

## Sequence Report



### Summary

#### Signal Path1

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

#### Sequence Result:

Sequence Result: ✓ PASSED

## Sequence Report



### Signal Path1 : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Configuration:	Normal (Differential)
Source Impedance:	100 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:	DC - 90k (192 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):	4.000 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):	4.000 ohm

#### • DCX

DCX is not detected.

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### Signal Path1 : Level and Gain

Waveform: Sine  
Generator Level: 400.0 mVrms  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Low-pass Filter: Signal Path

### RMS Level (3/15/2024 12:31:52.906 PM)

Ch1 258.0 W  
Ch2 251.6 W

### Gain (3/15/2024 12:31:52.906 PM)

Ch1 38.096 dB  
Ch2 37.986 dB

### Peak Level (3/15/2024 12:31:52.906 PM)

Ch1 45.48 V  
Ch2 44.90 V

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Signal Path1 : THD+N

Waveform: Sine  
 Generator Level: 400.0 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.  
 Notch Tuning Mode: Measured Frequency

### THD+N Ratio (3/15/2024 12:31:55.420 PM)

Ch1 0.030485 %  
 Ch2 0.037424 %

### THD+N Level (3/15/2024 12:31:55.420 PM)

Ch1 23.84 uW  
 Ch2 35.03 uW

### THD Ratio (3/15/2024 12:31:55.420 PM)

Ch1 0.029580 %  
 Ch2 0.037185 %

### THD Level (3/15/2024 12:31:55.420 PM)

Ch1 22.59 uW  
 Ch2 34.81 uW

### Noise Ratio (3/15/2024 12:31:55.420 PM)

Ch1 0.006416 %  
 Ch2 0.002848 %

### Noise Level (3/15/2024 12:31:55.420 PM)

Ch1 1.063 uW  
 Ch2 204.1 nW

### Distortion Product Ratio (3/15/2024 12:31:55.420 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	-73.62	-79.14	-76.88	-84.85	-94.34	-91.15	-88.07	-85.11	-87.16
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-69.79	-78.84	-78.12	-86.87	-96.11	-95.14	-96.29	-91.38	-90.96

### Distortion Product Ratio Parameters

Frequency Unit: Hz  
 Ratio Unit: dB

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Channel: Ch1

### Distortion Product Level (3/15/2024 12:31:55.420 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	258.1	11.20 u	3.149 u	5.290 u	844.2 n	94.97 n	198.1 n	402.8 n	795.7 n	496.8 n
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	251.7	26.42 u	3.291 u	3.884 u	516.9 n	61.68 n	77.09 n	59.19 n	183.1 n	201.8 n

### Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: W

Channel: Ch1

## Sequence Report



Signal Path1 : Frequency Response

Start Frequency: 5.00000 Hz

Stop Frequency: 40.0000 kHz

Generator Level: 400.0 mVrms

DC Offset: 0.000 V

EQ: None

Pre-Sweep: 0.000 s

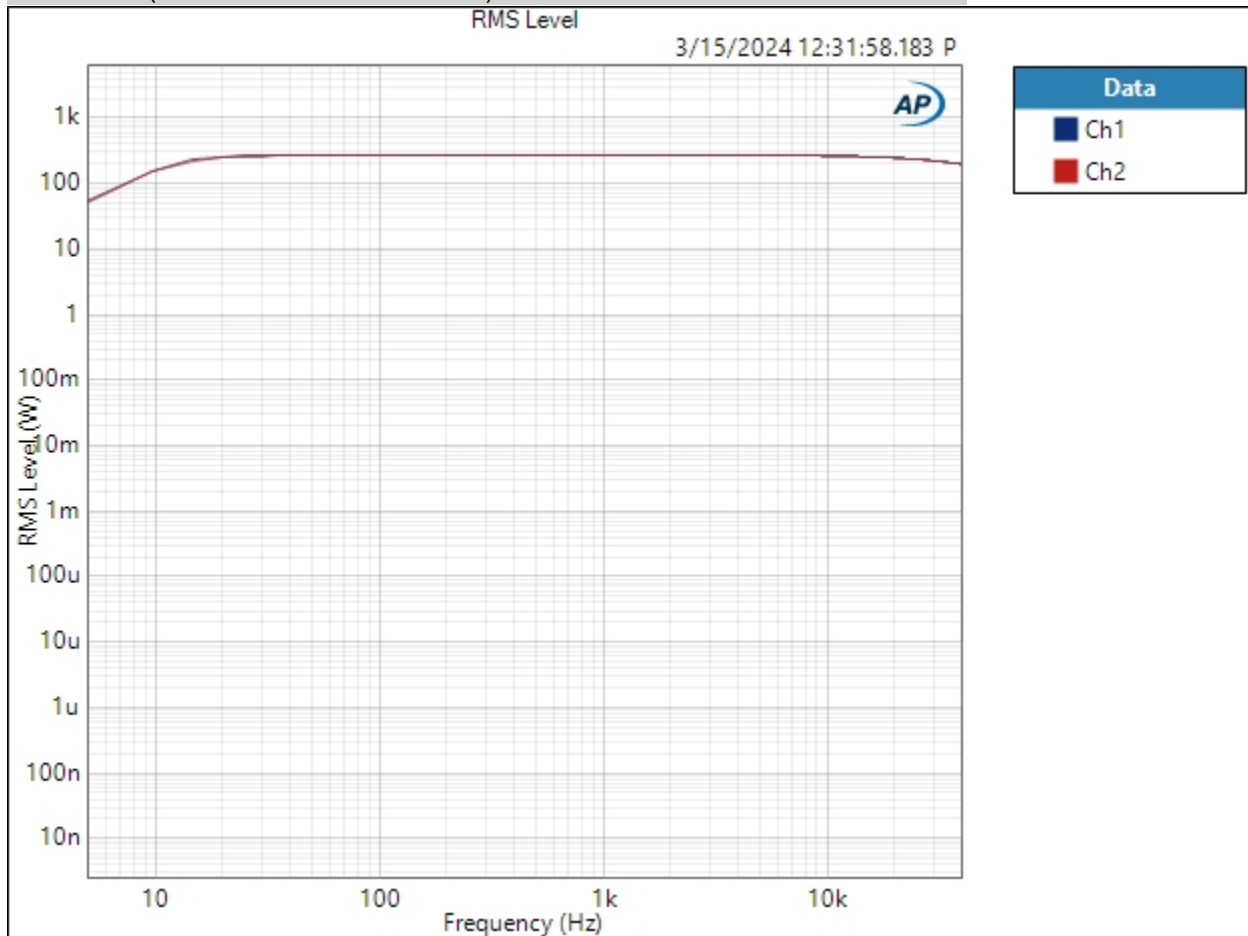
Sweep: 350.0 ms

Extend Acquisition By: 50.00 ms

Secondary Source: None

Measured 1 3/15/2024 12:31:58 PM

RMS Level (3/15/2024 12:31:58.183 PM)

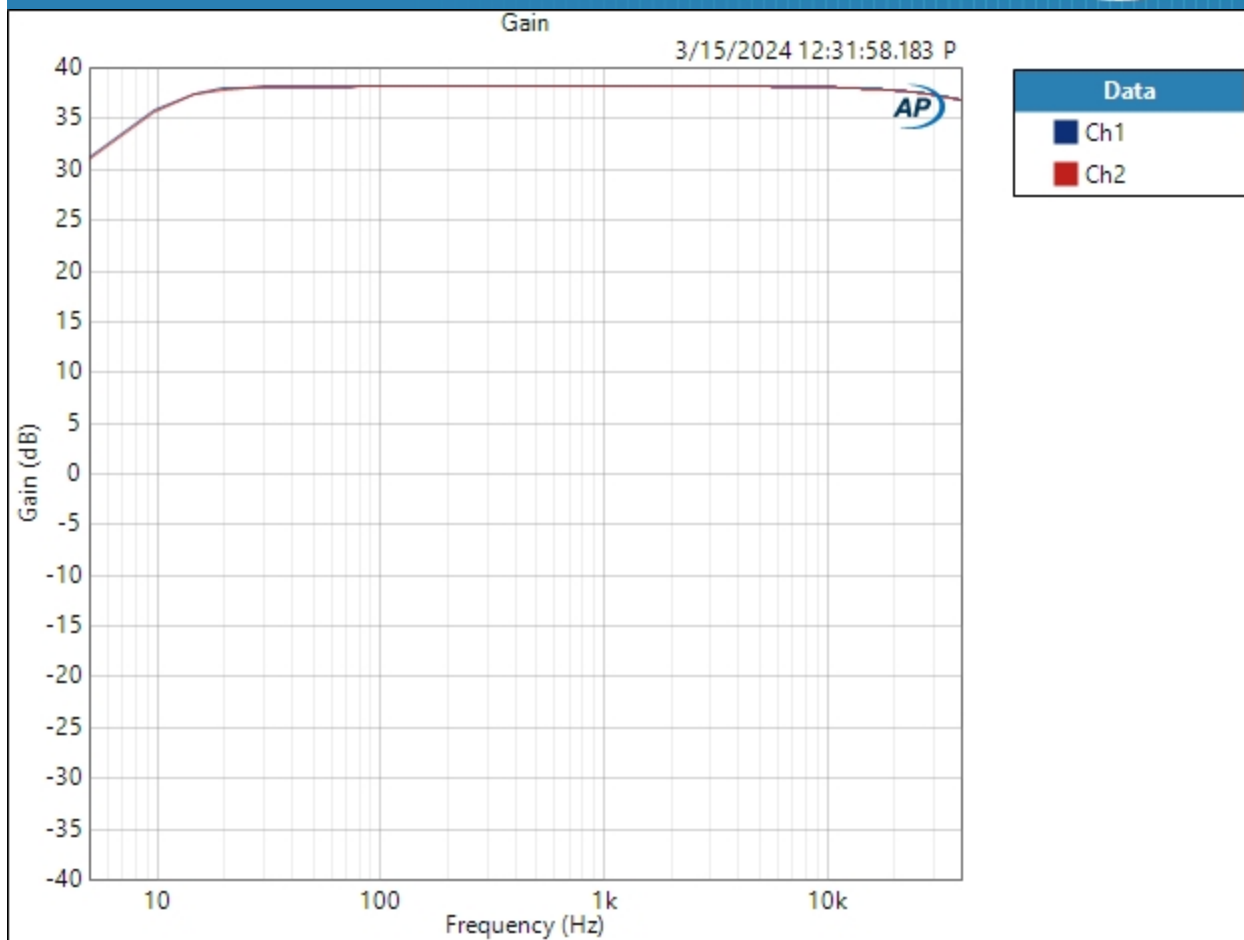


Result: PASSED

Gain (3/15/2024 12:31:58.183 PM)

3/15/2024 12:32 PM

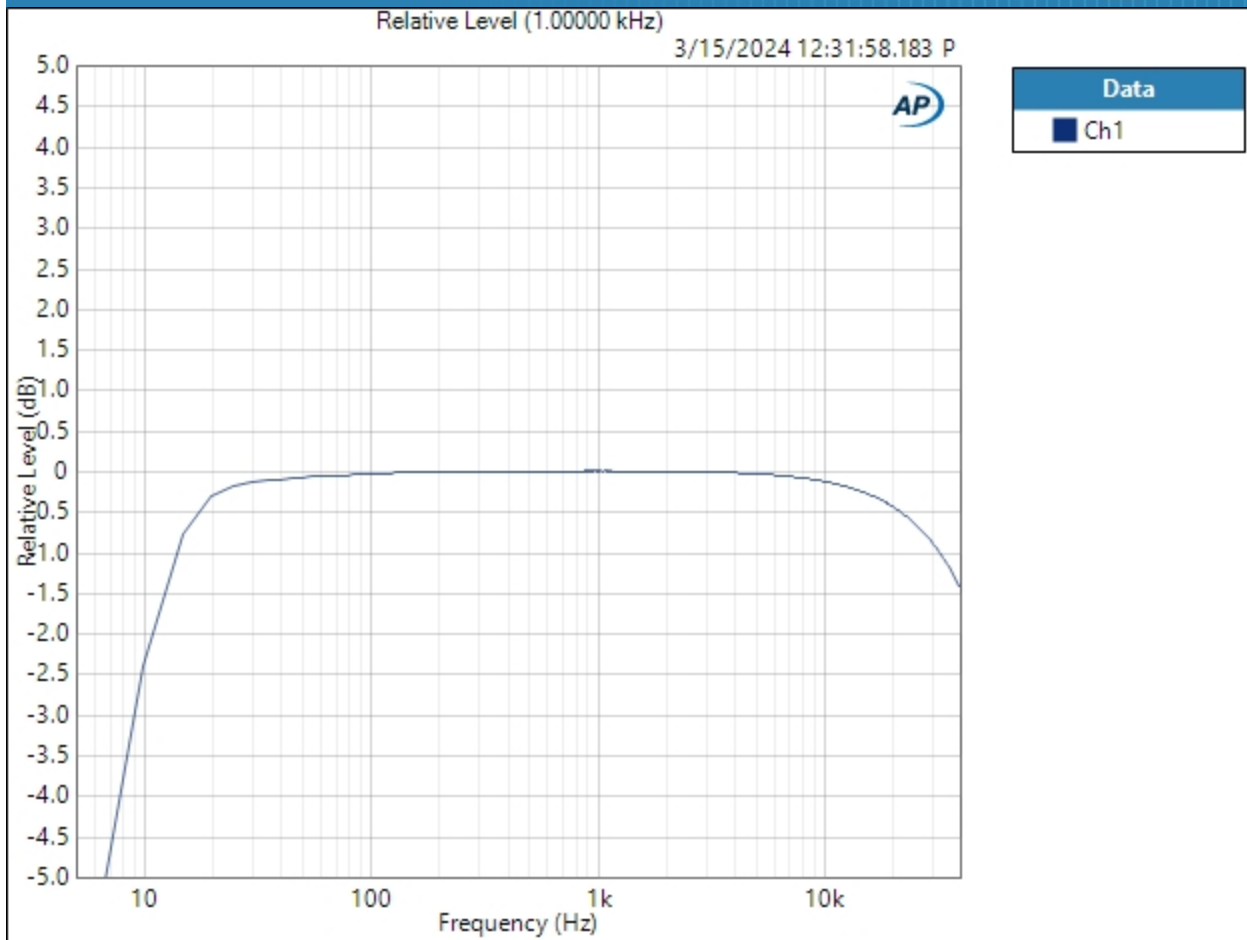
Sequence Report



Result: PASSED

Relative Level (1.00000 kHz) (3/15/2024 12:31:58.183 PM)

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### Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (3/15/2024 12:31:58.183 PM)

Ch1  $\pm 0.222$  dB

Ch2  $\pm 0.224$  dB

### Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

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### Signal Path1 : Signal to Noise Ratio

Waveform: Sine  
Generator Level: 400.0 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 (3/15/2024 12:32:01.835 PM)

Ch1 100.637 dB  
Ch2 101.090 dB

### Signal Path1 : Crosstalk, One Channel Undriven

Waveform: Sine  
Generator Level: 400.0 mVrms  
DC Offset: 0.000 V  
Frequency: 10.0000 kHz

### Crosstalk (3/15/2024 12:32:04.105 PM)

Ch1 -56.490 dB  
Ch2 -59.534 dB

### Signal Path1 : Interchannel Phase

Waveform: Sine  
Generator Level: 400.0 mVrms  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Reference Channel: Ch1  
Meter Range: -90 -> 270 deg

### Phase (3/15/2024 12:32:06.644 PM)

Ch1 ---- deg  
Ch2 +0.018 deg

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Signal Path1 : Stepped Level Sweep

Waveform: Sine

Frequency: 1.00000 kHz

Start Level: 1.000 mVrms

Stop Level: 630.0 mVrms

Step Type: Logarithmic

Number of Points: 31

Offset: 0.000 V

High-pass Filter: Signal Path

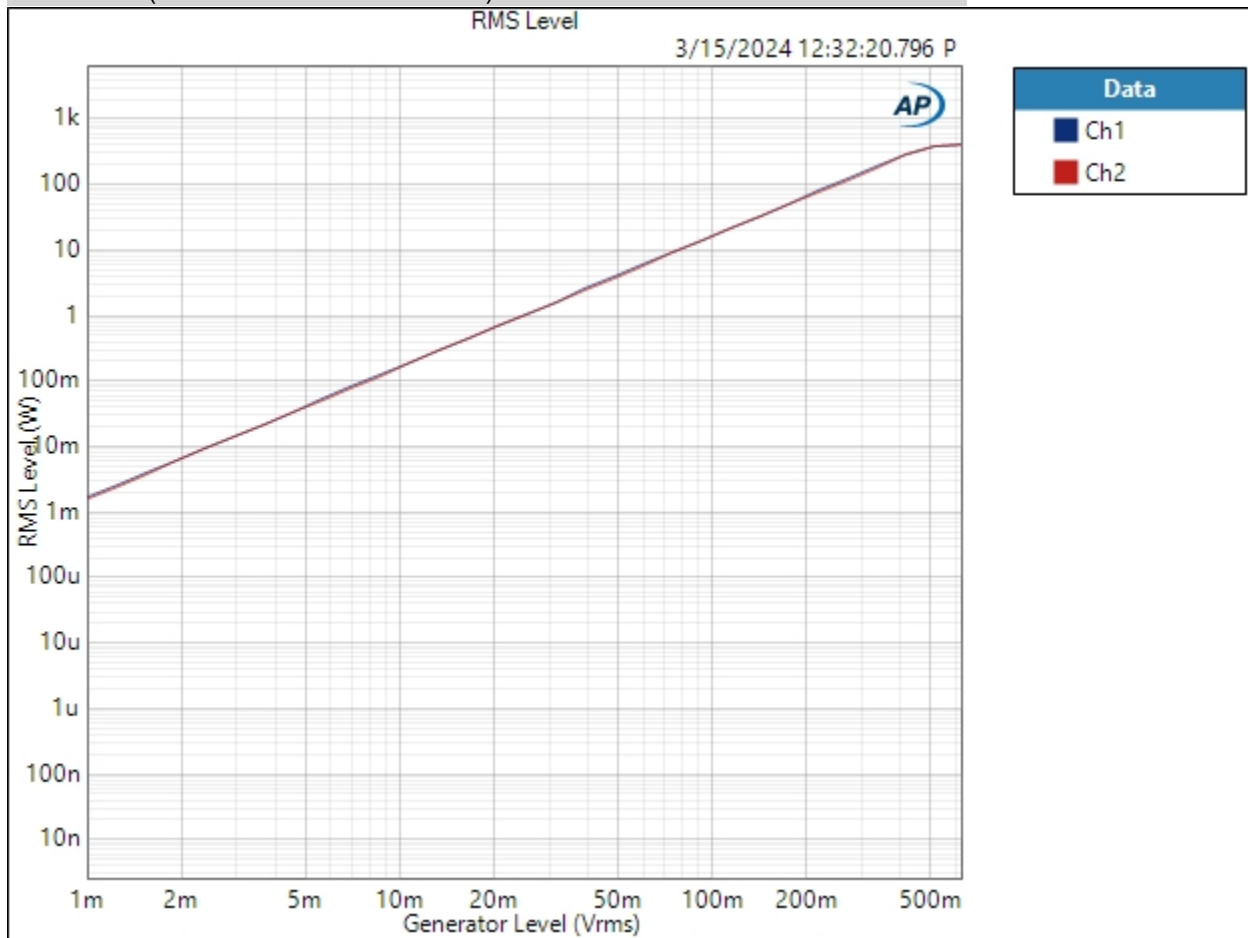
Low-pass Filter: Signal Path

Weighting Filter: A-wt.

Notch Tuning Mode: Generator Frequency

Measured 1 3/15/2024 12:32:20 PM

RMS Level (3/15/2024 12:32:20.796 PM)

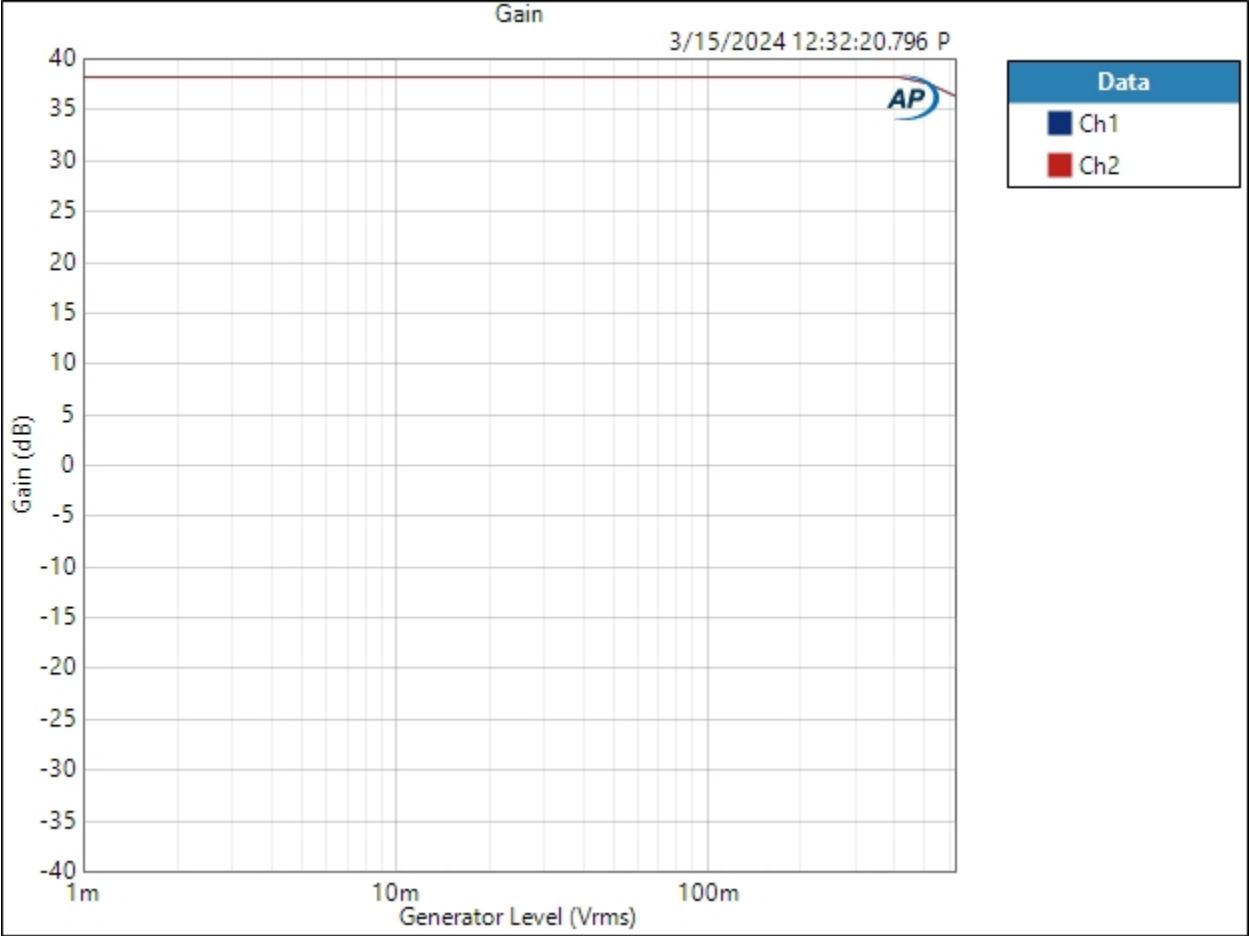


# Sequence Report



Result: PASSED

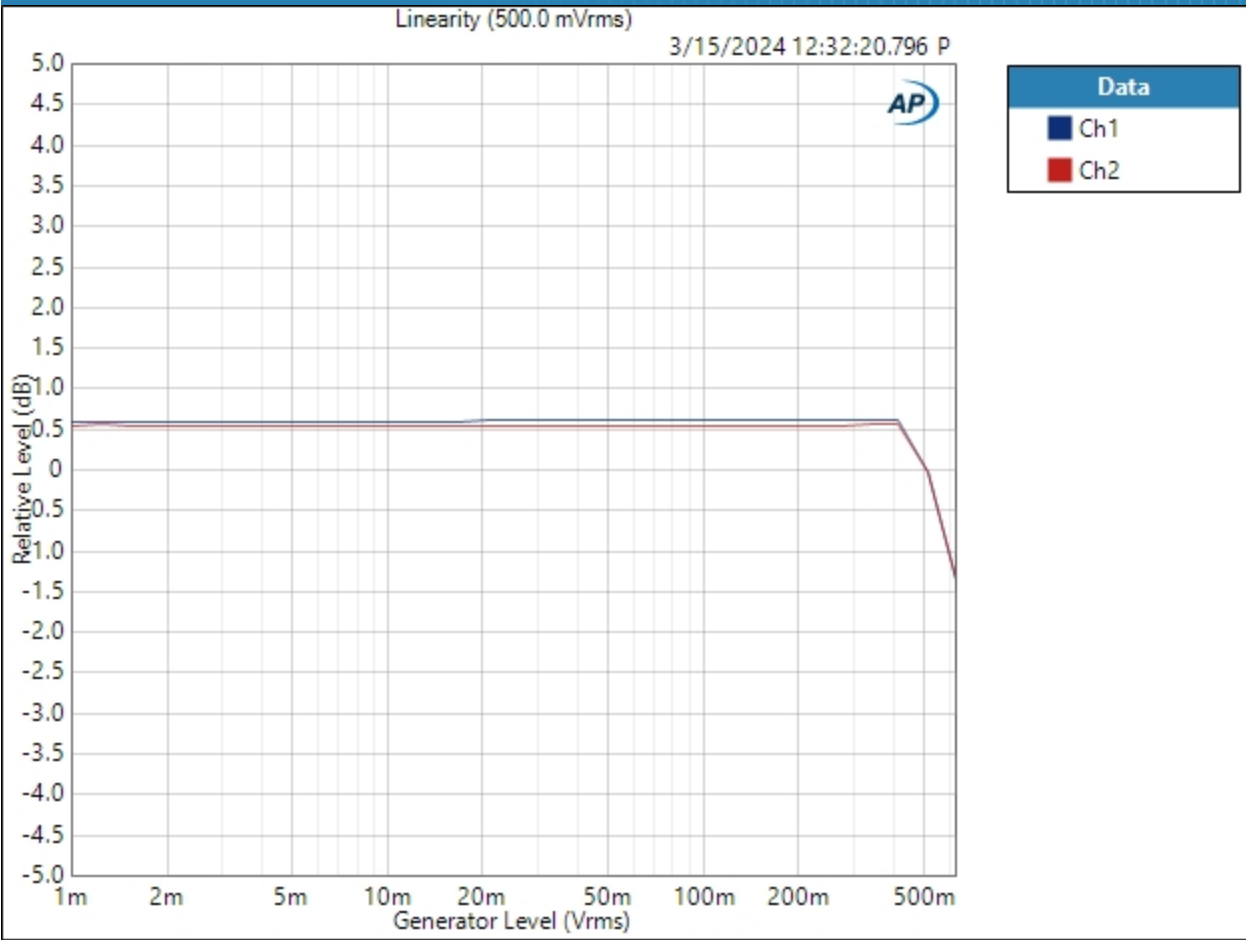
Gain (3/15/2024 12:32:20.796 PM)



Result: PASSED

Linearity (500.0 mVrms) (3/15/2024 12:32:20.796 PM)

Sequence Report



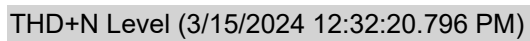
Linearity (500.0 mVrms) Parameters

Mode: Normalized at Reference

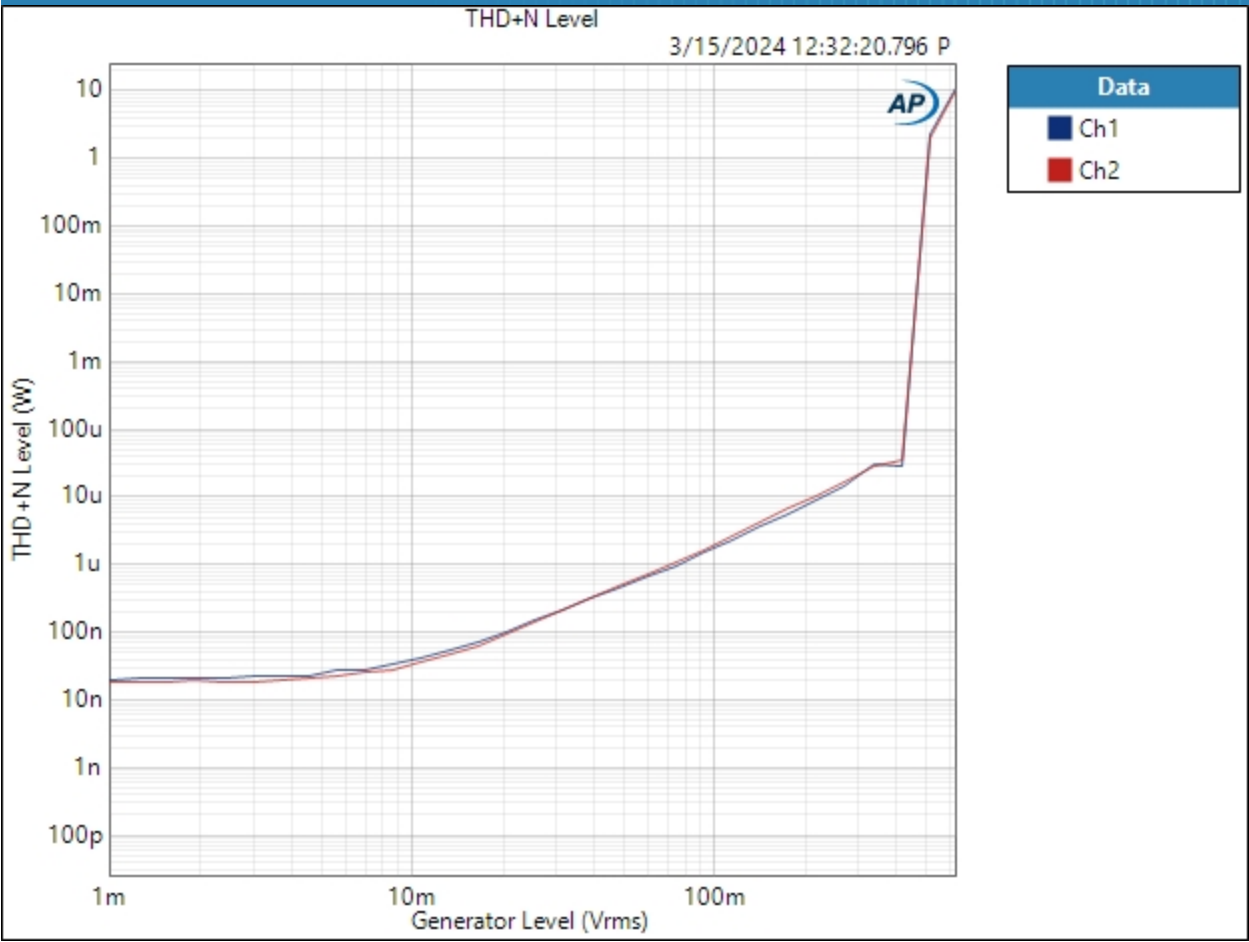
Relative Level: 500.0 mVrms

Result: PASSED

THD+N Ratio (3/15/2024 12:32:20.796 PM)



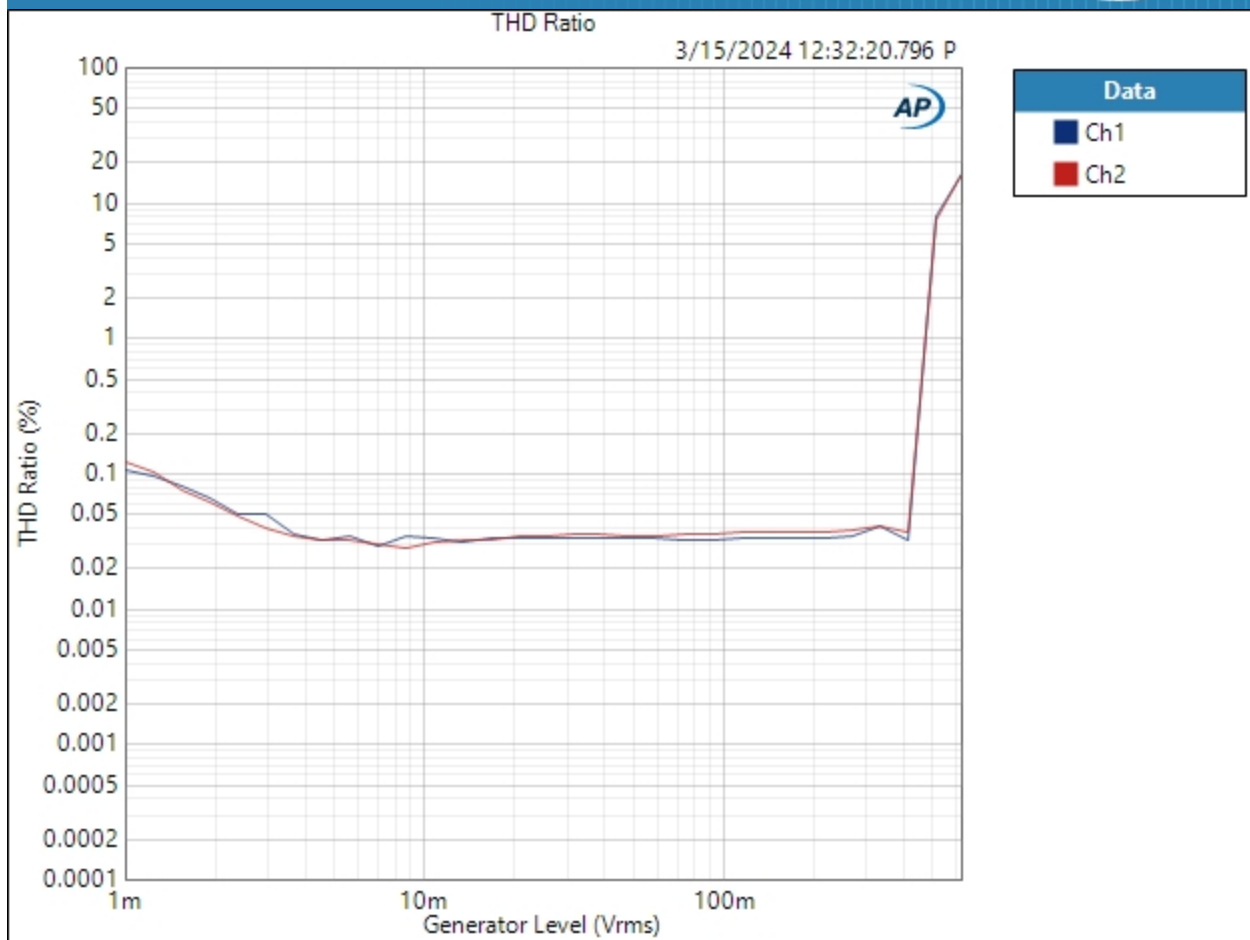
Sequence Report



Result: PASSED

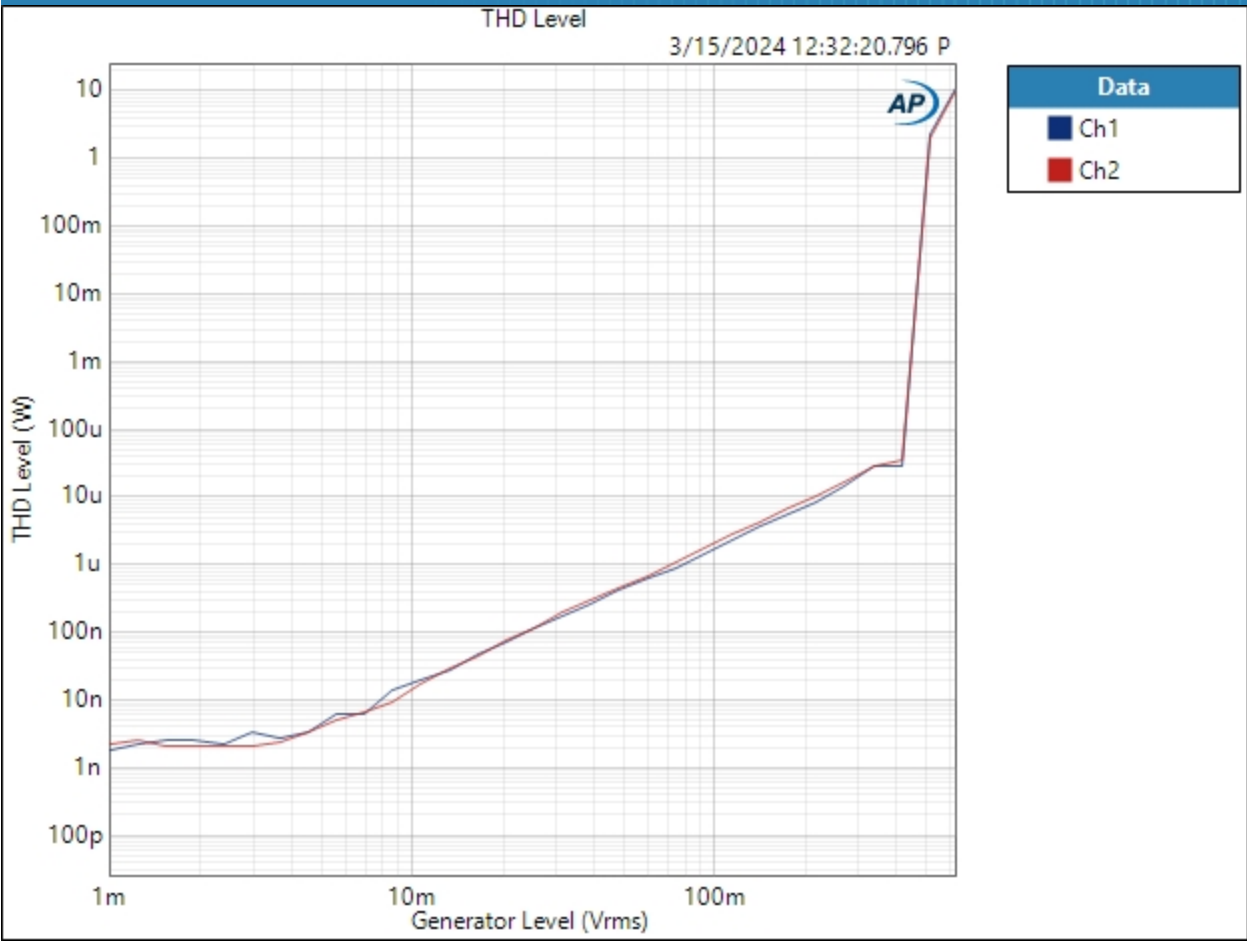
THD Ratio (3/15/2024 12:32:20.796 PM)

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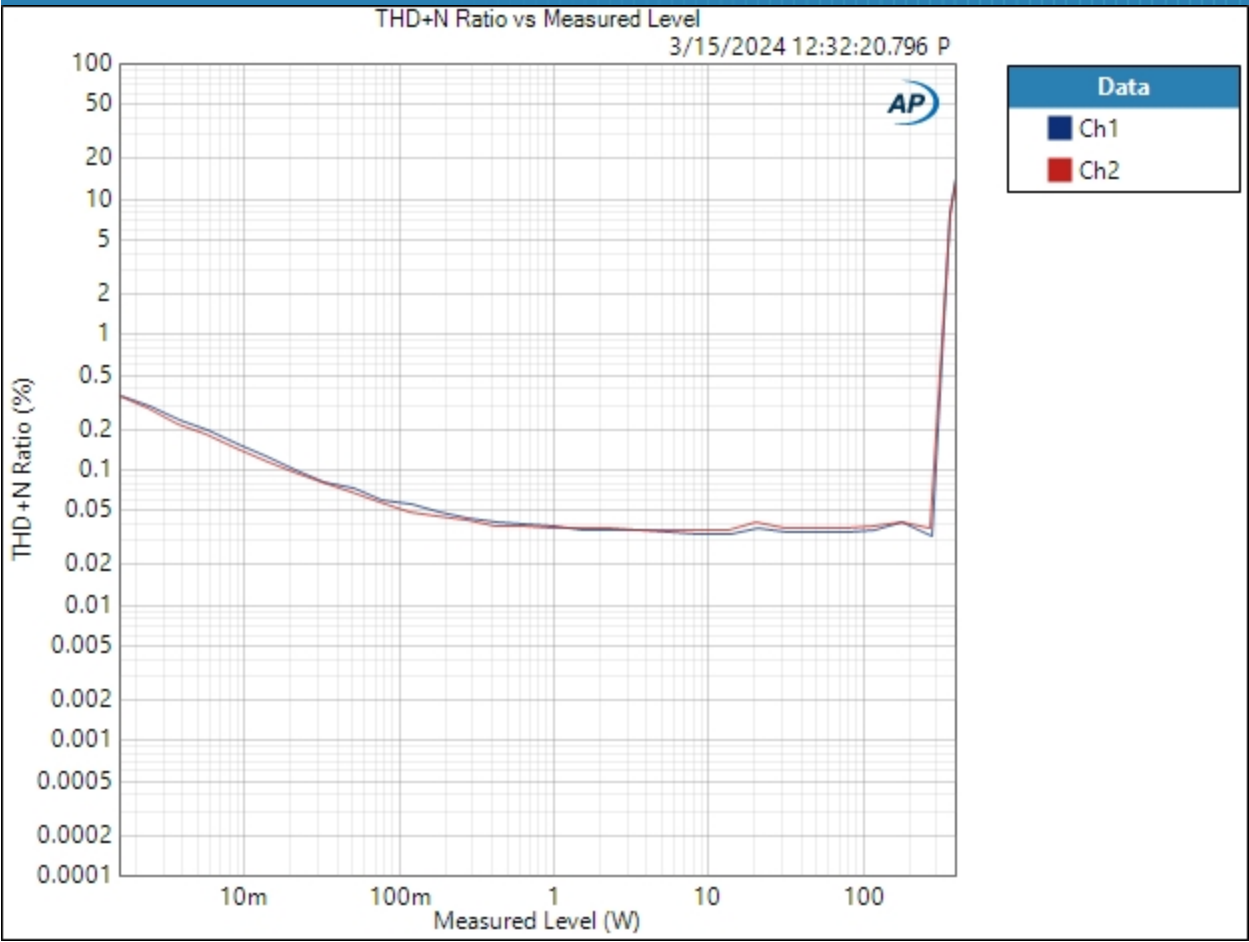
Result: PASSED

THD Level (3/15/2024 12:32:20.796 PM)



Result: PASSED

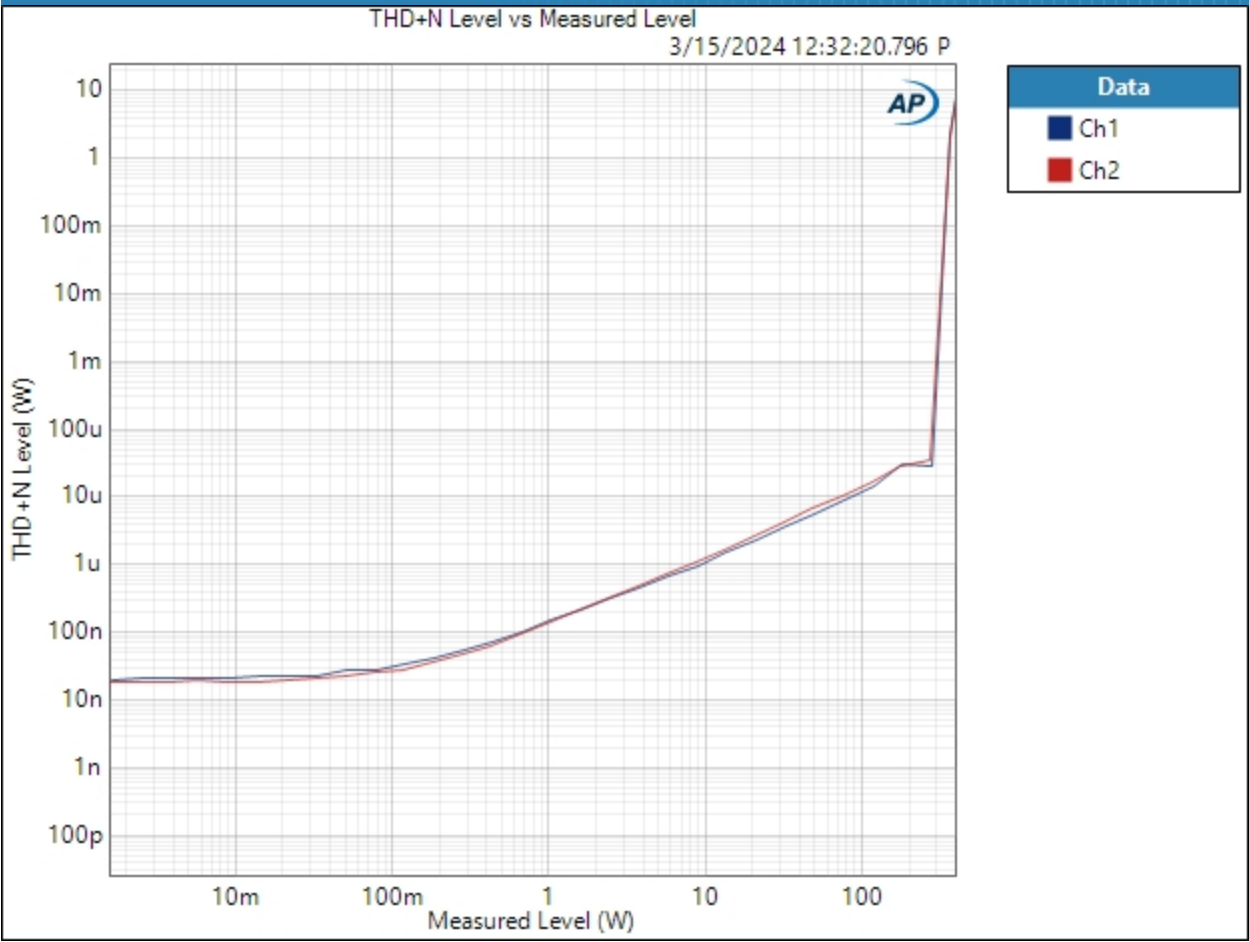
THD+N Ratio vs Measured Level (3/15/2024 12:32:20.796 PM)



Result: PASSED

THD+N Level vs Measured Level (3/15/2024 12:32:20.796 PM)

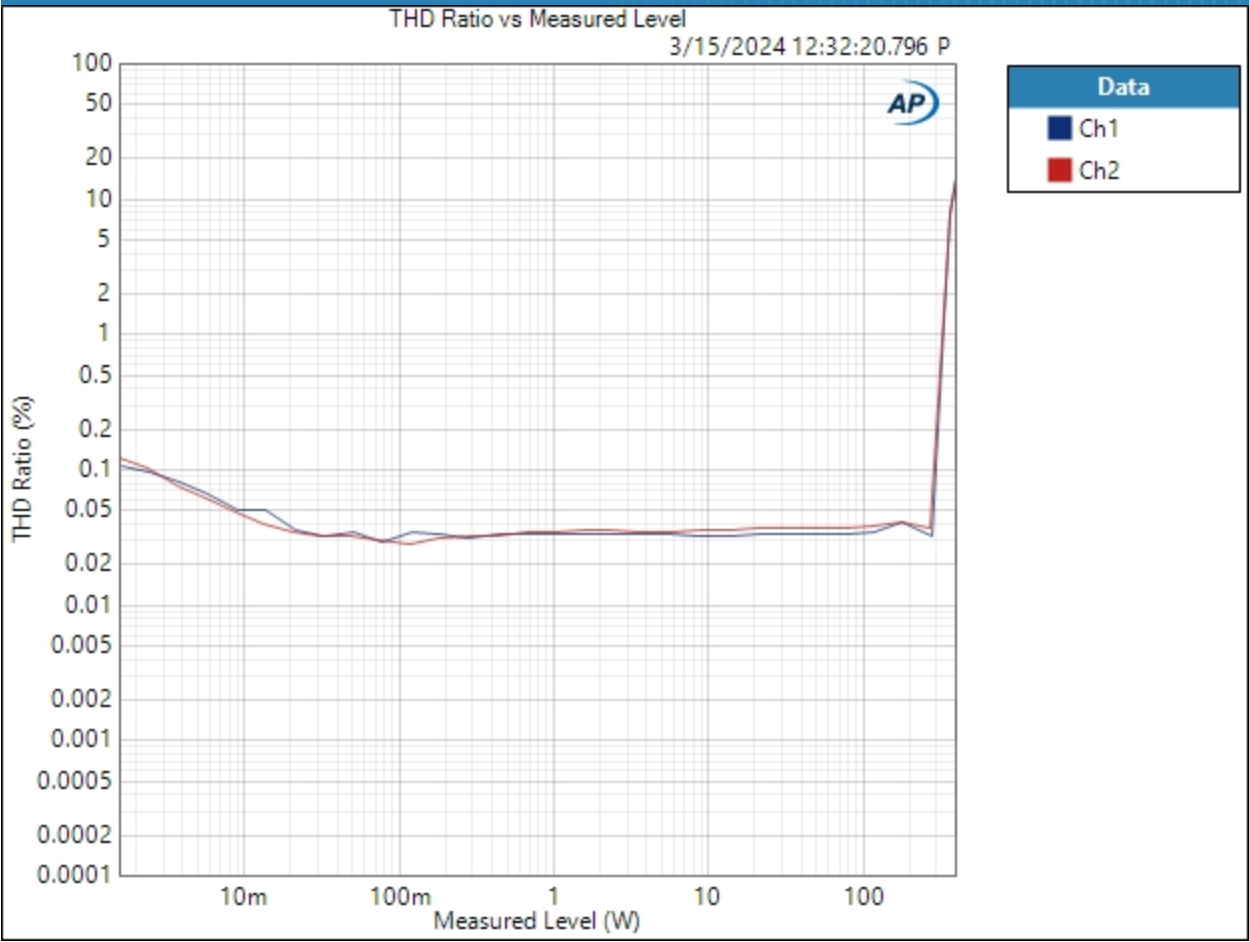
Sequence Report



Result: PASSED

THD Ratio vs Measured Level (3/15/2024 12:32:20.796 PM)

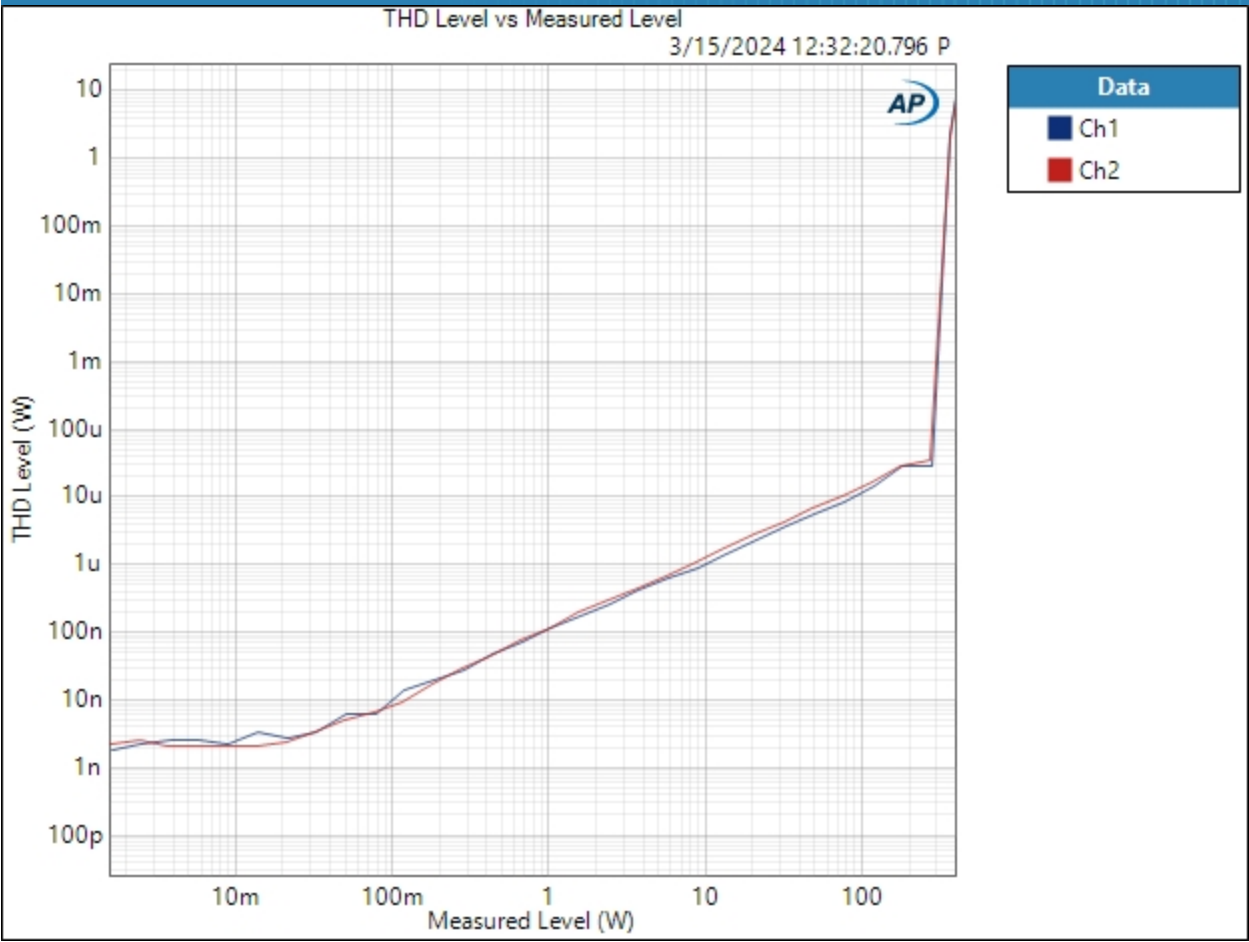
Sequence Report



Result: PASSED

THD Level vs Measured Level (3/15/2024 12:32:20.796 PM)

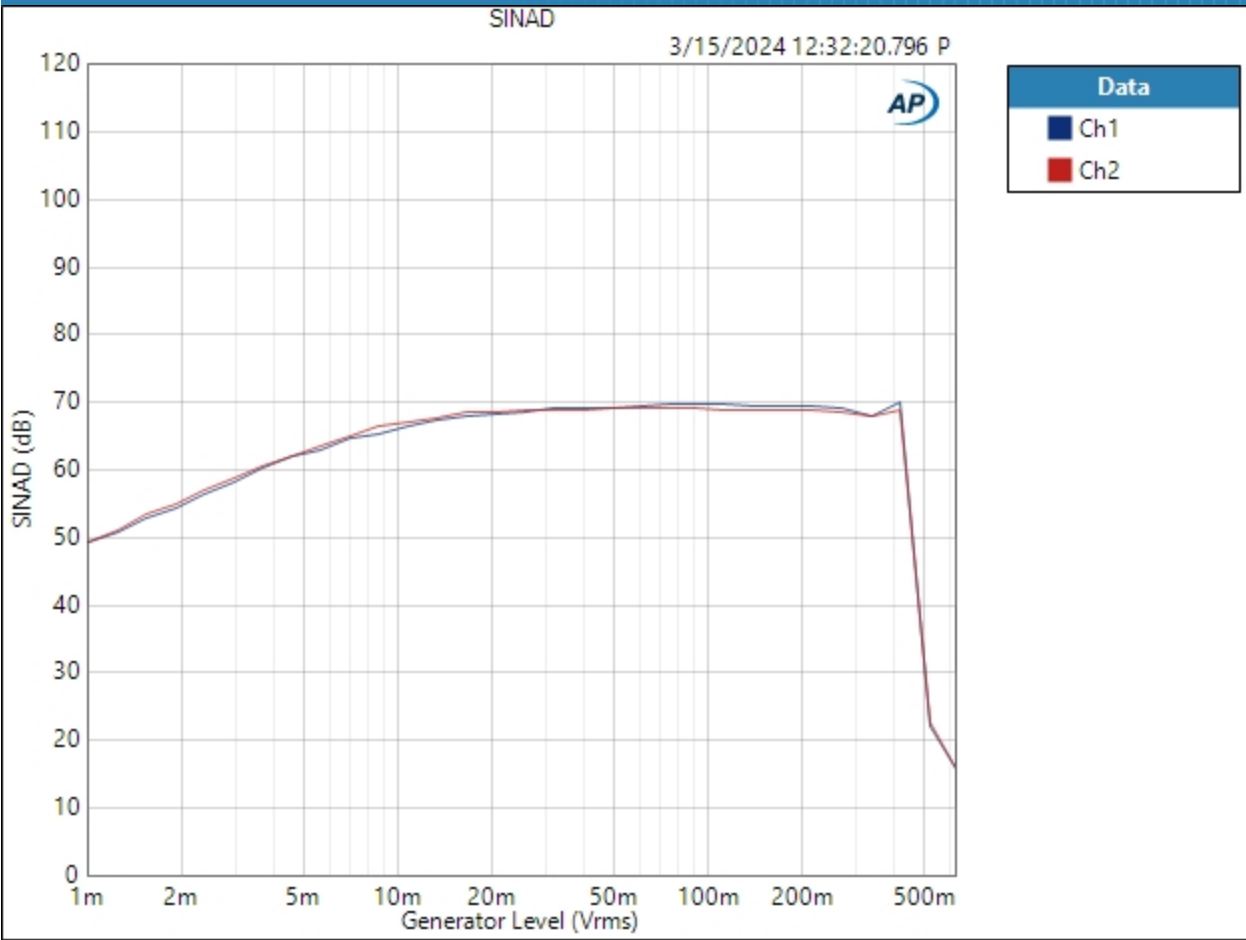
Sequence Report



Result: PASSED

SINAD (3/15/2024 12:32:20.796 PM)

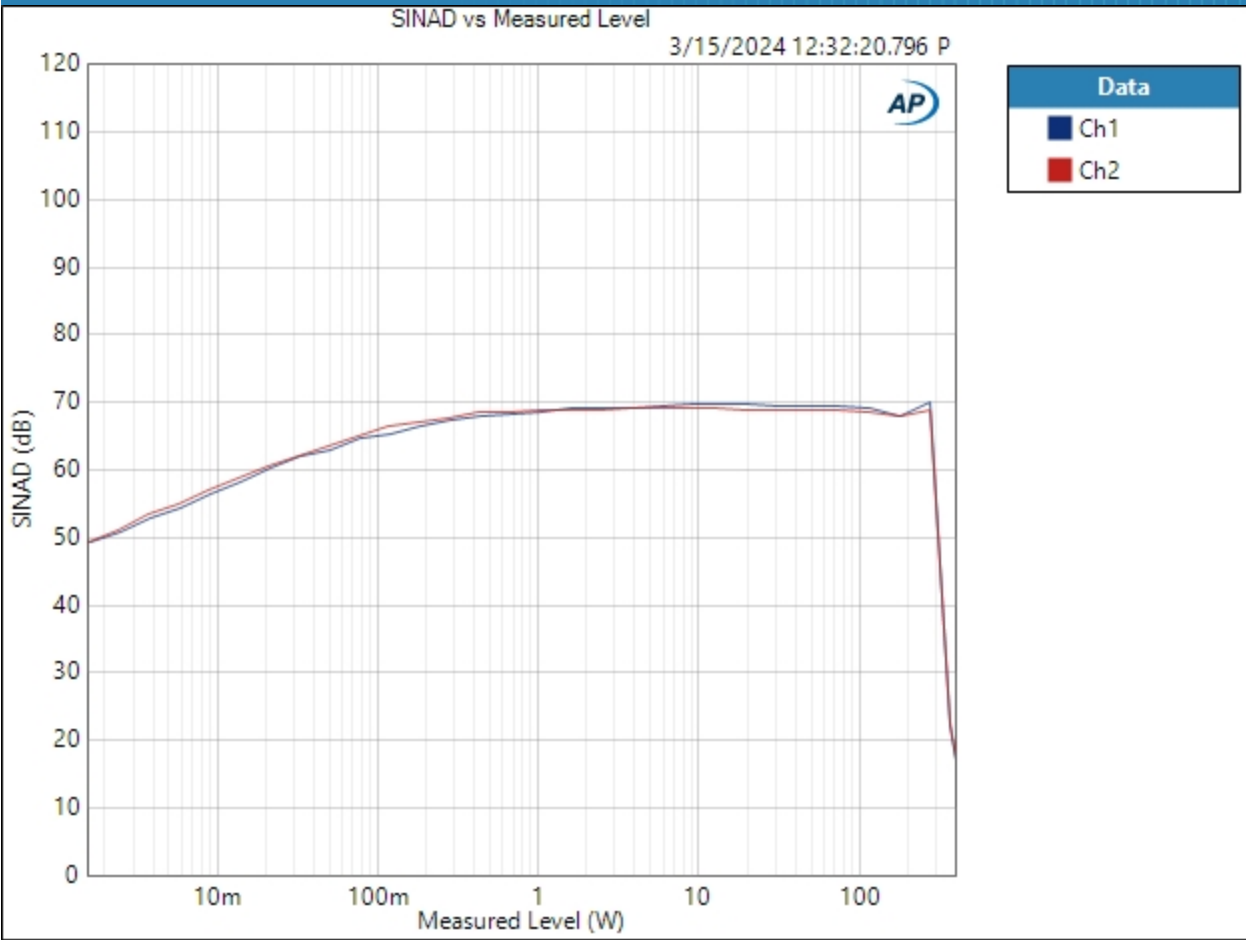
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Result: PASSED

SINAD vs Measured Level (3/15/2024 12:32:20.796 PM)

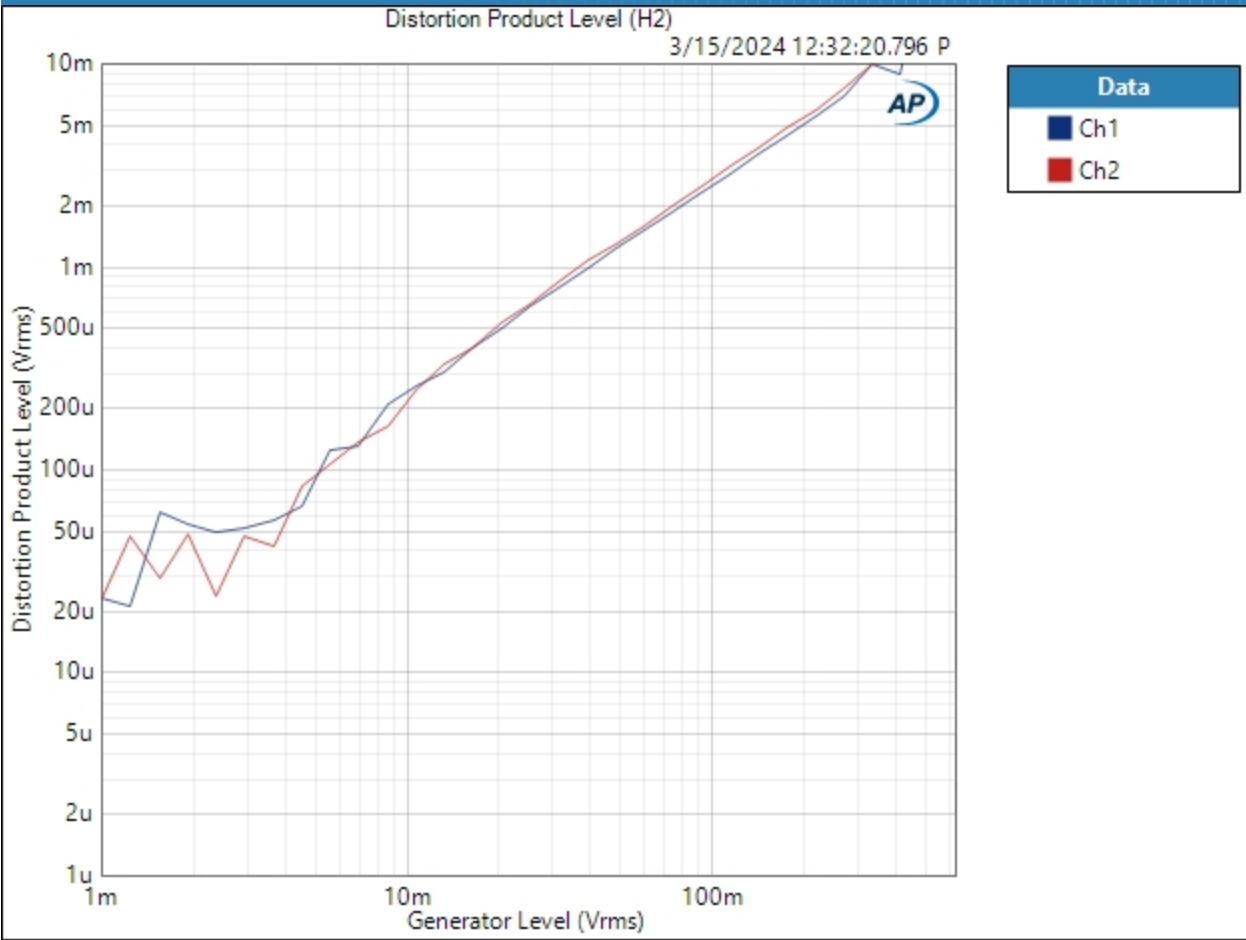
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Result: PASSED

Distortion Product Level (H2) (3/15/2024 12:32:20.796 PM)

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Distortion Product Level (H2) Parameters

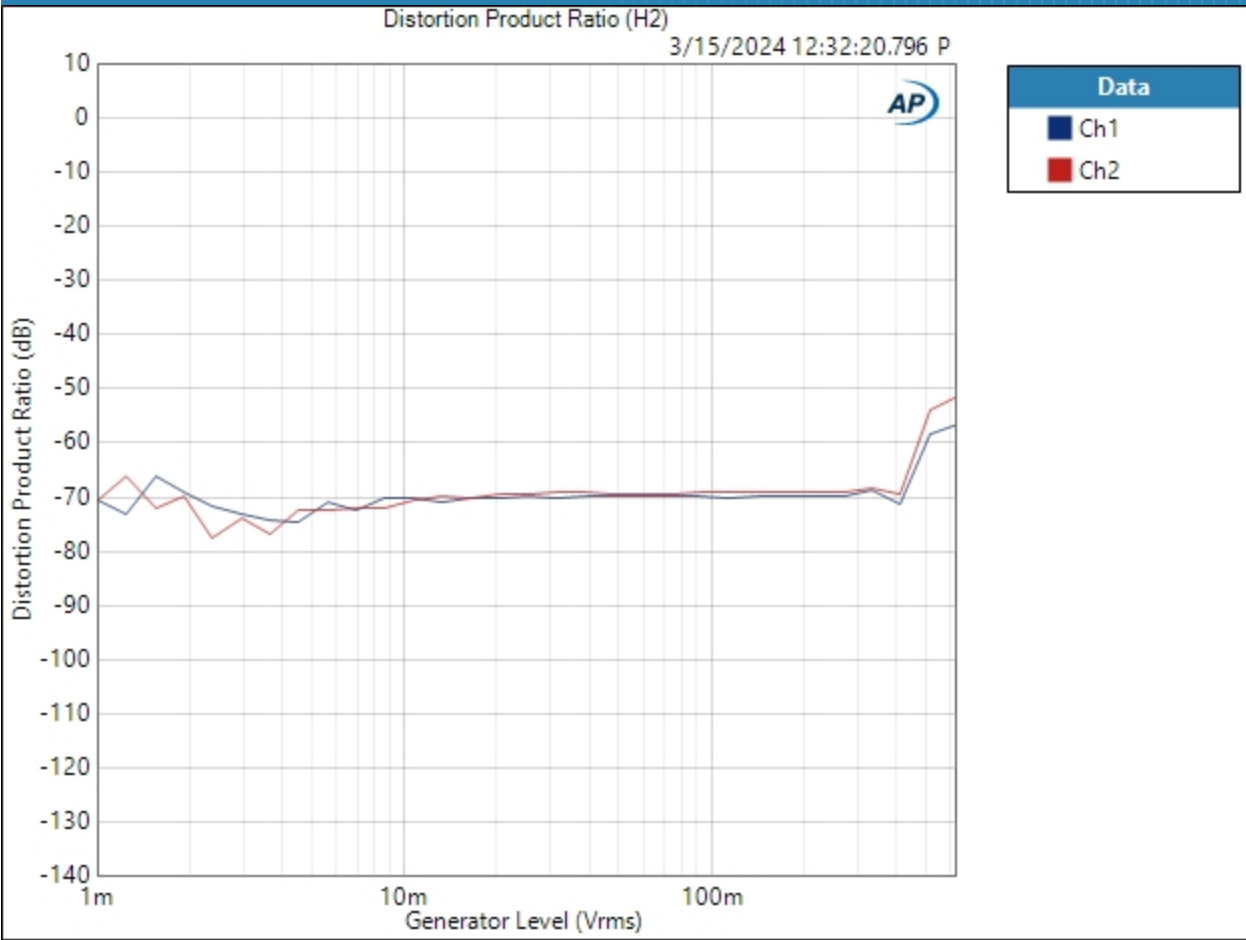
Harmonics: Single Harmonic

Harmonic Number: 2

Result: PASSED

Distortion Product Ratio (H2) (3/15/2024 12:32:20.796 PM)

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Distortion Product Ratio (H2) Parameters

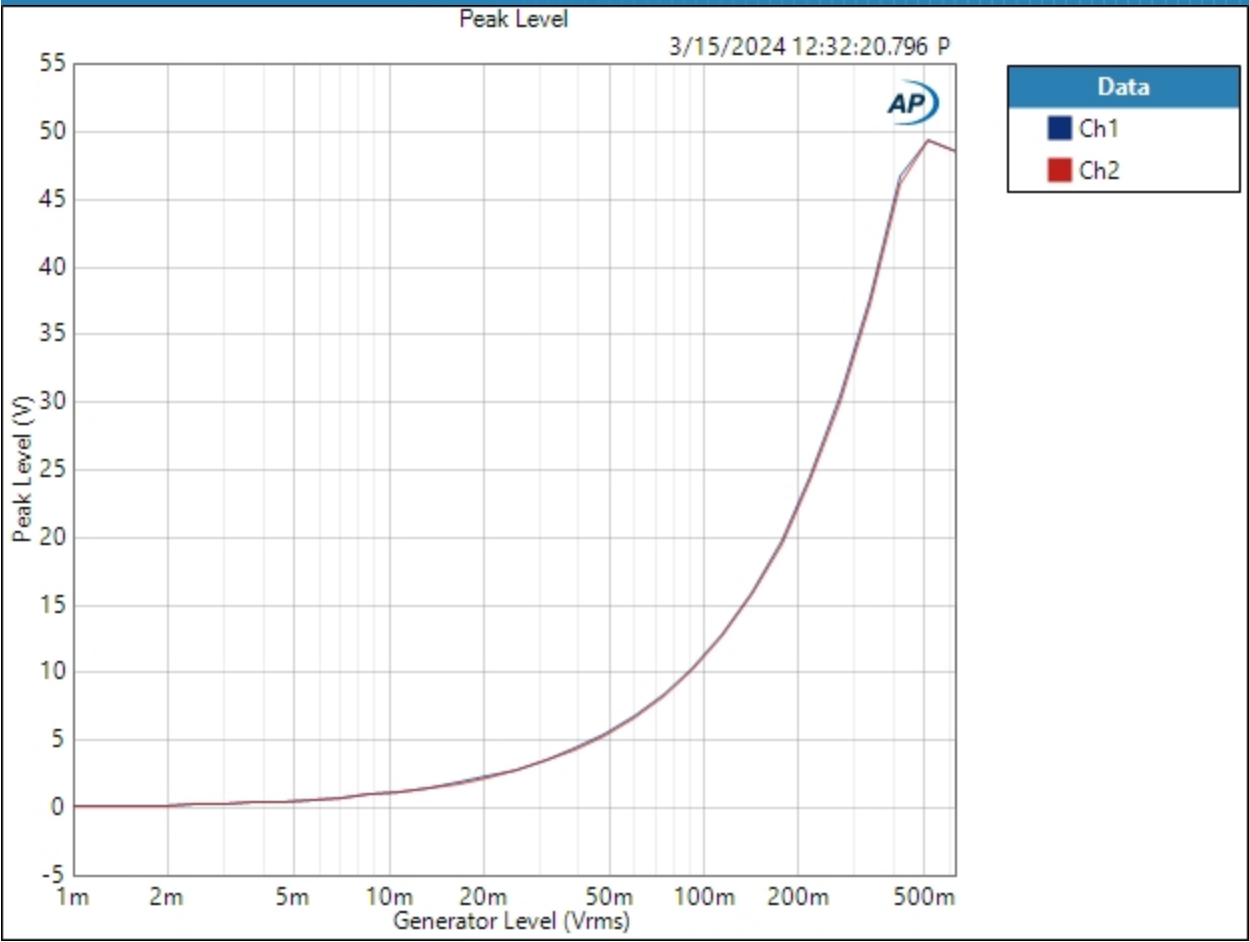
Harmonics: Single Harmonic

Harmonic Number: 2

Result: PASSED

Peak Level (3/15/2024 12:32:20.796 PM)

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Result: PASSED