

Sequence Report



Summary

Signal Path1

Signal Path Setup	✓ PASSED
Level and Gain	✓ PASSED
THD+N	✓ PASSED
Frequency Response	✓ PASSED
Stepped Frequency Sweep	✓ PASSED
Signal to Noise Ratio	✓ PASSED
Crosstalk, One Channel Undriven	✓ PASSED
Interchannel Phase	✓ PASSED
Signal Analyzer	✓ PASSED
Acoustic Response	✓ PASSED
Noise (RMS)	✓ PASSED
Noise Recorder (RMS)	✓ PASSED
Stepped Level Sweep	✓ PASSED
Stepped Frequency Sweep	✓ PASSED

Sequence Result:

Sequence Result: ✓ PASSED

Signal Path1 : Signal Path Setup

Output Connector:	ASIO
Asio Device:	XMOS USB Audio Device
Scaling Mode:	Digital
Output Sample Rate:	48.0000 kHz
Output Latency:	Auto
Buffer Size:	512
Clock Source:	Computer
Input 1:	Analog Unbalanced
Input Bandwidth:	AC (<10 Hz) - 90k (192 kHz SR)
Input EQ:	None
Channels:	2
Termination:	600 ohm
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):	66.00 ohm

• DCX

DCX is not detected.

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Signal Path1 : Verify Connections

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

RMS Level (2025/3/22 20:45:19.033)

Ch1 1.008 Vrms
Ch2 0.998 Vrms

Gain (2025/3/22 20:45:19.033)

Ch1 +0.069
dB(Vrms/FS)
Ch2 -0.021
dB(Vrms/FS)

THD+N Ratio (2025/3/22 20:45:19.033)

Ch1 0.032539 %
Ch2 0.028519 %

Signal Path1 : 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 (2025/3/22 20:45:20.763)

Ch1 1.008 Vrms
Ch2 0.998 Vrms

Gain (2025/3/22 20:45:20.763)

Ch1 +0.069
dB(Vrms/FS)
Ch2 -0.021
dB(Vrms/FS)

Peak Level (2025/3/22 20:45:20.763)

Ch1 1.429 V
Ch2 1.414 V

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Signal Path1 : 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: CCIR-1k
Notch Tuning Mode: Measured Frequency

THD+N Ratio (2025/3/22 20:45:22.595)

Ch1 0.048664 %
Ch2 0.021597 %

THD+N Level (2025/3/22 20:45:22.595)

Ch1 489.0 uVrms
Ch2 214.8 uVrms

THD Ratio (2025/3/22 20:45:22.595)

Ch1 0.048077 %
Ch2 0.021130 %

THD Level (2025/3/22 20:45:22.595)

Ch1 484.6 uVrms
Ch2 210.8 uVrms

Noise Ratio (2025/3/22 20:45:22.595)

Ch1 0.006316 %
Ch2 0.004641 %

Noise Level (2025/3/22 20:45:22.595)

Ch1 63.67 uVrms
Ch2 46.30 uVrms

Distortion Product Ratio (2025/3/22 20:45:22.595)

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	8.001k	9.001k	10.00k
Ch1	-0.00	-79.26	-68.95	-89.67	-71.20	-99.30	-88.04	-87.68	-79.50	-98.76
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.001k	9.001k	10.00k
Ch2	-0.00	-73.70	-88.21	-110.04	-102.40	-104.84	-95.44	-110.28	-106.62	-113.63

Distortion Product Ratio Parameters

Frequency Unit: Hz
Ratio Unit: dB

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Channel: Ch1

Distortion Product Level (2025/3/22 20:45:22.595)

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	8.001k	9.001k	10.00k
Ch1	1.008	109.8 u	359.8 u	33.13 u	277.5 u	10.93 u	39.92 u	41.64 u	106.8 u	11.62 u
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.001k	9.001k	10.00k
Ch2	0.998	206.2 u	38.77 u	3.140 u	7.570 u	5.717 u	16.87 u	3.054 u	4.655 u	2.078 u

Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: Vrms

Channel: Ch1

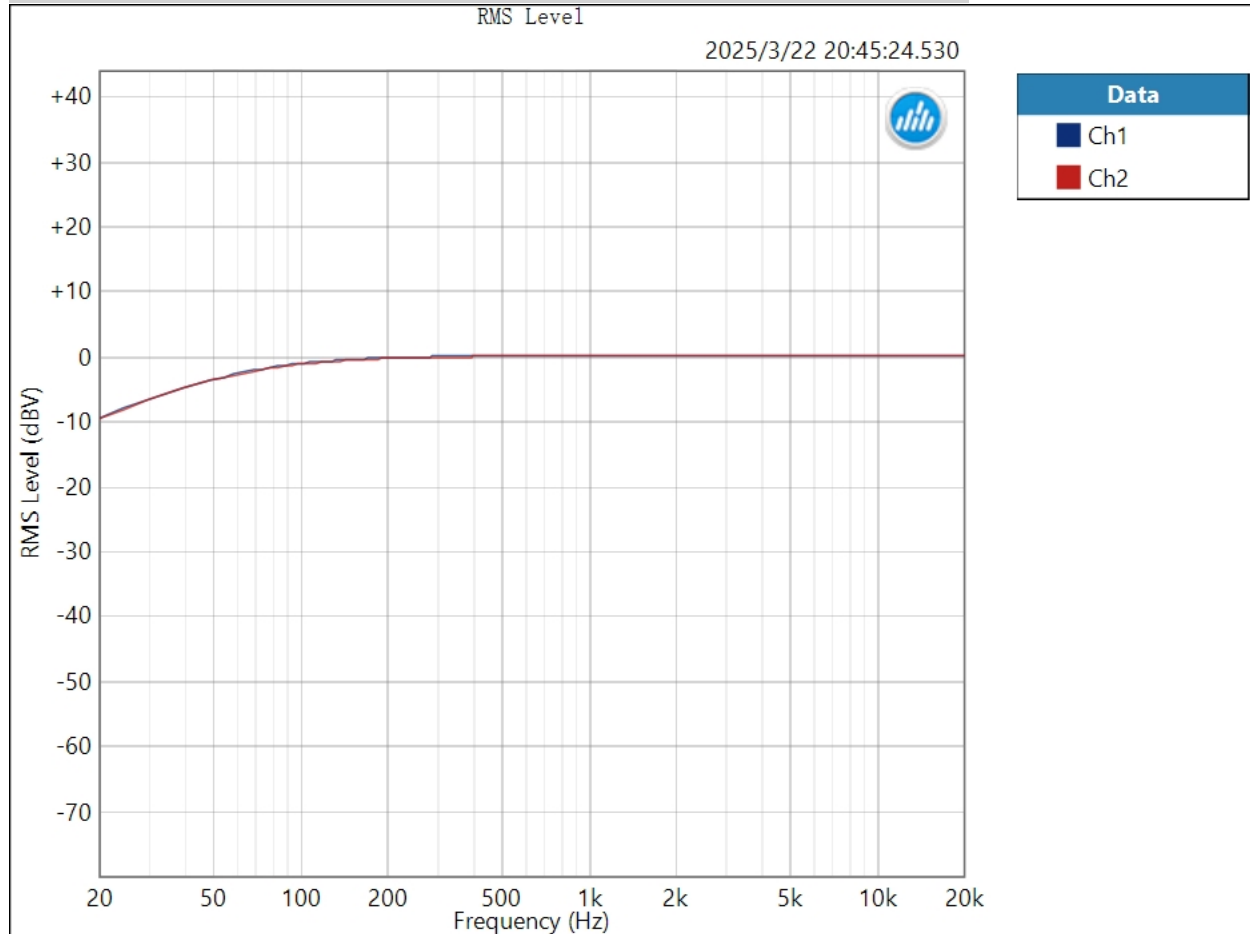
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Signal Path1 : Frequency Response

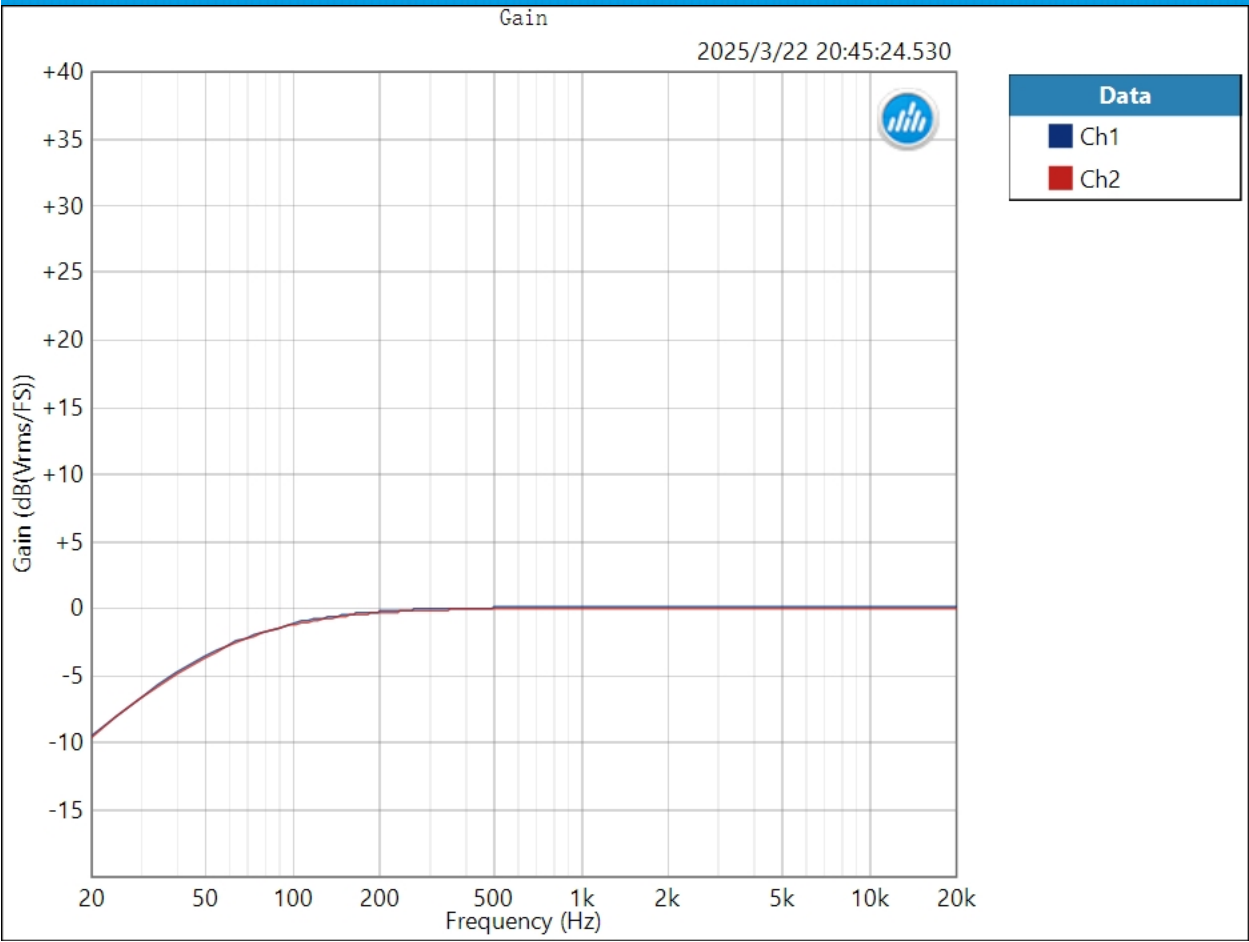
Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
EQ: None
Pre-Sweep: 0.000 s
Sweep: 350.0 ms
Extend Acquisition By: 50.00 ms
Secondary Source: None
Measured 1 2025/3/22 20:45:24

RMS Level (2025/3/22 20:45:24.530)



Result: PASSED

Gain (2025/3/22 20:45:24.530)



Result:  PASSED

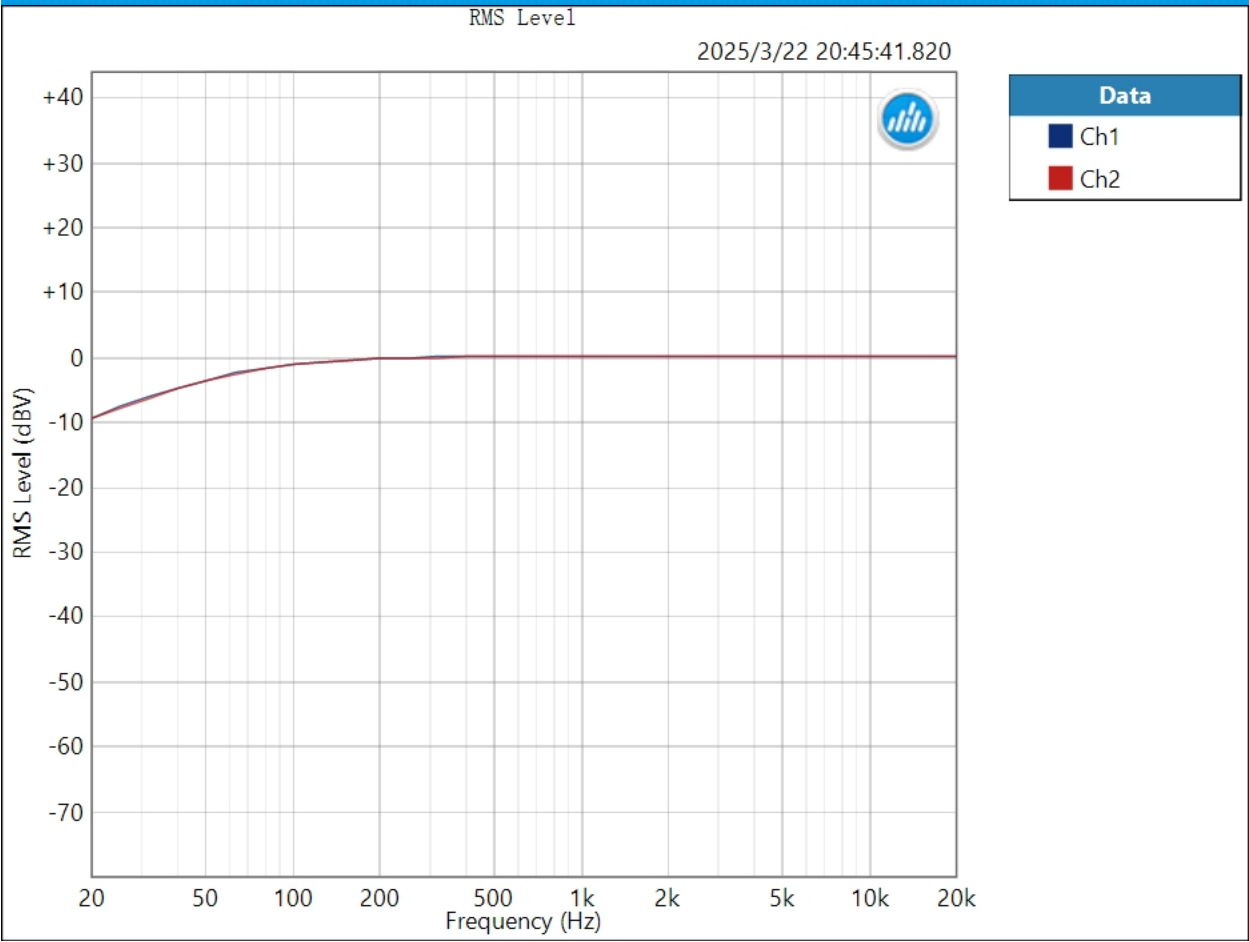
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Signal Path1 : Stepped Frequency Sweep

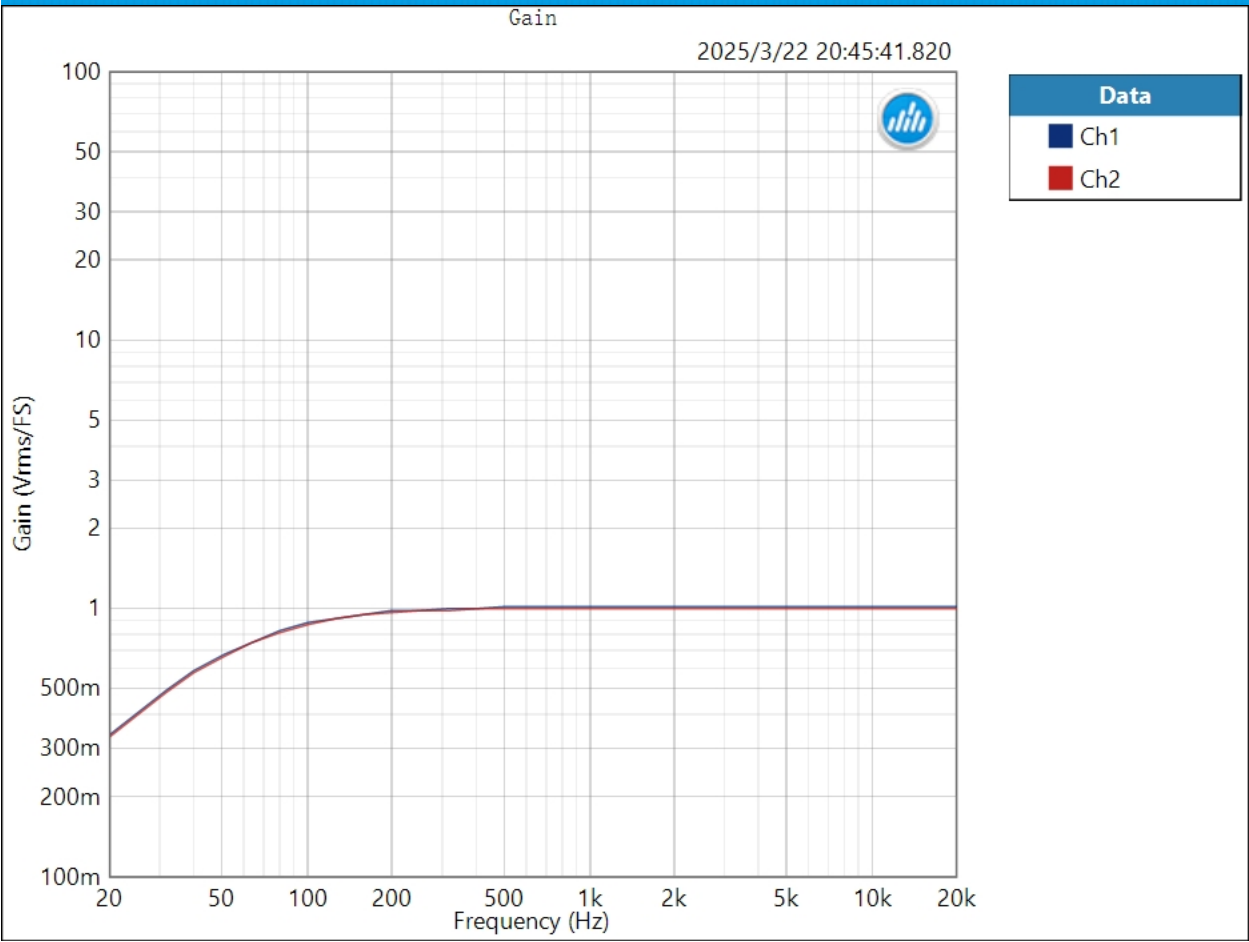
Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
EQ: None
Start Frequency: 20.0000 kHz
Stop Frequency: 20.0000 Hz
Step Type: Logarithmic
Number of Points: 31
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Signal Path
Weighting Filter: A-wt.
Phase Ref Channel: Ch1
Measured 1 2025/3/22 20:45:41

RMS Level (2025/3/22 20:45:41.820)



Result:  PASSED

Gain (2025/3/22 20:45:41.820)



Result:  PASSED

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Signal Path1 : 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 (2025/3/22 20:45:44.114)

Ch1 99.381 dB

Ch2 99.637 dB

Signal Path1 : Crosstalk, One Channel Undriven

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

Crosstalk (2025/3/22 20:45:45.367)

Ch1 54.082 dB

Ch2 53.090 dB

Signal Path1 : Interchannel Phase

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Reference Channel: Ch1
Meter Range: -90 -> 270 deg

Phase (2025/3/22 20:45:46.865)

Ch1 ---- deg

Ch2 +0.013 deg

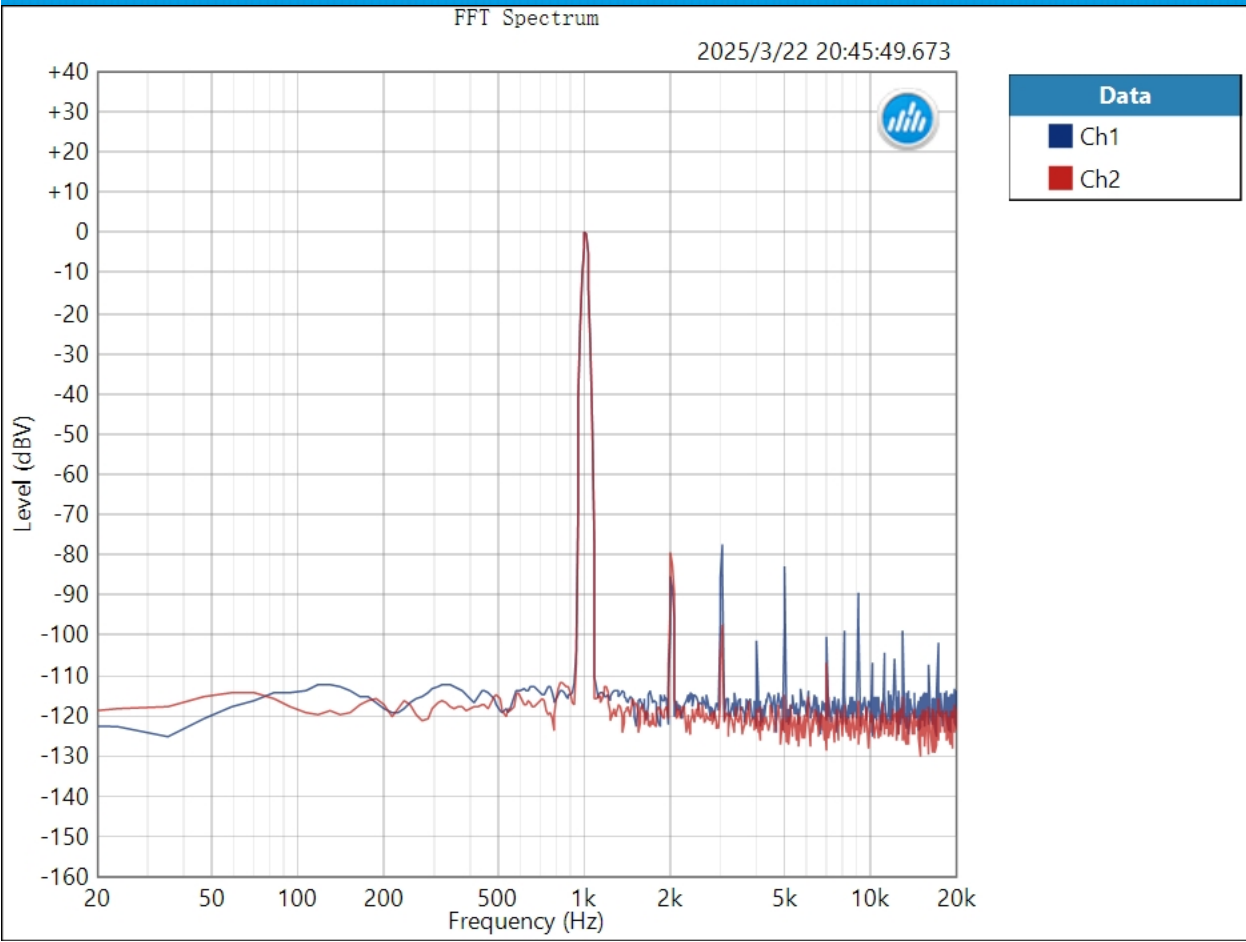
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Signal Path1 : Signal Analyzer

Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
Frequency: 1.00000 kHz
Secondary Source: None
Measured 1 2025/3/22 20:45:49
Acquisition Type: Auto
Trigger: Free Run
Delay Time: 250.0 ms
Input Bandwidth: Use Signal Path
FFT Length: 16K
Averaging: Power
Averages: 5
Window: ATC-Equiripple
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (2025/3/22 20:45:49.673)



Result:  PASSED

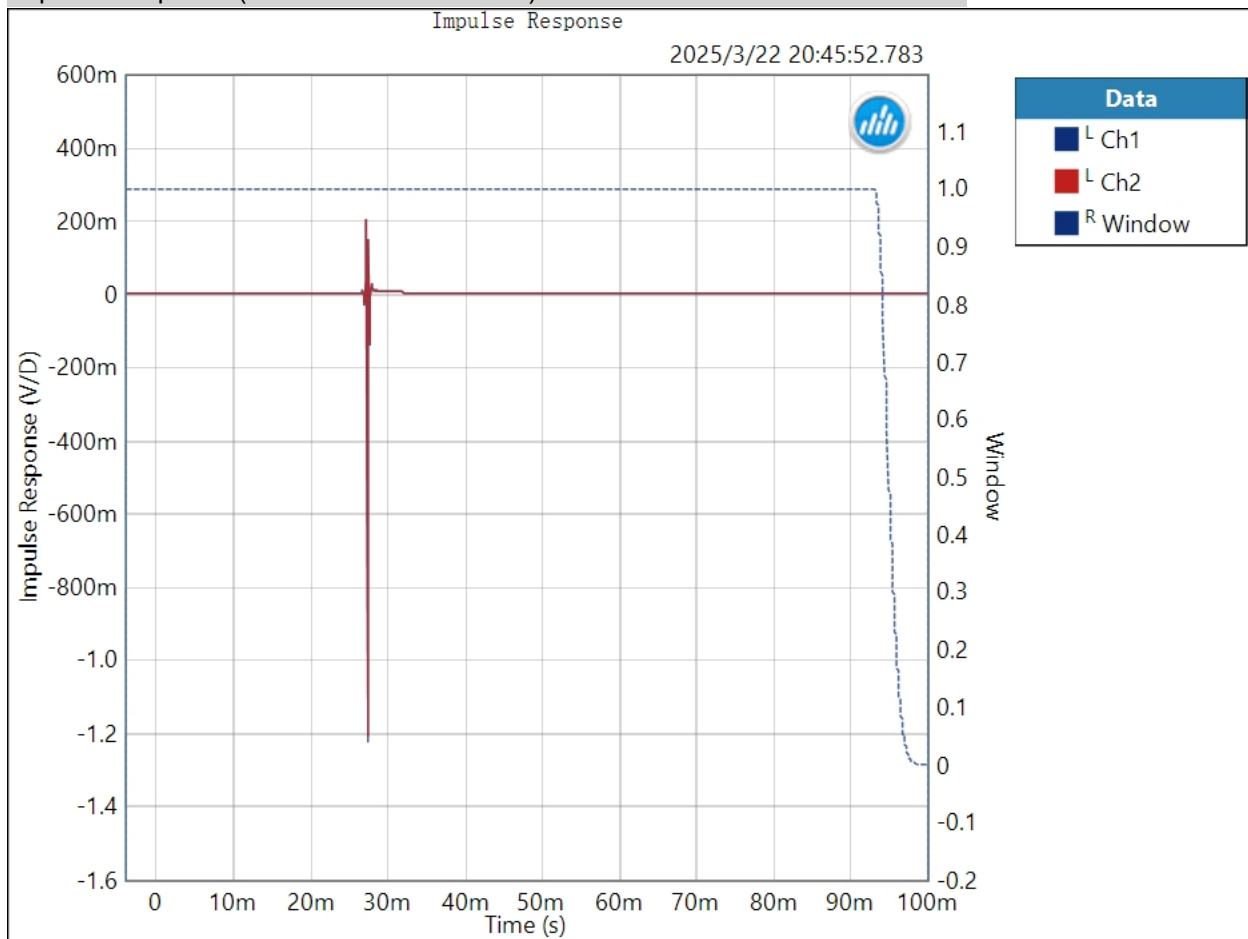
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Signal Path1 : Acoustic Response

Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
EQ: None
Pre-Sweep: 0.000 s
Sweep: 350.0 ms
Measured 1 2025/3/22 20:45:52
Averages: 1
Extend Acquisition By: 50.00 ms
Secondary Source: None

Impulse Response (2025/3/22 20:45:52.783)



Impulse Response Parameters

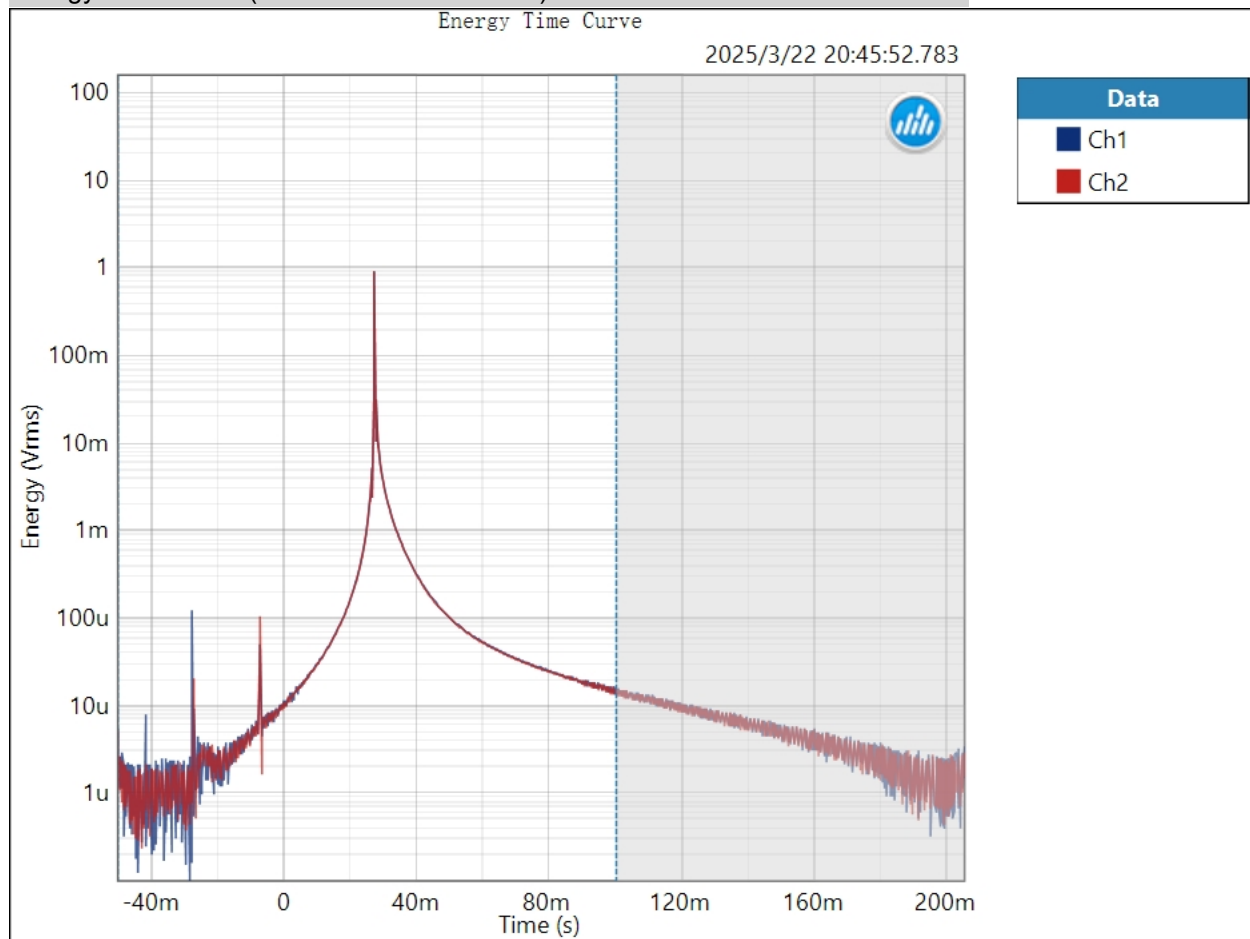
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Auto Window Start True
Window End: 100.0 ms
Taper Type: ATC-Equiripple
Time Window: Track Peak
Taper Start: 10.000 %
Taper End: 10.000 %

Result: PASSED

Energy Time Curve (2025/3/22 20:45:52.783)

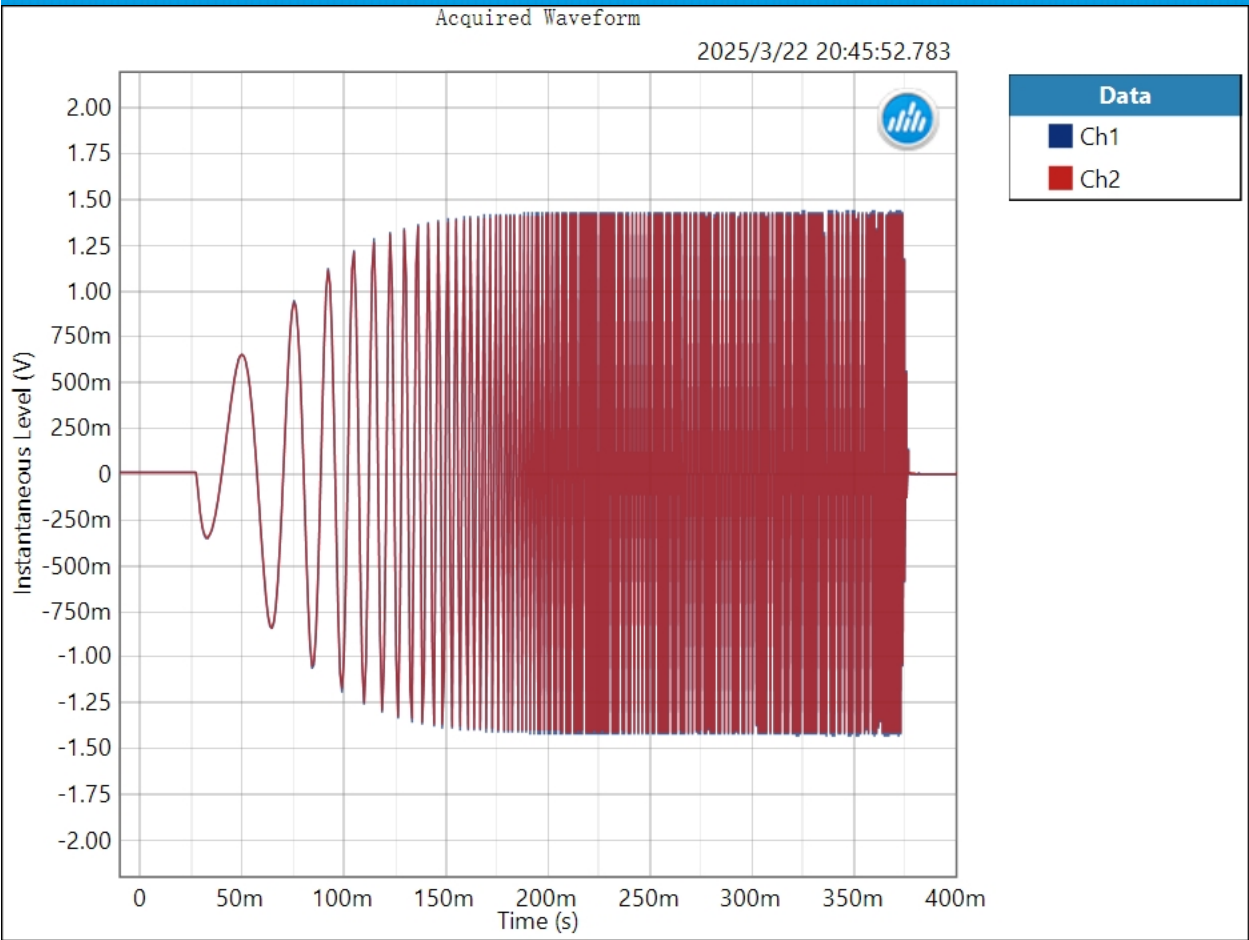


Energy Time Curve Parameters

Auto Window Start True
Window End: 100.0 ms

Result: PASSED

Acquired Waveform (2025/3/22 20:45:52.783)



Acquired Waveform Parameters

Interpolated: On

Result:  PASSED

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Signal Path1 : Noise (RMS)

Waveform:	None
High-pass Filter:	Elliptic
High-pass Frequency:	20 Hz
Low-pass Filter:	Elliptic
Low-pass Frequency:	20 kHz
Weighting Filter:	A-wt.
Acquisition Time:	250.0 ms
Delay Time:	300.0 ms

Noise Level (2025/3/22 20:45:54.571)

Ch1	-99.525 dBV
Ch2	-99.480 dBV

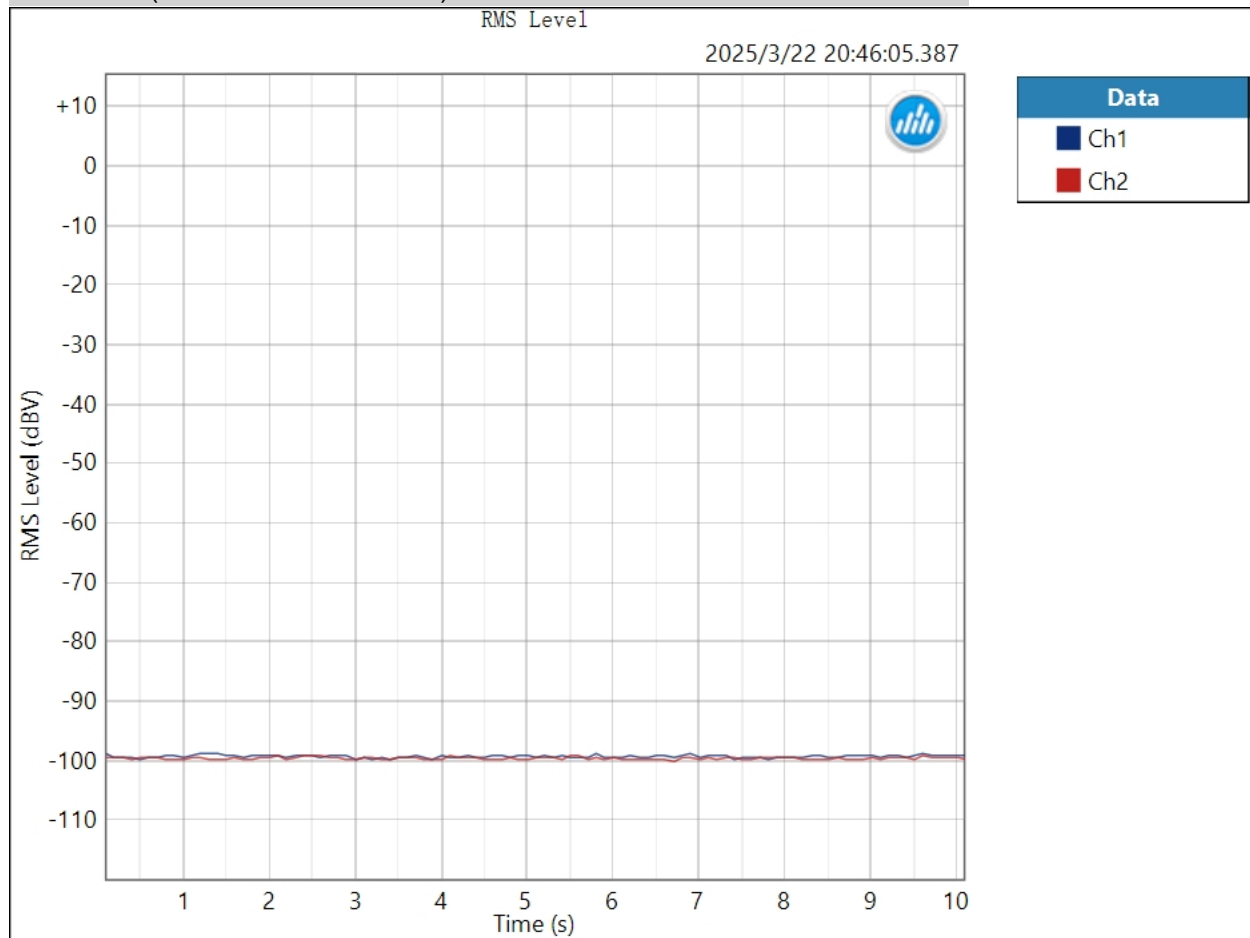
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Signal Path1 : Noise Recorder (RMS)

Waveform: None
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: A-wt.
Sweep Time: 0.00:00:10.000
Reading Rate: 10/sec
Input Bandwidth: Use Signal Path
Record Acquisition: False
Recording Type: Multiple Mono PCM (.wav)
Measured 1 2025/3/22 20:46:05

RMS Level (2025/3/22 20:46:05.387)



Result:  PASSED

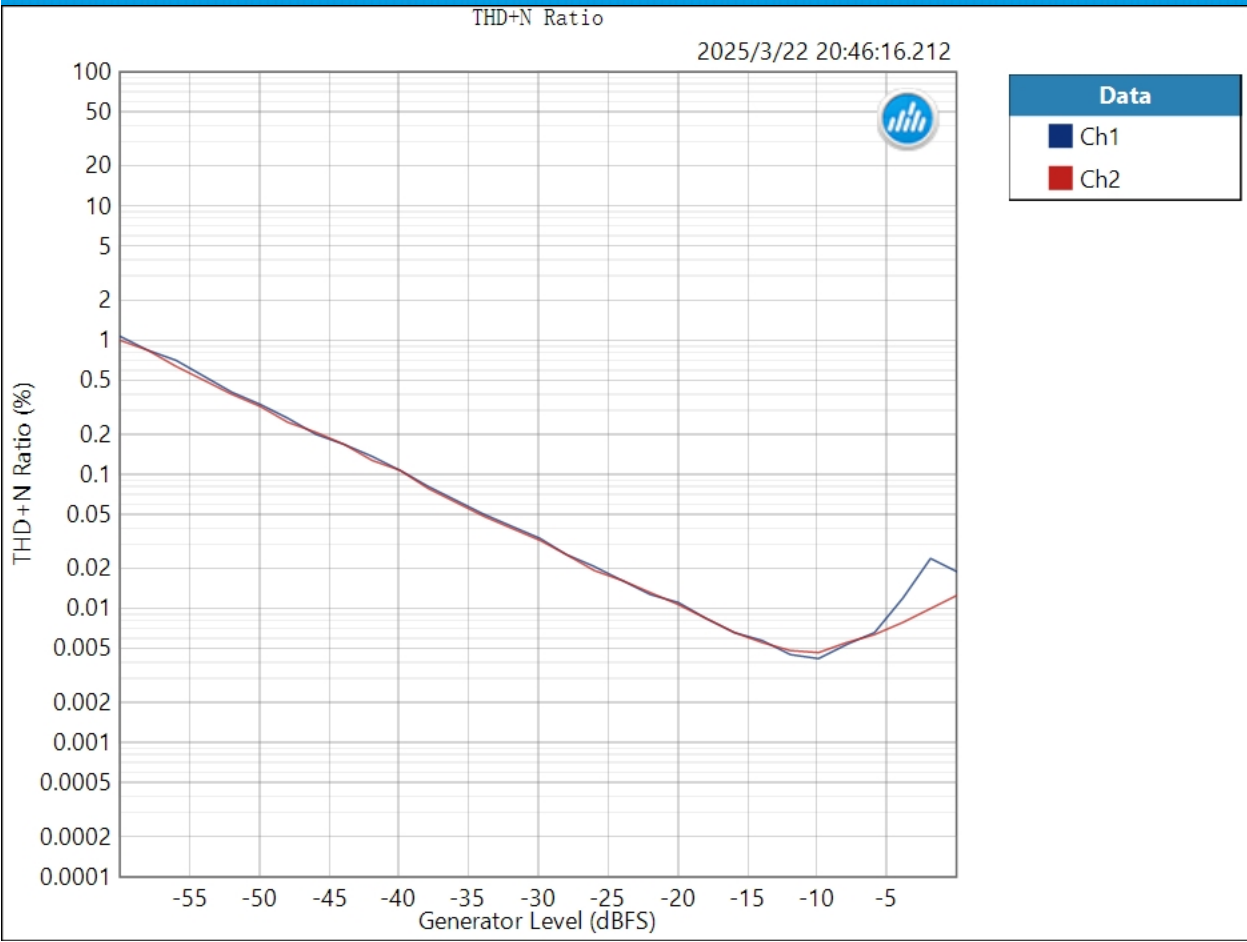
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Signal Path1 : Stepped Level Sweep

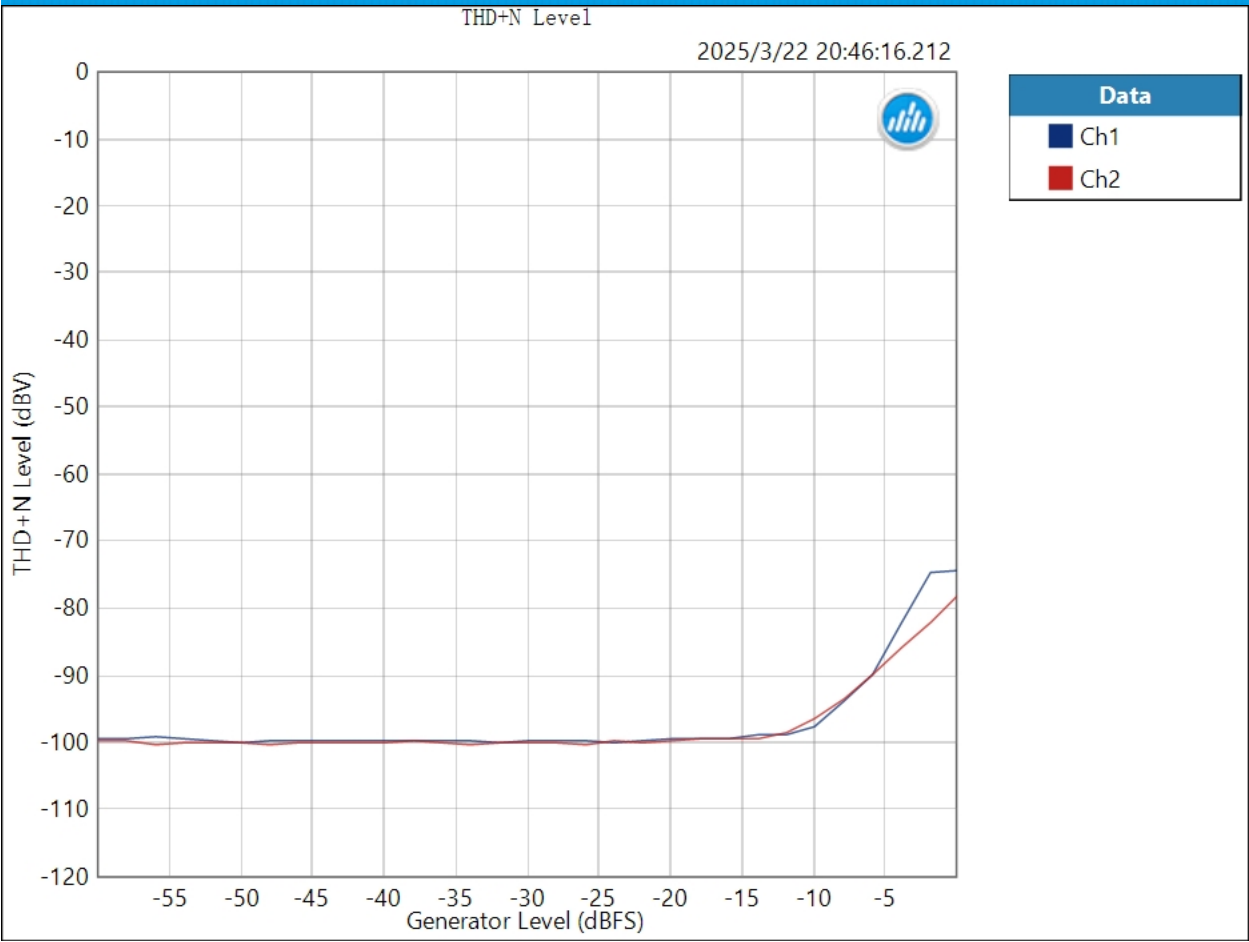
Waveform: Sine
Frequency: 1.00000 kHz
Start Level: -60.000 dBFS
Stop Level: -0.000 dBFS
Step Type: Linear
Number of Points: 31
Step Size: +2.000 dBFS
Offset: 0.000 D
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Elliptic
Low-pass Frequency: 20 kHz
Weighting Filter: A-wt.
Notch Tuning Mode: Generator Frequency
Measured 1 2025/3/22 20:46:16

THD+N Ratio (2025/3/22 20:46:16.212)



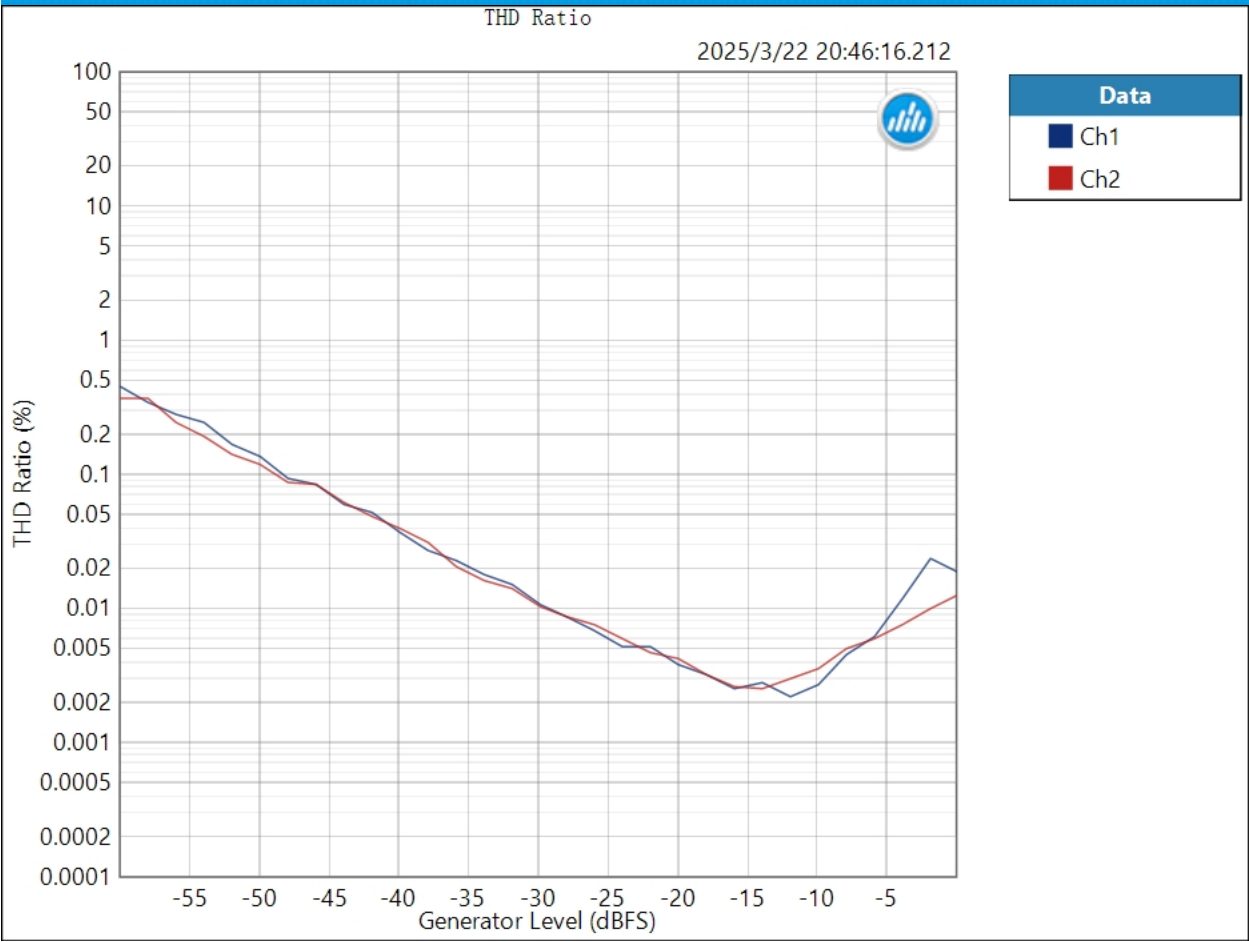
Result: PASSED

THD+N Level (2025/3/22 20:46:16.212)



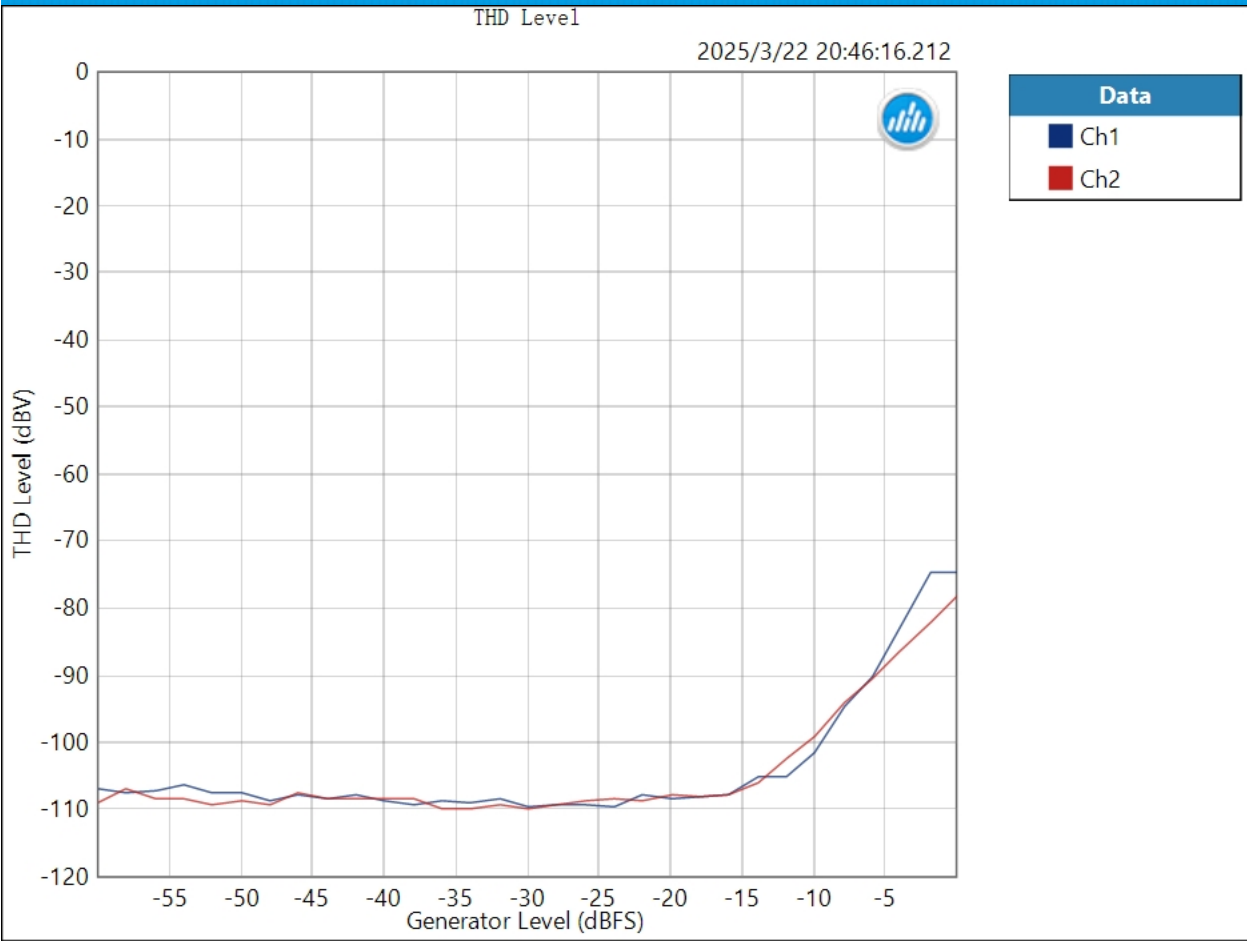
Result:  PASSED

THD Ratio (2025/3/22 20:46:16.212)



Result:  PASSED

THD Level (2025/3/22 20:46:16.212)



Result:  PASSED

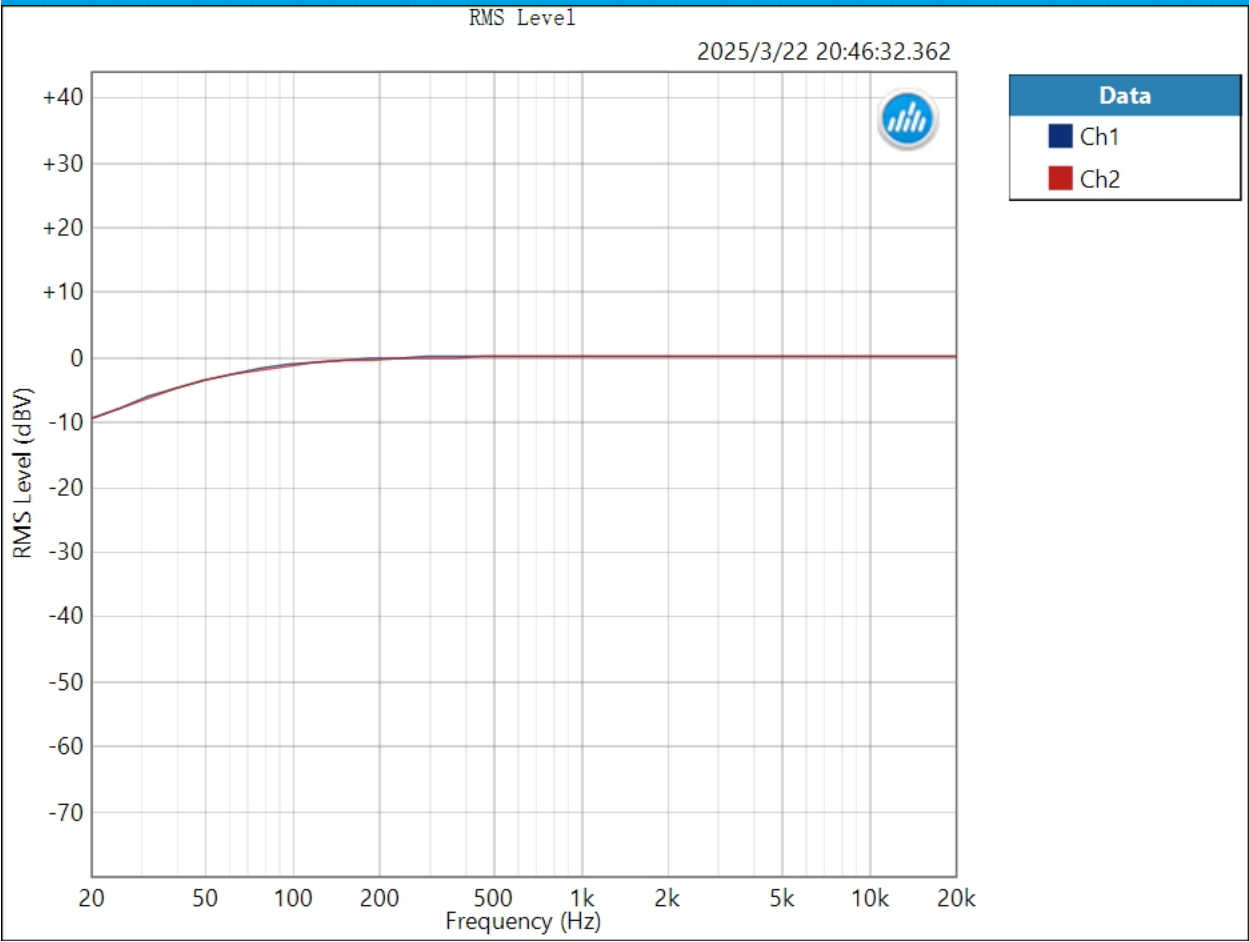
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Signal Path1 : Stepped Frequency Sweep

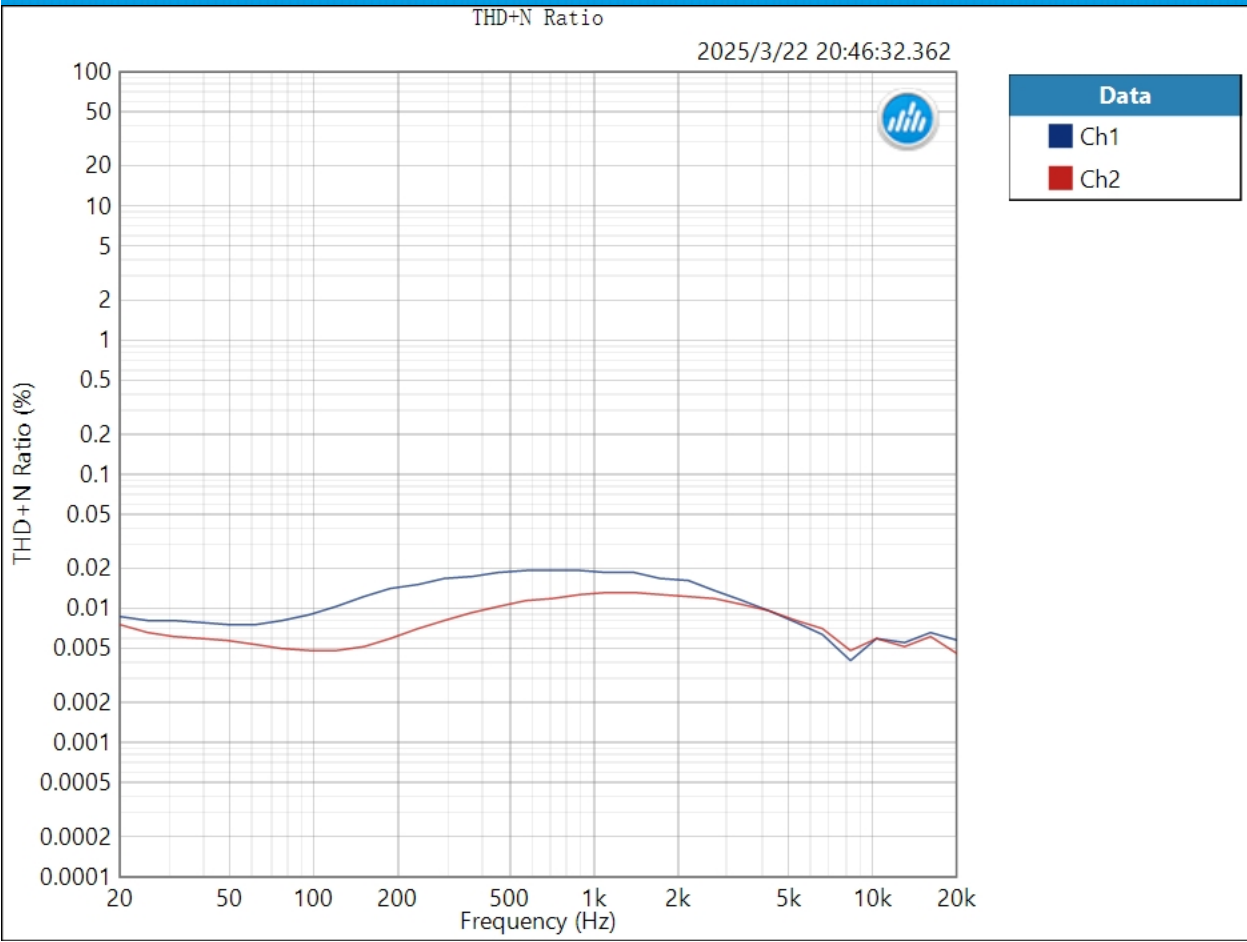
Waveform: Sine
Generator Level: -0.000 dBFS
DC Offset: 0.000 D
EQ: None
Start Frequency: 20.0000 kHz
Stop Frequency: 20.0000 Hz
Step Type: Logarithmic
Number of Points: 32
High-pass Filter: Elliptic
High-pass Frequency: 20 Hz
Low-pass Filter: Signal Path
Weighting Filter: A-wt.
Phase Ref Channel: Ch1
Measured 1 2025/3/22 20:46:32

RMS Level (2025/3/22 20:46:32.362)



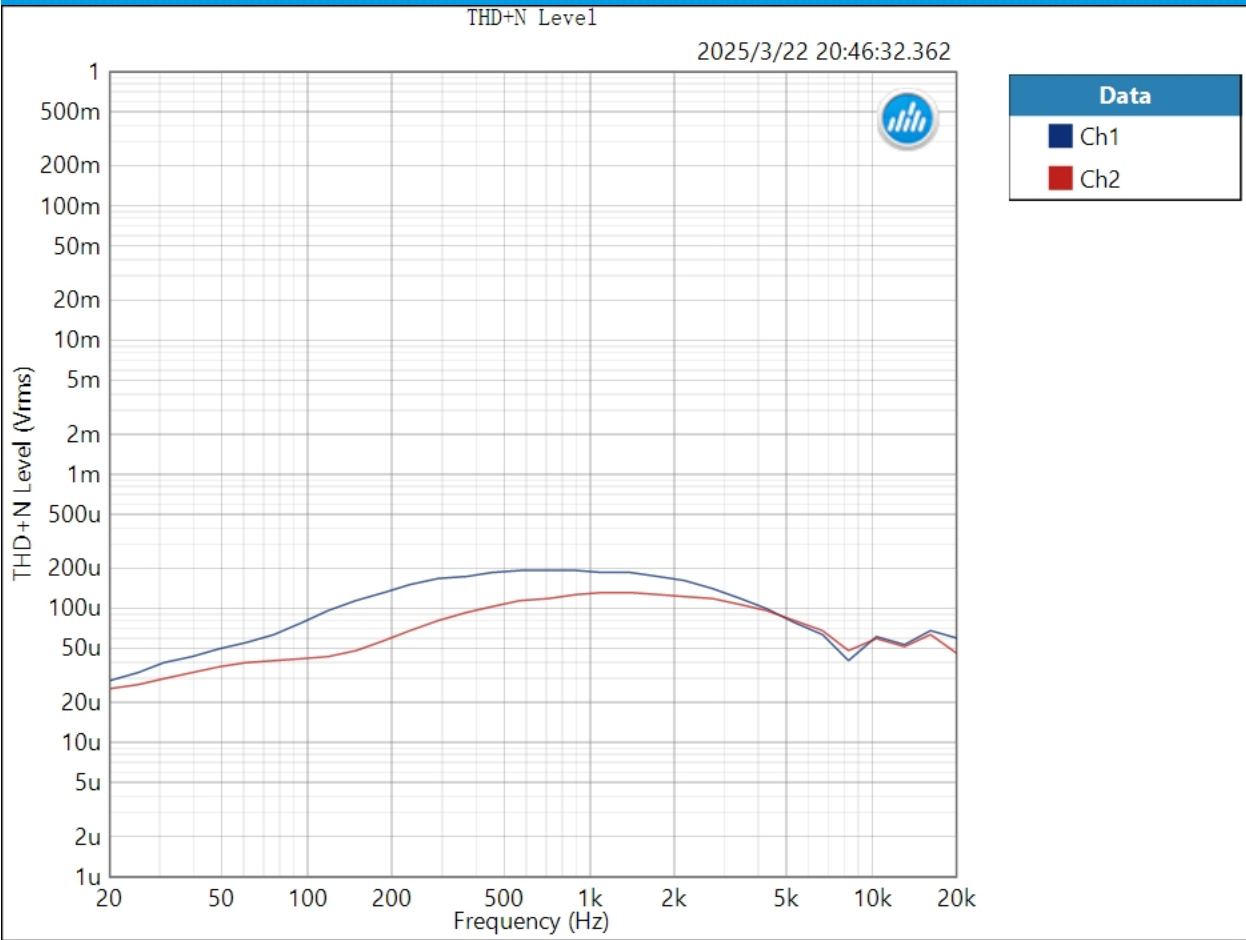
Result:  PASSED

THD+N Ratio (2025/3/22 20:46:32.362)



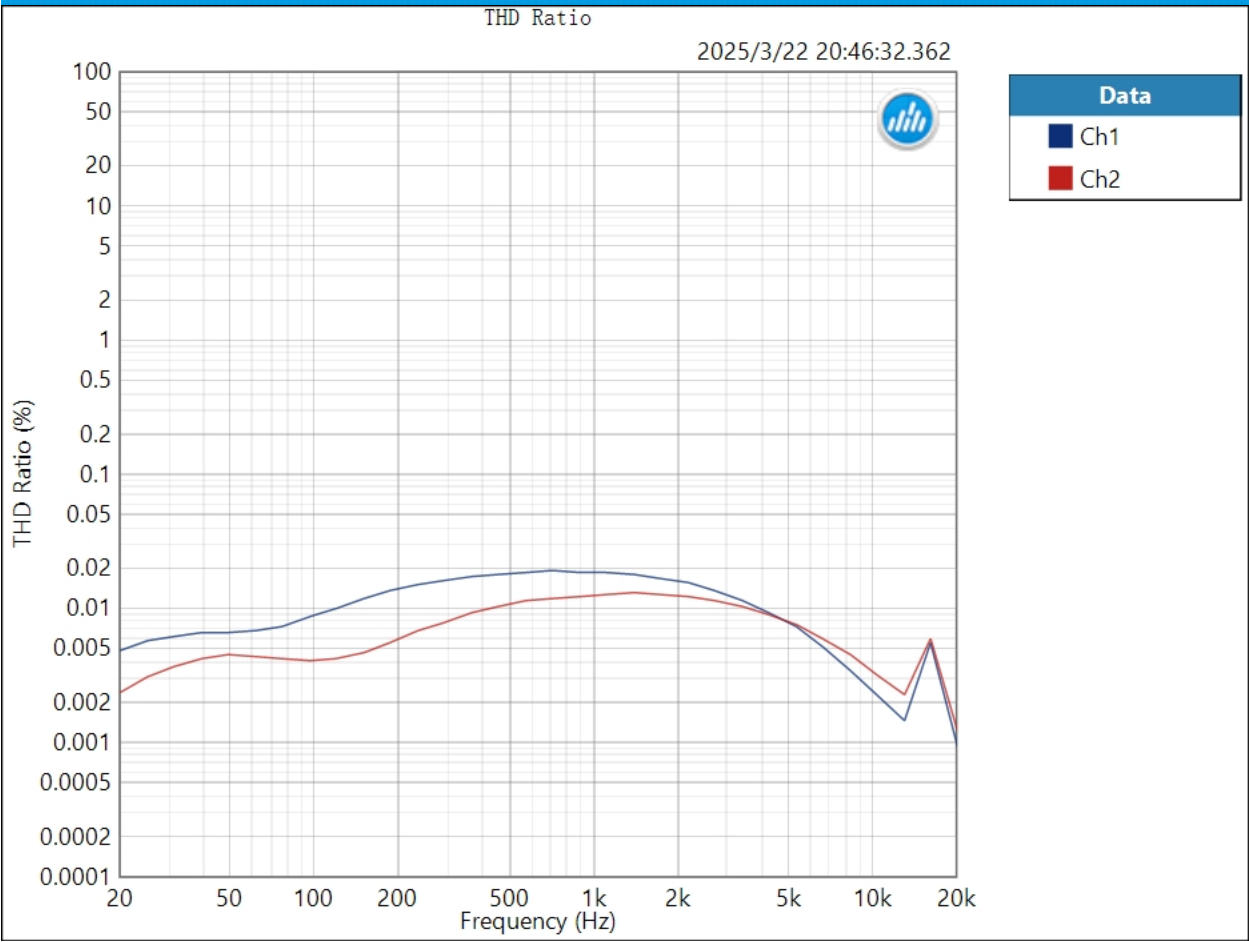
Result:  PASSED

THD+N Level (2025/3/22 20:46:32.362)



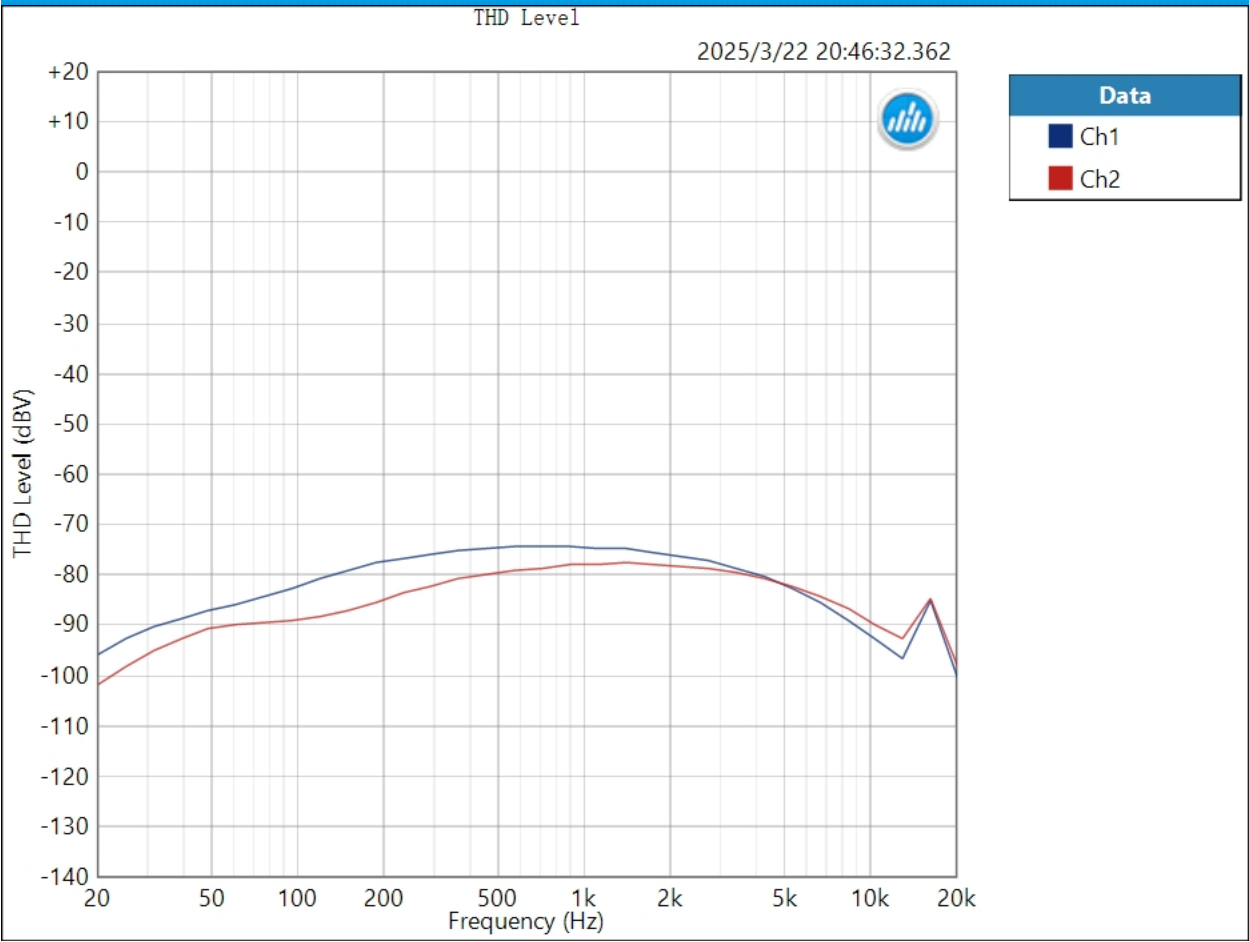
Result:  PASSED

THD Ratio (2025/3/22 20:46:32.362)



Result:  PASSED

THD Level (2025/3/22 20:46:32.362)



Result:  PASSED