVrms
 DC Offset: 0.000 V
 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 (2/23/2023 11:32:19.349 AM)

Ch1 0.001313 %
 Ch2 0.001622 %

THD Ratio (2/23/2023 11:32:19.349 AM)

Ch1 0.001085 %
 Ch2 0.001402 %

Noise Ratio (2/23/2023 11:32:19.349 AM)

Ch1 0.000742 %
 Ch2 0.000814 %

Distortion Product Ratio (2/23/2023 11:32:19.349 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	-101.13	-104.12	-135.02	-118.73	-135.29	-133.79	-141.10	-130.88	-134.69
Ch2	-0.00	-98.20	-103.58	-133.53	-122.58	-132.56	-125.76	-136.97	-130.69	-133.69

Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1

Schiit Amp APx555 Standard Test: Rekr



4 Ohm Stereo : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: 255.0 mVrms

DC Offset: 0.000 V

Frequency: 10.0000 kHz

Crosstalk (2/23/2023 11:32:20.550 AM)

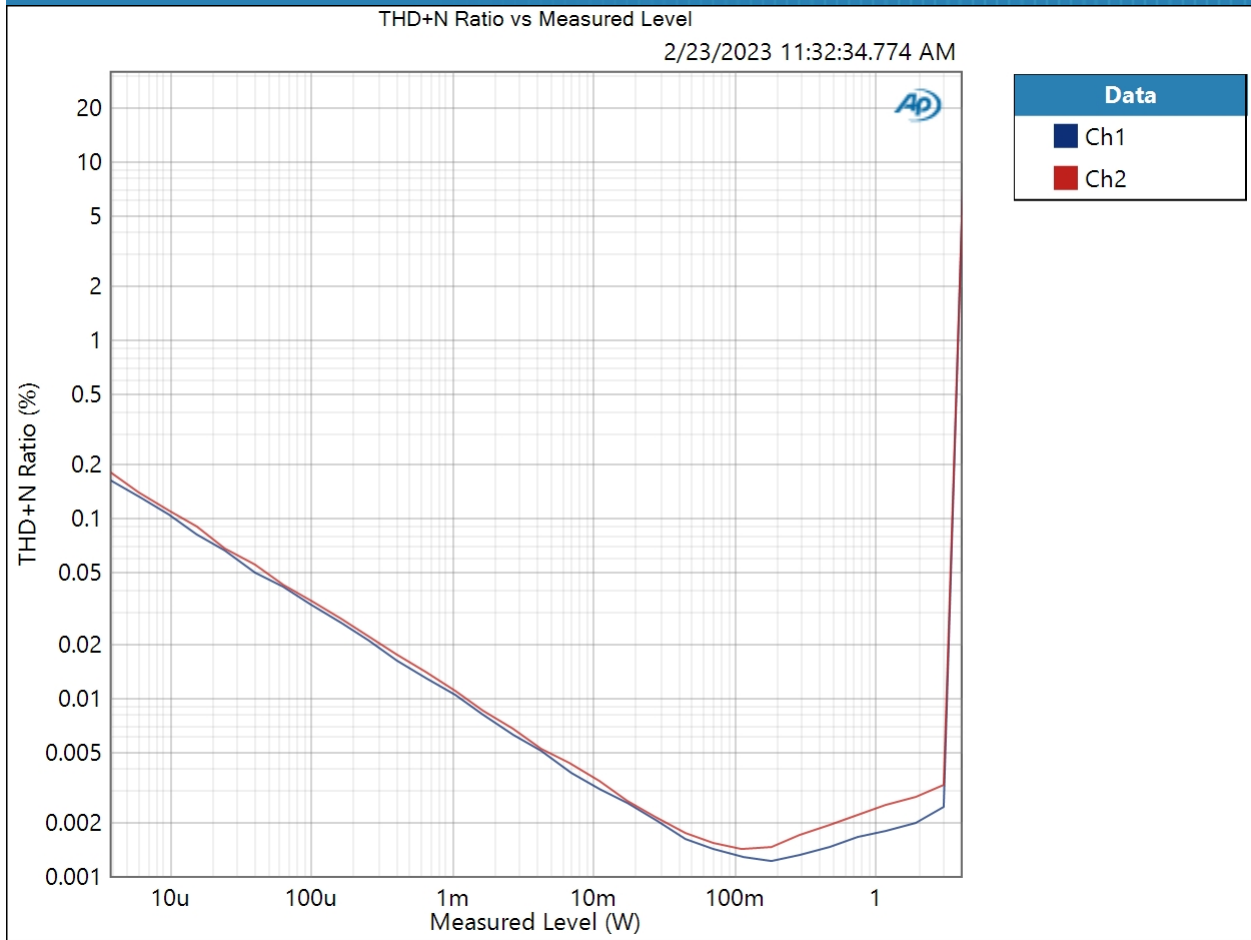
Ch1 -82.677 dB

Ch2 -81.908 dB

4 Ohm Stereo : Stepped Level Sweep

Waveform: Sine
Frequency: 1.00000 kHz
Start Level: 1.000 mVrms
Stop Level: 1.100 Vrms
Step Type: Logarithmic
Number of Points: 31
Offset: 0.000 V
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 2/23/2023 11:32:34 AM

THD+N Ratio vs Measured Level (2/23/2023 11:32:34.774 AM)



Result: PASSED

8 Ohm Mono : Signal Path Setup

Output Connector:	Analog Unbalanced
Channels:	2
Source Impedance:	20 ohm
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:	1
Channel:	Ch1
Termination:	200 kohm
Input 2:	None
Device Delay:	0.000 s

• References

dBr G:	100.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	8.000 ohm
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.

8 Ohm Mono : Level and Gain

Waveform: Sine
Generator Level: 128.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: Signal Path

RMS Level (2/23/2023 11:34:33.509 AM)

Ch1 1.001 Vrms

8 Ohm Mono : DC Level

Waveform: Sine
Generator Level: 0.000 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Delay Time: 100.0 ms
Acquisition Time: 333.0 ms

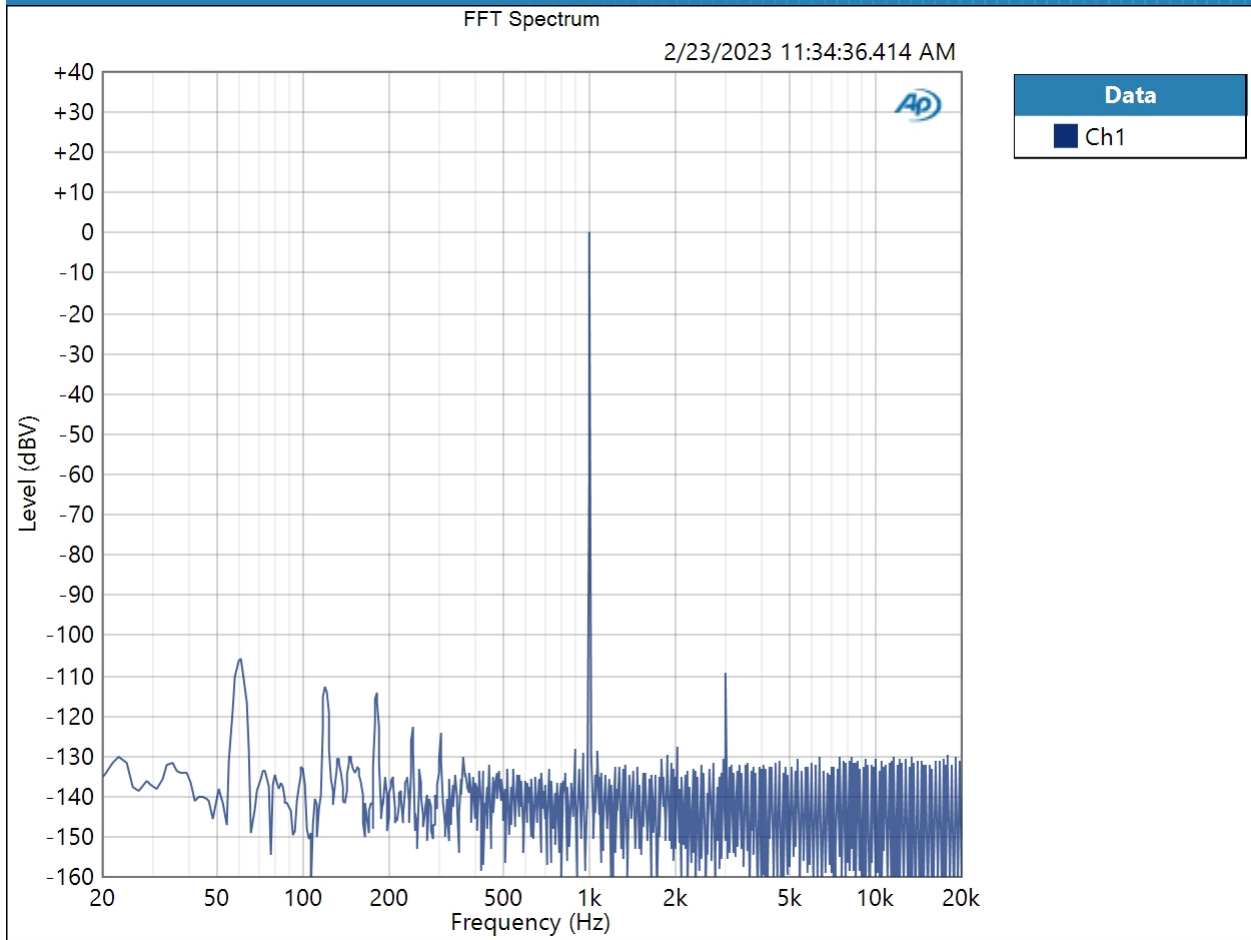
DC Level (2/23/2023 11:34:34.608 AM)

Ch1 -866.7 uV

8 Ohm Mono : Signal Analyzer

Waveform: Sine
Generator Level: 127.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1: 2/23/2023 11:34:36 AM
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 32K
Averaging: Power
Averages: 1
Window: AP-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (2/23/2023 11:34:36.414 AM)



Result: PASSED

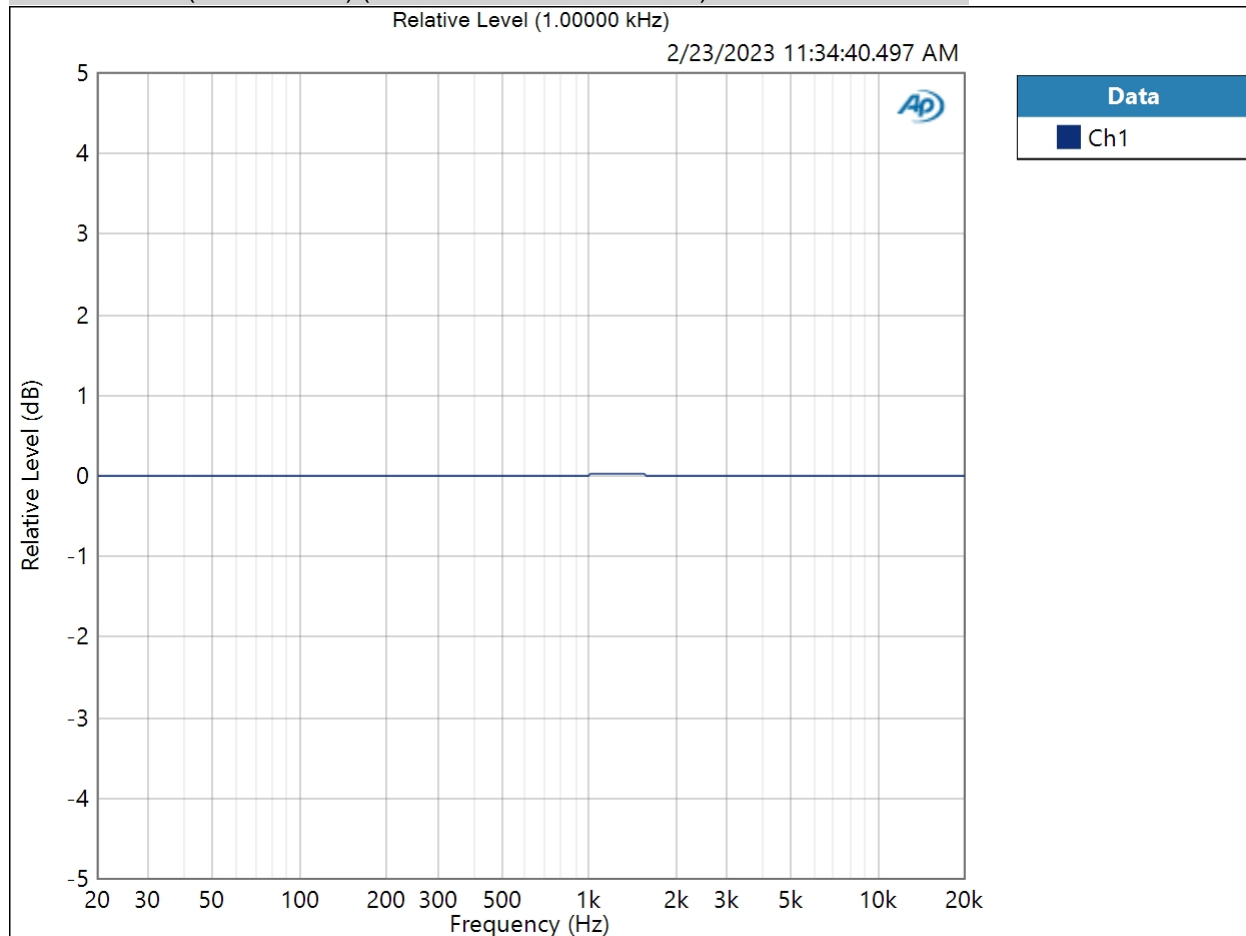
Schiit Amp APx555 Standard Test: Rekr



8 Ohm Mono : Frequency Response

Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Generator Level: 127.0 mVrms
DC Offset: 0.000 V
EQ: None
Pre-Sweep: 100.0 ms
Sweep: 350.0 ms
Extend Acquisition By: 1.000 s
Secondary Source: None
Measured 1 2/23/2023 11:34:40 AM

Relative Level (1.00000 kHz) (2/23/2023 11:34:40.497 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) (2/23/2023 11:34:40.497 AM)

Ch1 ± 0.010 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

8 Ohm Mono : Signal to Noise Ratio

Waveform: Sine

Generator Level: 800.0 mVrms

DC Offset: 0.000 V

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 (2/23/2023 11:34:42.460 AM)

Ch1 119.389 dB

8 Ohm Mono : THD+N

Waveform: Sine
 Generator Level: 127.0 mVrms
 DC Offset: 0.000 V
 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 (2/23/2023 11:34:44.549 AM)

Ch1 0.001114 %

THD Ratio (2/23/2023 11:34:44.549 AM)

Ch1 0.000377 %

Noise Ratio (2/23/2023 11:34:44.549 AM)

Ch1 0.001040 %

Distortion Product Ratio (2/23/2023 11:34:44.549 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	-123.03	-109.32	-131.24	-128.36	-128.47	-127.88	-128.72	-129.37	-129.71

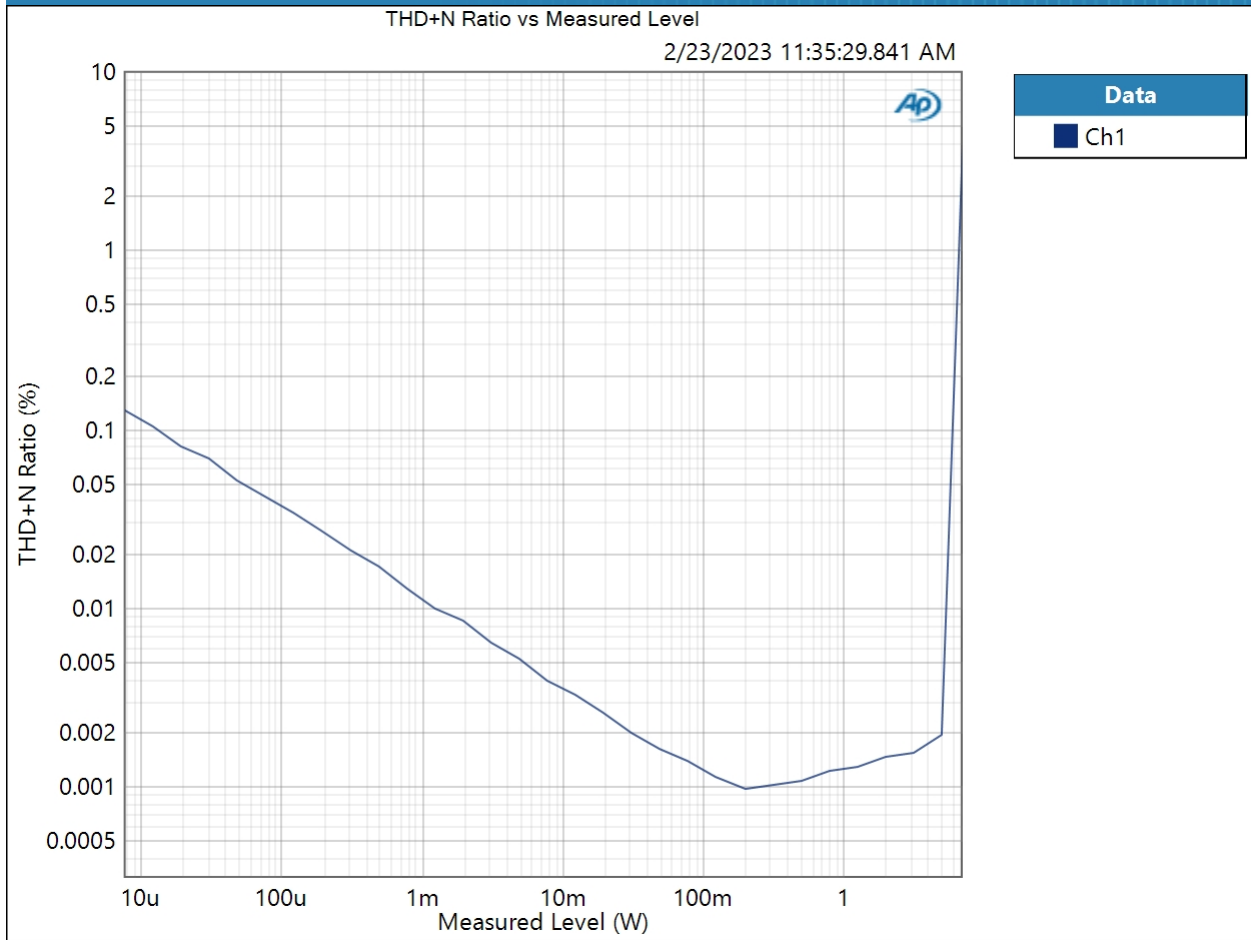
Distortion Product Ratio Parameters

Frequency Unit: Hz
 Ratio Unit: dB
 Channel: Ch1

8 Ohm Mono : Stepped Level Sweep

Waveform: Sine
Frequency: 1.00000 kHz
Start Level: 1.000 mVrms
Stop Level: 1.000 Vrms
Step Type: Logarithmic
Number of Points: 31
Offset: 0.000 V
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 2/23/2023 11:35:29 AM

THD+N Ratio vs Measured Level (2/23/2023 11:35:29.841 AM)



Result: ✔ PASSED