

## Schiit Amp APx555 Standard Test Suite: Kraken



### 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](mailto:info@schiiit.com) so we can have a look.

### Summary

#### 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

#### Sequence Result:

Sequence Result: ✓ PASSED

#### APx Instrument

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

## Stereo : Signal Path Setup

Output Connector:	Analog Unbalanced
Channels:	2
Source Impedance:	20 ohm
Auto Range:	Enabled
Output EQ:	None
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) - 20 kHz (44.1 kHz SR)
Input EQ:	None
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.	

Stereo : Level and Gain

Waveform: Sine  
Generator Level: 71.00 mVrms  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Low-pass Filter: Signal Path

RMS Level (6/12/2024 10:59:11.324 AM)

Ch1 712.1 mVrms  
Ch2 714.0 mVrms

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

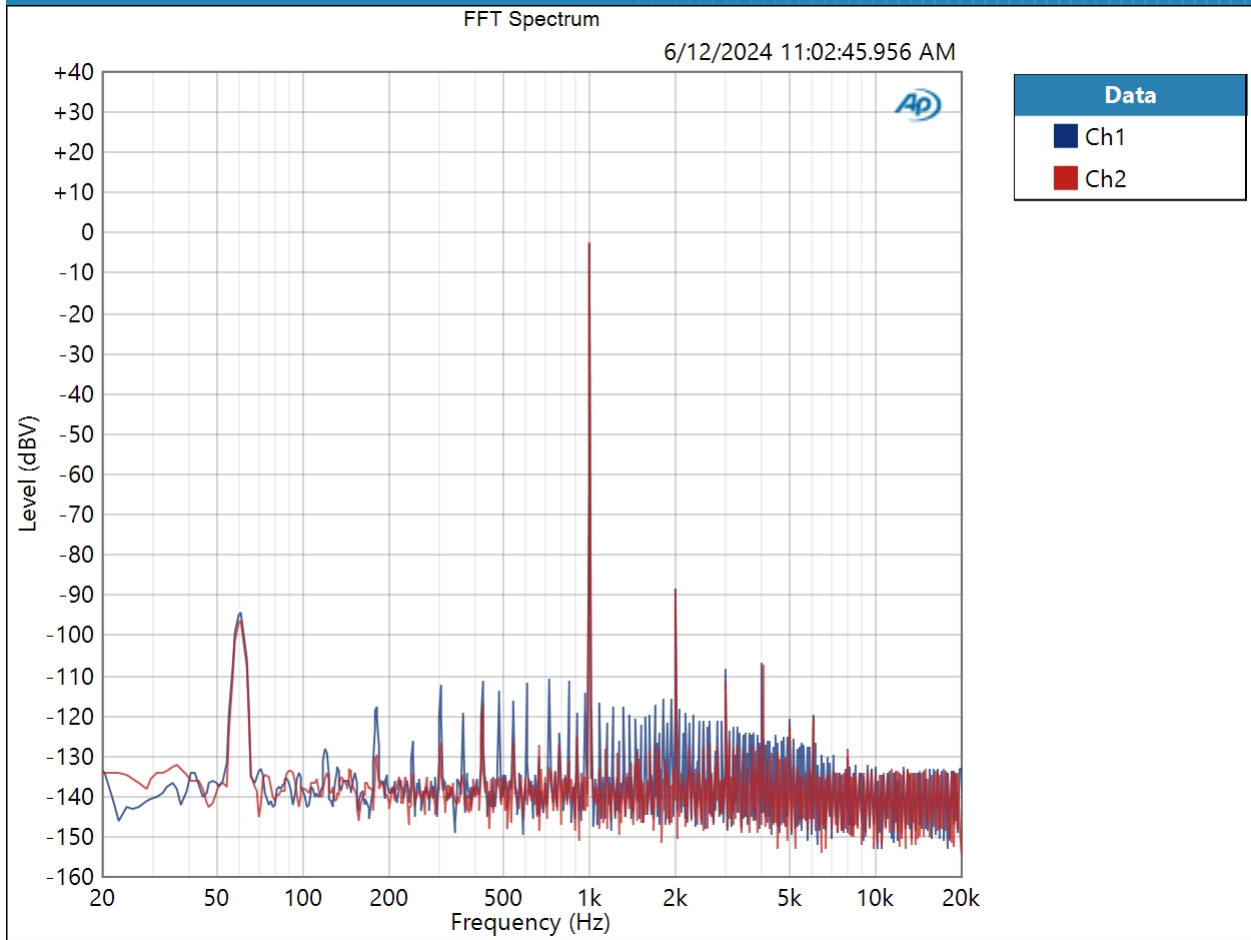
DC Level (6/12/2024 10:59:12.498 AM)

Ch1 -1.320 mV  
Ch2 154.7 uV

Stereo : Signal Analyzer

Waveform: Sine  
Generator Level: 71.00 mVrms  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Secondary Source: None  
Measured 1 6/12/2024 11:02:45 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 (6/12/2024 11:02:45.956 AM)

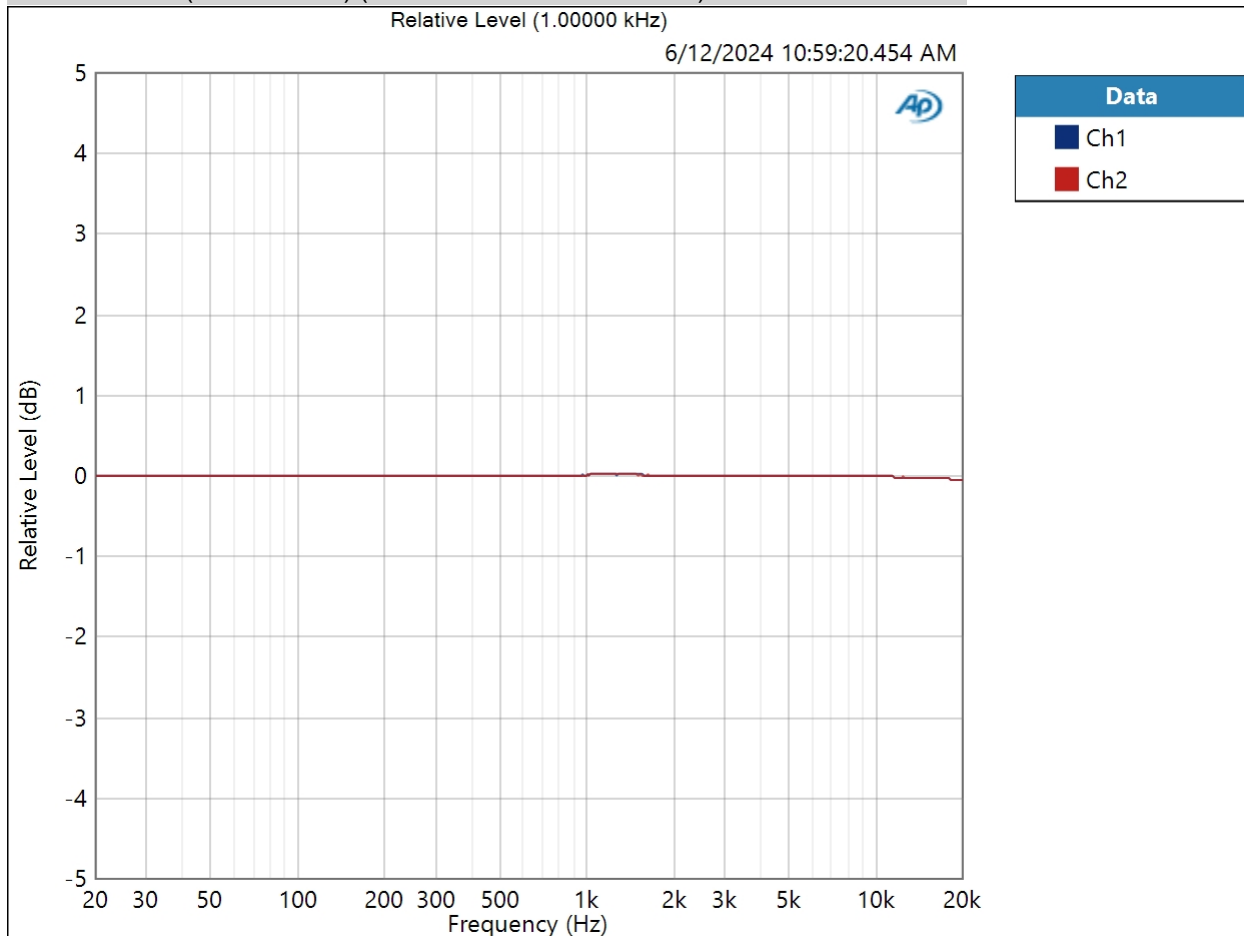


Result: PASSED

## Stereo : Frequency Response

Start Frequency: 20.0000 Hz  
Stop Frequency: 20.0000 kHz  
Generator Level: 71.00 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 6/12/2024 10:59:20 AM

## Relative Level (1.00000 kHz) (6/12/2024 10:59:20.454 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) (6/12/2024 10:59:20.454 AM)

Ch1  $\pm 0.037$  dB

Ch2  $\pm 0.037$  dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

Stereo : Signal to Noise Ratio

Waveform: Sine  
Generator Level: 1.300 Vrms  
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 (6/12/2024 11:02:10.966 AM)

Ch1 121.513 dB

Ch2 125.241 dB

Stereo : THD+N

Waveform: Sine  
 Generator Level: 71.00 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 (6/12/2024 10:59:24.495 AM)

Ch1 0.005627 %  
 Ch2 0.005492 %

THD Ratio (6/12/2024 10:59:24.495 AM)

Ch1 0.005201 %  
 Ch2 0.005120 %

Noise Ratio (6/12/2024 10:59:24.495 AM)

Ch1 0.002029 %  
 Ch2 0.001904 %

Distortion Product Ratio (6/12/2024 10:59:24.495 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	-85.77	-109.68	-104.37	-120.51	-116.72	-125.19	-126.42	-120.28	-128.78
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-85.91	-108.49	-104.60	-119.26	-116.48	-124.27	-123.01	-130.75	-124.36

Distortion Product Ratio Parameters

Frequency Unit: Hz  
 Ratio Unit: dB  
 Channel: Ch1



Stereo : Crosstalk, One Channel Undriven

Waveform: Sine

Generator Level: 71.00 mVrms

DC Offset: 0.000 V

Frequency: 10.0000 kHz

Crosstalk (6/12/2024 11:00:38.938 AM)

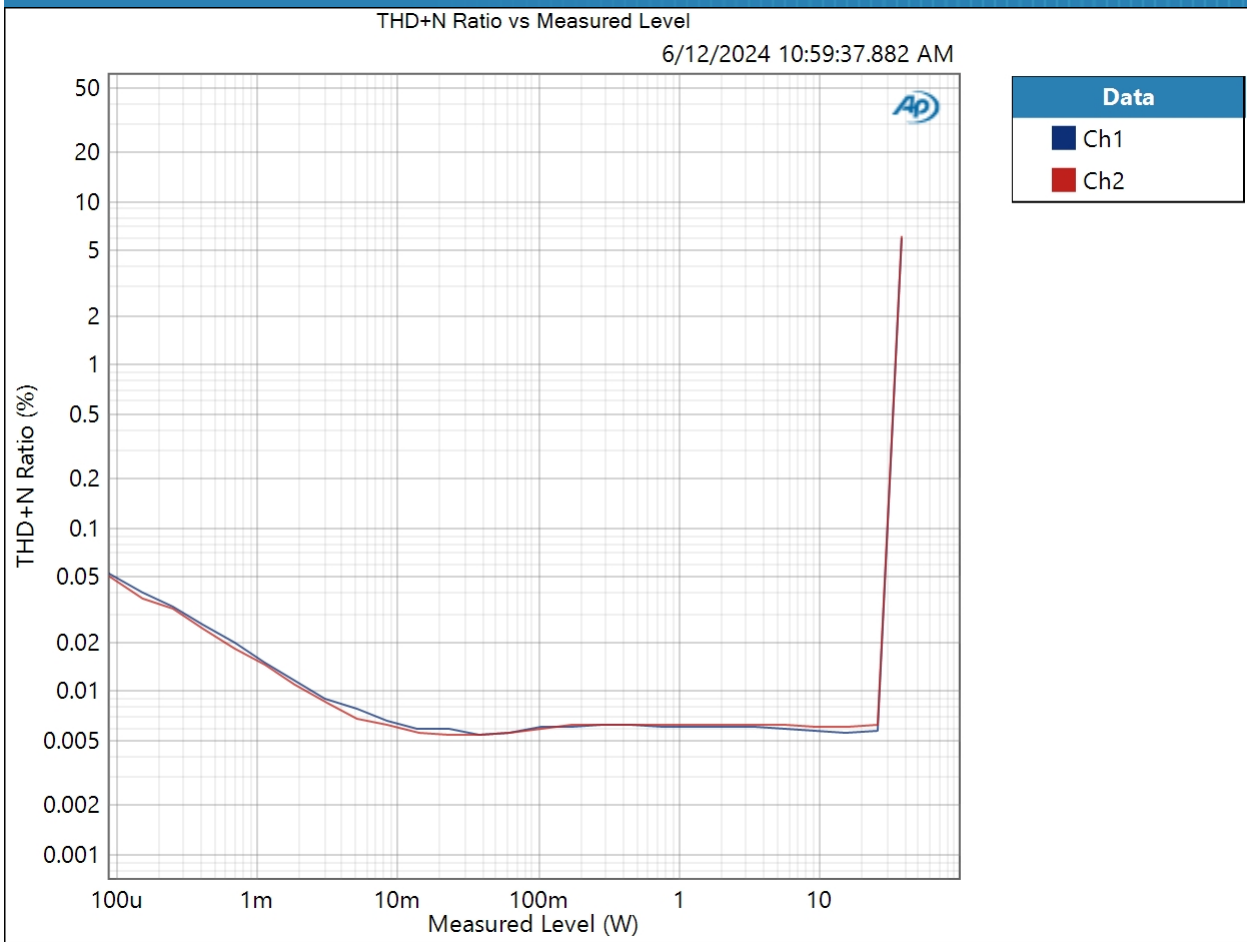
Ch1 82.218 dB

Ch2 77.367 dB

Stereo : Stepped Level Sweep

Waveform: Sine  
Frequency: 1.00000 kHz  
Start Level: 1.000 mVrms  
Stop Level: 1.800 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 6/12/2024 10:59:37 AM

THD+N Ratio vs Measured Level (6/12/2024 10:59:37.882 AM)



Result: PASSED