



## Sequence Report



Pre-Sequence Inputs:

ID:

### Summary

#### SIG 0 - Gain

Level and Gain ✓ PASSED

#### SIG 1 - Bandwidth

200khz Bandwidth/Frequency Response ✓ PASSED

#### SIG 2 - 4Vrms 20hz-20khz Tests

Level and Gain ✓ PASSED

THD+N ✓ PASSED

Frequency Response ✓ PASSED

Signal to Noise Ratio ✓ PASSED

SINAD ✓ PASSED

IMD FFT ✓ PASSED

IMD Level Sweep ( SMPTE ) ✓ PASSED

1khz FFT ✓ PASSED

50hz FFT ✓ PASSED

DIM ✓ PASSED

DIM Level Sweep ✓ PASSED

Crosstalk Sweep, One Channel Undriven ✓ PASSED

THD+N vs Frequency ✓ PASSED

DC Level (Active) ✓ PASSED

DC Level (Idle) ✓ PASSED

32 Tone Test ✓ PASSED

CMRR (100hz) ✓ PASSED

CMRR (1khz) ✓ PASSED

CMRR (10khz) ✓ PASSED

#### SIG 3 - Square Wave

Square Wave ✓ PASSED

#### SIG 4 - THD+N 90Khz

Stepped Frequency Sweep ✓ PASSED

#### SIG 5 - 700mV Performance Tests (Headphone Level)

Level and Gain ✓ PASSED

THD+N ✓ PASSED

Signal to Noise Ratio ✓ PASSED

SINAD	✔ PASSED
IMD FFT	✔ PASSED
1khz FFT	✔ PASSED
50hz FFT	✔ PASSED
DIM	✔ PASSED
Crosstalk Sweep, One Channel Undriven	✔ PASSED
THD+N vs Frequency	✔ PASSED
DC Level (Active)	✔ PASSED
DC Level (Idle)	✔ PASSED
32 Tone Test	✔ PASSED

SIG 6 - 50mV Performance Tests (IEM Level)

Level and Gain	✔ PASSED
THD+N	✔ PASSED
Signal to Noise Ratio	✔ PASSED
SINAD	✔ PASSED
IMD FFT	✔ PASSED
1khz FFT	✔ PASSED
50hz FFT	✔ PASSED
DIM	✔ PASSED
Crosstalk Sweep, One Channel Undriven	✔ PASSED
THD+N vs Frequency	✔ PASSED
DC Level (Active)	✔ PASSED
DC Level (Idle)	✔ PASSED
32 Tone Test	✔ PASSED

Sequence Result:

Sequence Result: ✔ PASSED



## Sequence Report



### SIG 0 - Gain : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - AES17 (20 kHz)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	500.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	0.946 Vrms
dBrB:	0.946 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB



## Sequence Report



dBSPL1:	0.946 Vrms
dBSPL2:	10.00 mVrms
dBSPL1 Calibrator Level:	22.500 dB SPL
dBSPL2 Calibrator Level:	94.000 dB SPL
dBm (Input Power):	600.0 ohm
W(watts) (Input Power):	32.00 ohm
• DCX	
DCX is not detected.	
• Clocks	
Output Rate:	Track Output SR
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

### SIG 0 - Gain : Level and Gain

Waveform:	Sine
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Generator Level:	0.000 dBrG (@500.0 mVrms)
Frequency:	1.00000 kHz
Low-pass Filter:	Signal Path

### Gain (19/03/2023 20:09:58.975)

Ch1	5.537 dB
Ch2	5.509 dB



## Sequence Report



### SIG 1 - Bandwidth : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - 250k (624 kHz SR)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Disabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	500.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	0.946 Vrms
dBrB:	0.946 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	0.946 Vrms



## Sequence Report



dBSPL2:	10.00 mVrms
dBSPL1 Calibrator Level:	22.500 dB SPL
dBSPL2 Calibrator Level:	94.000 dB SPL
dBm (Input Power):	600.0 ohm
W(watts) (Input Power):	32.00 ohm
• DCX	
DCX is not detected.	
• Clocks	
Output Rate:	Track Output SR
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



## Sequence Report



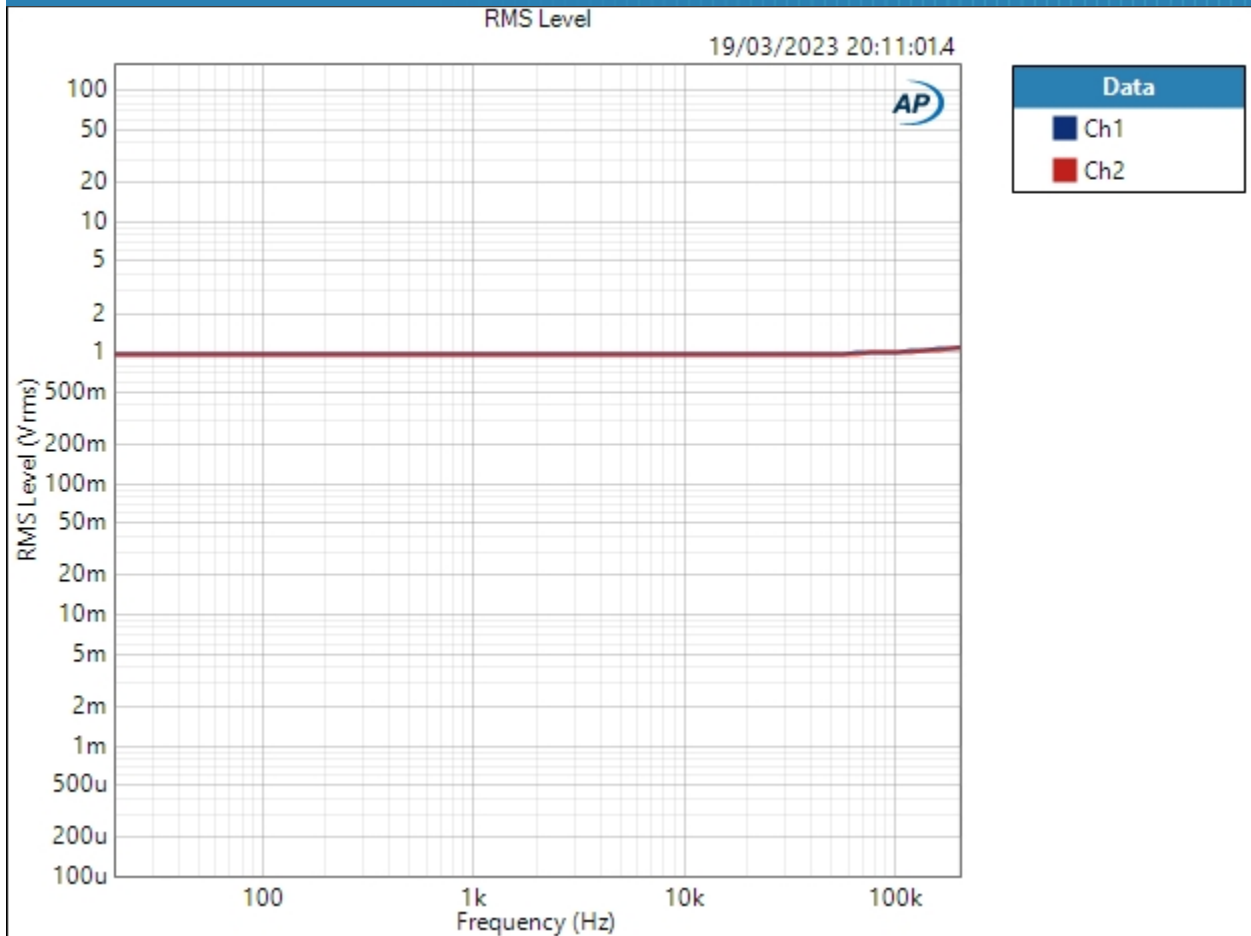
### SIG 1 - Bandwidth : 200khz Bandwidth/Frequency Response

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@500.0 mVrms)  
EQ: None  
Start Frequency: 204.750 kHz  
Stop Frequency: 20.0000 Hz  
Step Type: Logarithmic  
Number of Points: 64  
High-pass Filter: Elliptic  
High-pass Frequency: 20 Hz  
Low-pass Filter: Signal Path  
Weighting Filter: Signal Path  
Phase Ref Channel: Ch1  
Measured 1 19/03/2023 20:11:01

RMS Level (19/03/2023 20:11:01.419)



# Sequence Report



Result: PASSED





## Sequence Report



### ALERT USER - Reduce Pot : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - 90k (192 kHz SR)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	500.0 mVrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	0.946 Vrms
dBrB:	0.946 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	0.946 Vrms



## Sequence Report



dBSPL2:	10.00 mVrms
dBSPL1 Calibrator Level:	22.500 dB SPL
dBSPL2 Calibrator Level:	94.000 dB SPL
dBm (Input Power):	600.0 ohm
W(watts) (Input Power):	32.00 ohm
• DCX	
DCX is not detected.	
• Clocks	
Output Rate:	Track Output SR
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



## Sequence Report



### SIG 2 - 4Vrms 20hz-20khz Tests : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - AES17 (20 kHz)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	4.000 Vrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	4.012 Vrms
dBrB:	4.012 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	4.012 Vrms



## Sequence Report



dBSPL2: 10.00 mVrms  
dBSPL1 Calibrator Level: 21.500 dB SPL  
dBSPL2 Calibrator Level: 94.000 dB SPL  
dBm (Input Power): 600.0 ohm  
W(watts) (Input Power): 32.00 ohm

- DCX  
DCX is not detected.
- Clocks  
Output Rate: Track Output SR  
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

### SIG 2 - 4Vrms 20hz-20khz Tests : Level and Gain

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Low-pass Filter: Signal Path

### RMS Level (19/03/2023 20:11:38.922)

Ch1 4.012 Vrms  
Ch2 3.989 Vrms

### Gain (19/03/2023 20:11:38.922)

Ch1 0.026 dB  
Ch2 -0.024 dB



## Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : THD+N

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:11:43.372)

Ch1 0.000482 %

Ch2 0.000329 %

THD+N Level (19/03/2023 20:11:43.372)

Ch1 19.34 uVrms

Ch2 13.12 uVrms

THD Ratio (19/03/2023 20:11:43.372)

Ch1 0.000347 %

Ch2 0.000119 %

THD Level (19/03/2023 20:11:43.372)

Ch1 13.94 uVrms

Ch2 4.765 uVrms

Noise Ratio (19/03/2023 20:11:43.372)

Ch1 0.000337 %

Ch2 0.000304 %

Noise Level (19/03/2023 20:11:43.372)

Ch1 13.51 uVrms

Ch2 12.15 uVrms

Distortion Product Ratio (19/03/2023 20:11:43.372)



## Sequence Report



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	-109.60	-129.25	-121.94	-140.88	-129.85	-140.95	-138.51	-144.45	-139.62
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-122.23	-123.94	-130.41	-133.64	-134.82	-138.99	-133.46	-137.83	-139.79

### Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1

### Distortion Product Level (19/03/2023 20:11:43.372)

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	4.015	13.29 u	1.384 u	3.213 u	362.6 n	1.291 u	359.9 n	476.6 n	240.5 n	419.5 n
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	3.992	3.086 u	2.536 u	1.204 u	830.5 n	724.4 n	448.1 n	847.7 n	512.5 n	409.0 n

### Distortion Product Level Parameters

Frequency Unit: Hz

Level Unit: Vrms

Channel: Ch1



## Sequence Report



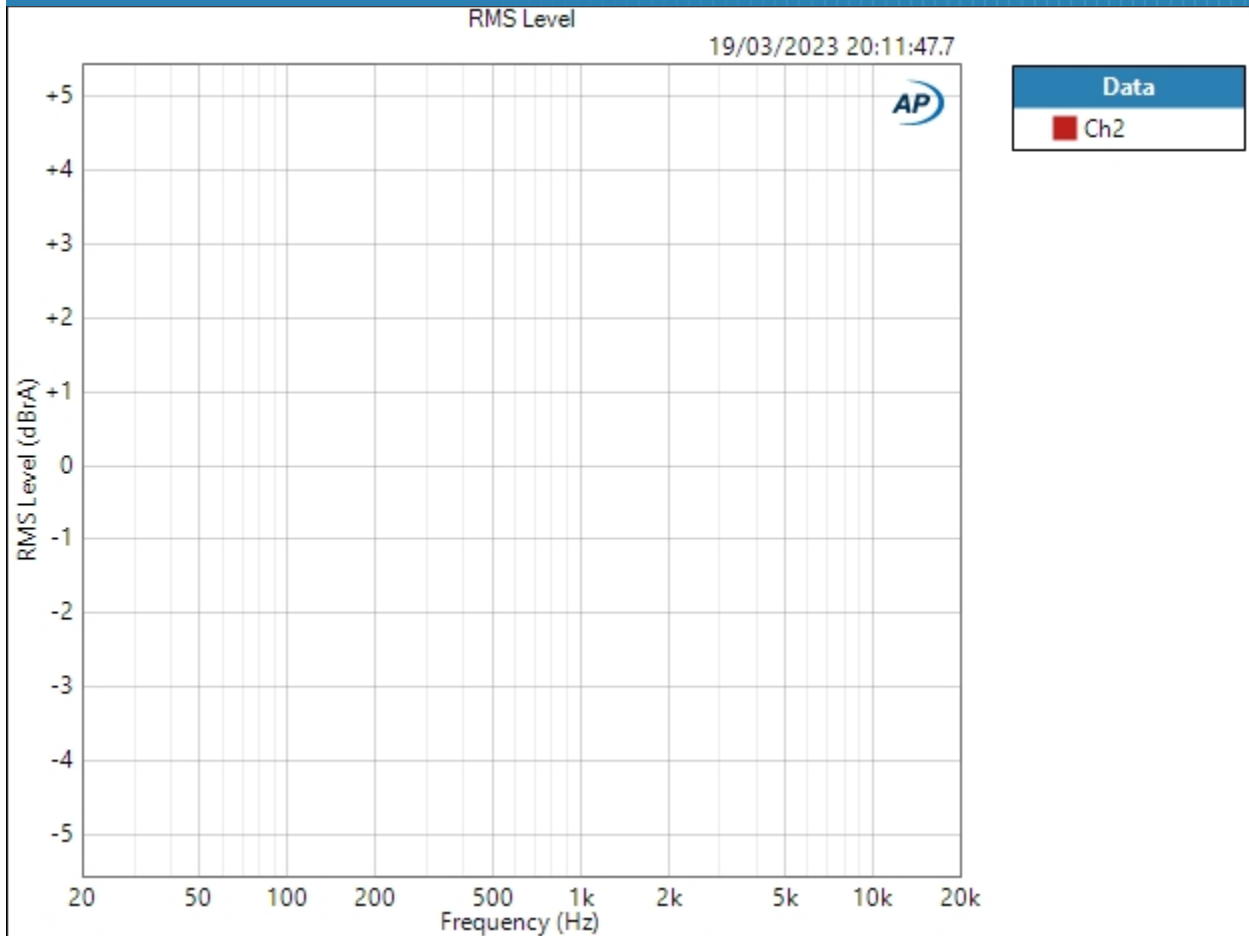
### SIG 2 - 4Vrms 20hz-20khz Tests : Frequency Response

Start Frequency:	20.0000 Hz
Stop Frequency:	20.0000 kHz
Generator Level:	0.000 dBrG (@4.000 Vrms)
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	19/03/2023 20:11:47

RMS Level (19/03/2023 20:11:47.723)



## Sequence Report



Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (19/03/2023 20:11:47.723)

Ch1  $\pm 0.052$  dB

Ch2  $\pm 25.979$  dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz





## Sequence Report



### SIG 2 - 4Vrms 20hz-20khz Tests : Signal to Noise Ratio

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:11:52.350)

Ch1 110.274 dB  
Ch2 110.797 dB

### SIG 2 - 4Vrms 20hz-20khz Tests : SINAD

Waveform: Sine (1 kHz)  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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

### SINAD (19/03/2023 20:11:55.612)

Ch1 106.224 dB  
Ch2 109.546 dB



## Sequence Report



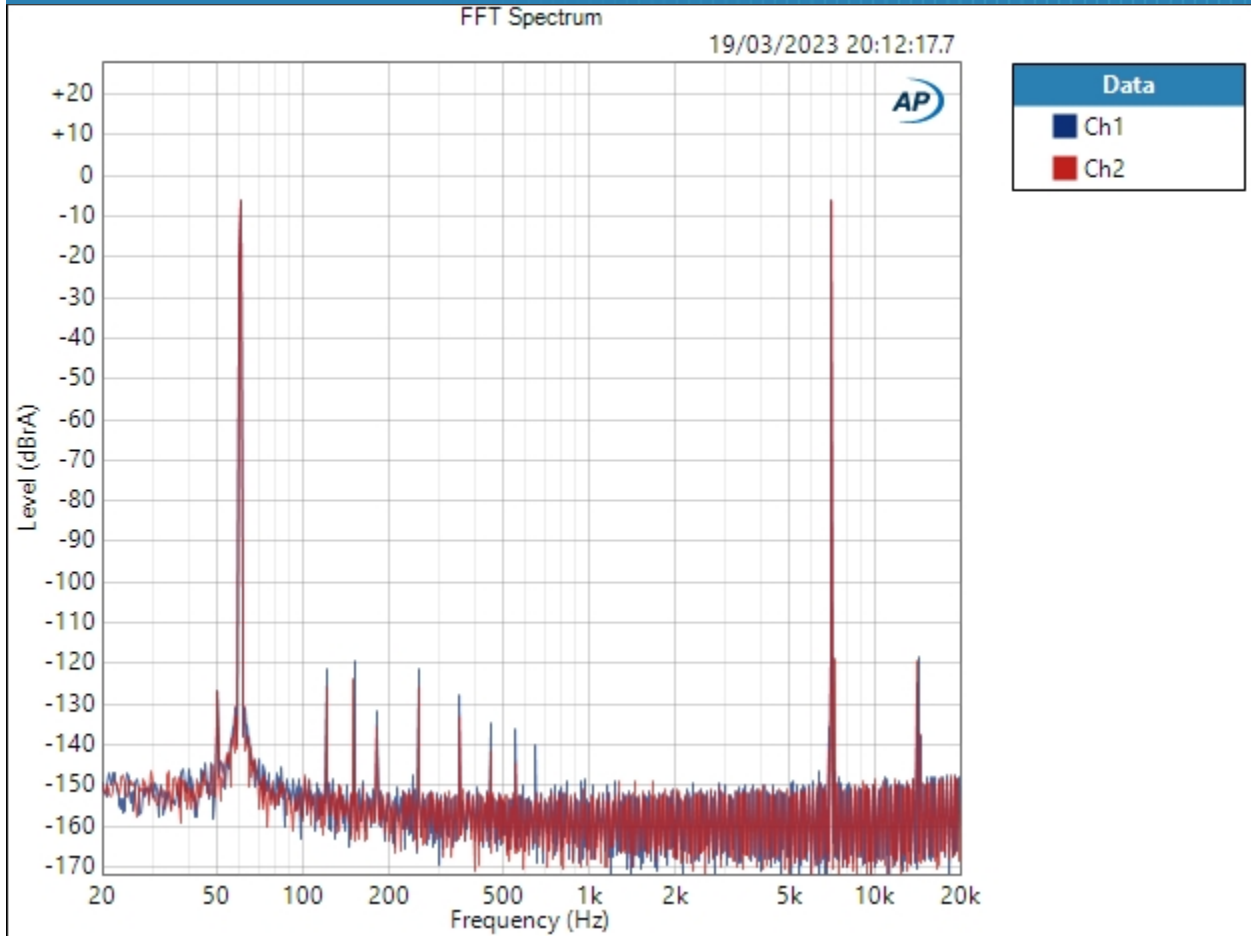
### SIG 2 - 4Vrms 20hz-20khz Tests : IMD FFT

Waveform: Sine, Dual  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 60.0000 Hz  
Frequency B: 7.00000 kHz  
IMD Split: No  
FB:FA Ratio: 1.000 x/y  
Secondary Source: None  
Measured 1 19/03/2023 20:12:17  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:12:17.747)



# Sequence Report



Result:  PASSED



## Sequence Report



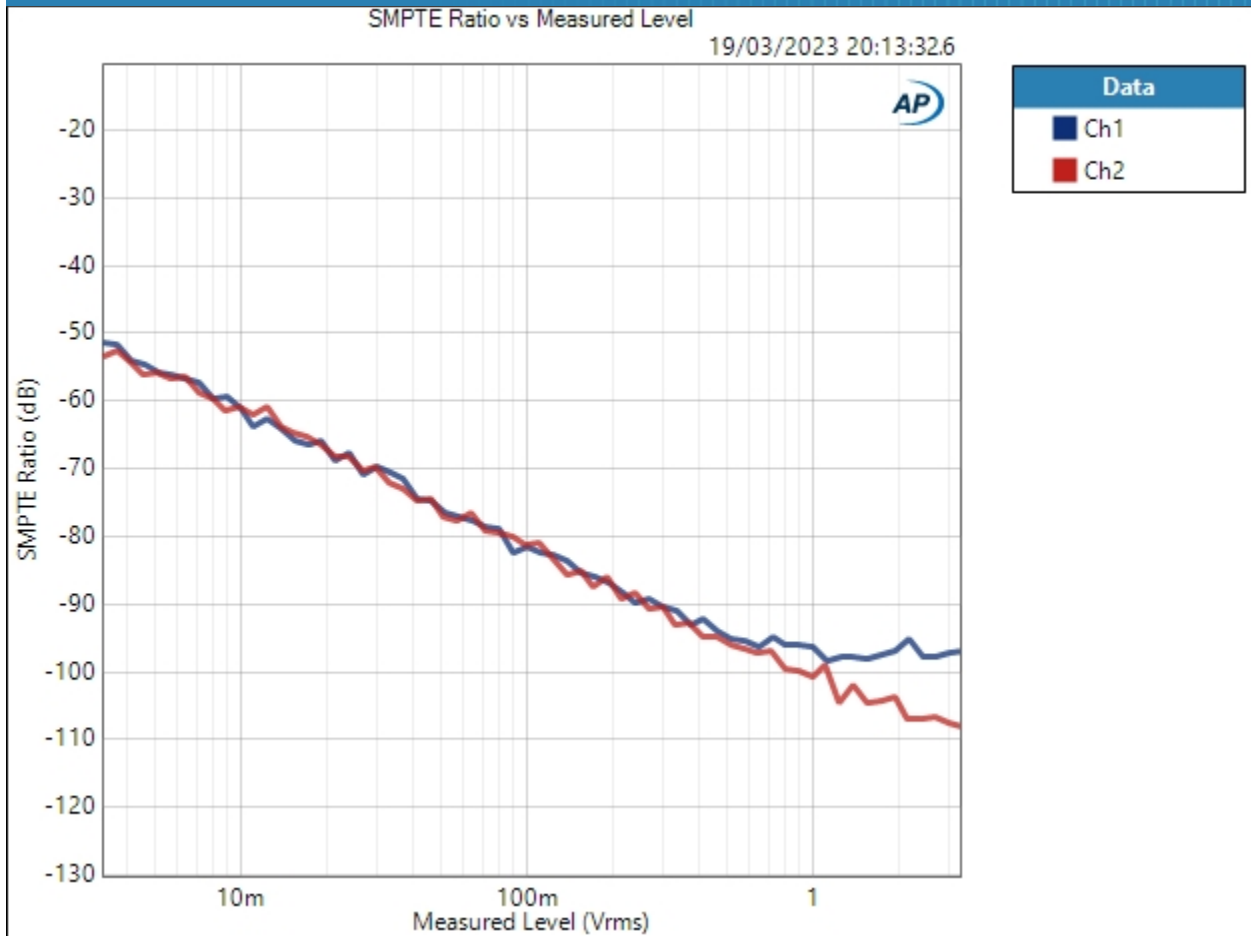
### SIG 2 - 4Vrms 20hz-20khz Tests : IMD Level Sweep ( SMPTE )

IMD Type: SMPTE  
Frequency 1: 60.0000 Hz  
Frequency 2: 7.00000 kHz  
Frequency Ratio: 4:1  
IMD Split: False  
Start Level: -60.000 dBrG  
Stop Level: 0.000 dBrG  
Step Type: Linear  
Number of Points: 64  
Step Size: +0.952 dBrG  
Measured 1 19/03/2023 20:13:32

SMPTE Ratio vs Measured Level (19/03/2023 20:13:32.637)



# Sequence Report



Result: PASSED



## Sequence Report



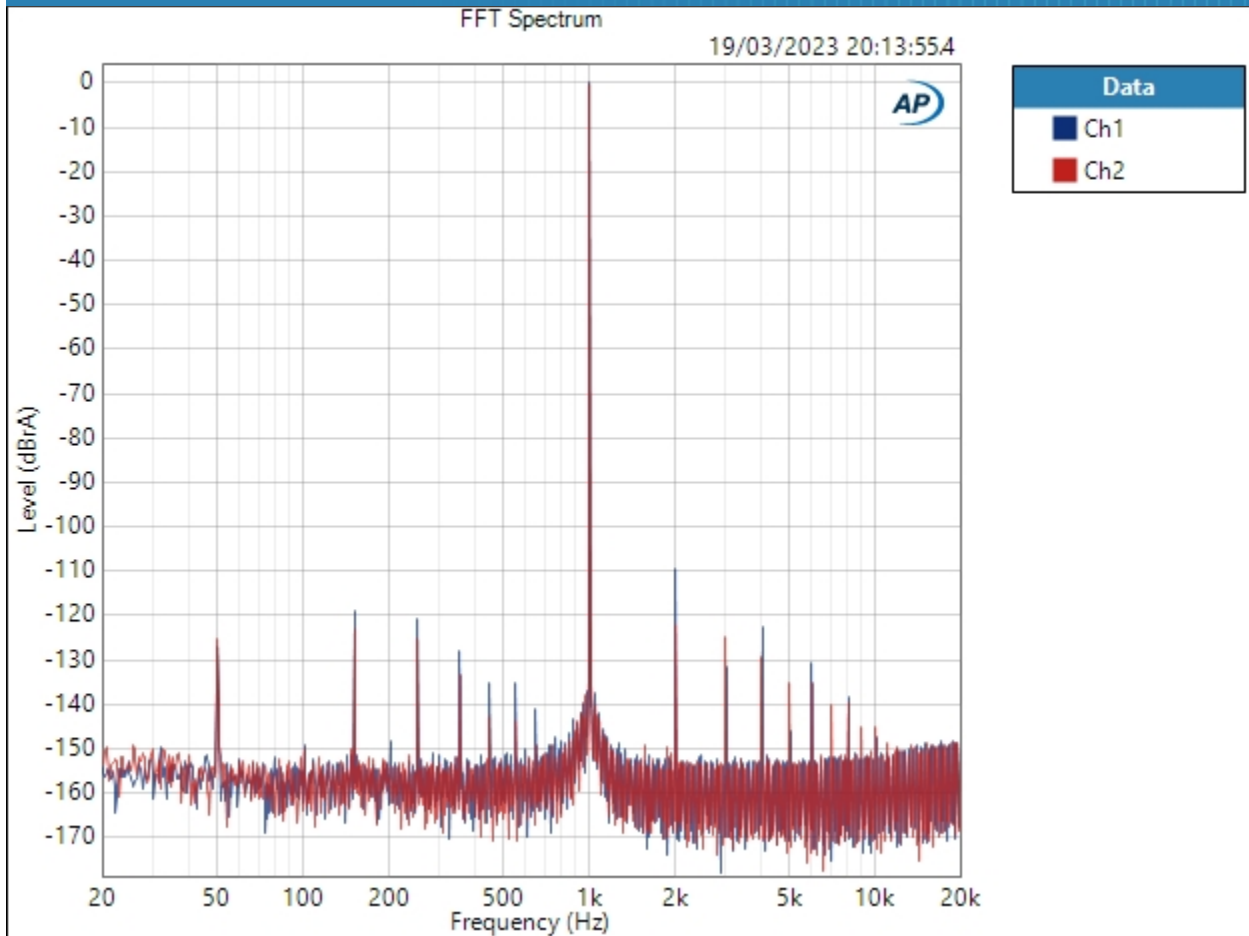
SIG 2 - 4Vrms 20hz-20khz Tests : 1khz FFT

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Secondary Source: None  
Measured 1: 19/03/2023 20:13:55  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:13:55.425)



# Sequence Report



Result: PASSED



## Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : 50hz FFT

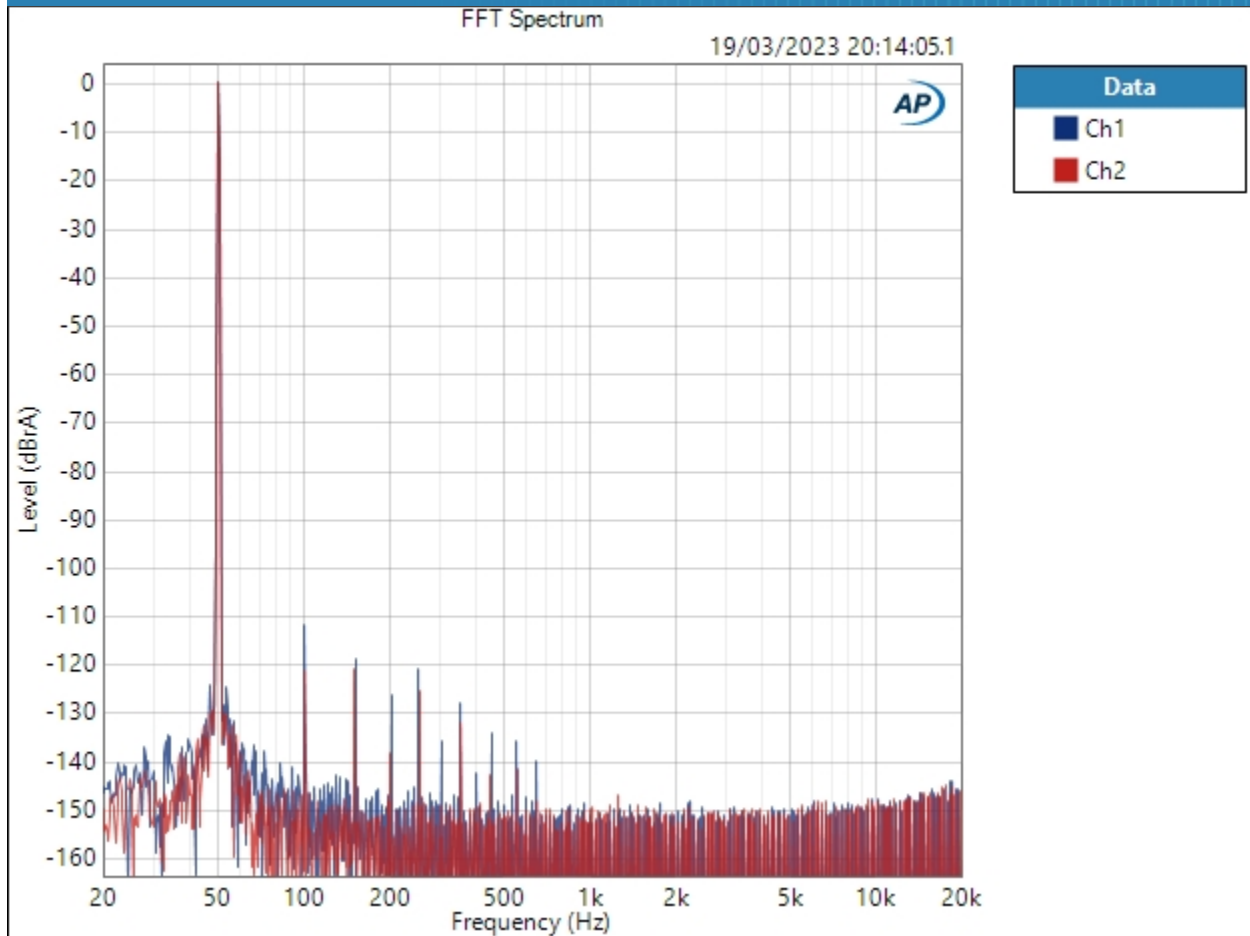
Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 50.0000 Hz  
Secondary Source: None  
Measured 1 19/03/2023 20:14:05  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 1  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:14:05.192)





# Sequence Report



Result:  PASSED



## Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

DIM Ratio (19/03/2023 20:14:08.356)

Ch1 -100.600 dB

Ch2 -98.345 dB

Distortion Product Ratio (19/03/2023 20:14:08.356)

Channel	U5	U4	fq	U6	U3	U7	U2	U8	U1	U9	
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch1	-110.85	-115.37	14.09	-114.36	-110.84	-111.40	-113.00	-110.48	-104.28	-112.56	0.00
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch2	-112.62	-115.06	14.09	-114.10	-110.20	-113.00	-112.56	-110.68	-99.96	-113.53	0.00

Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1



## Sequence Report



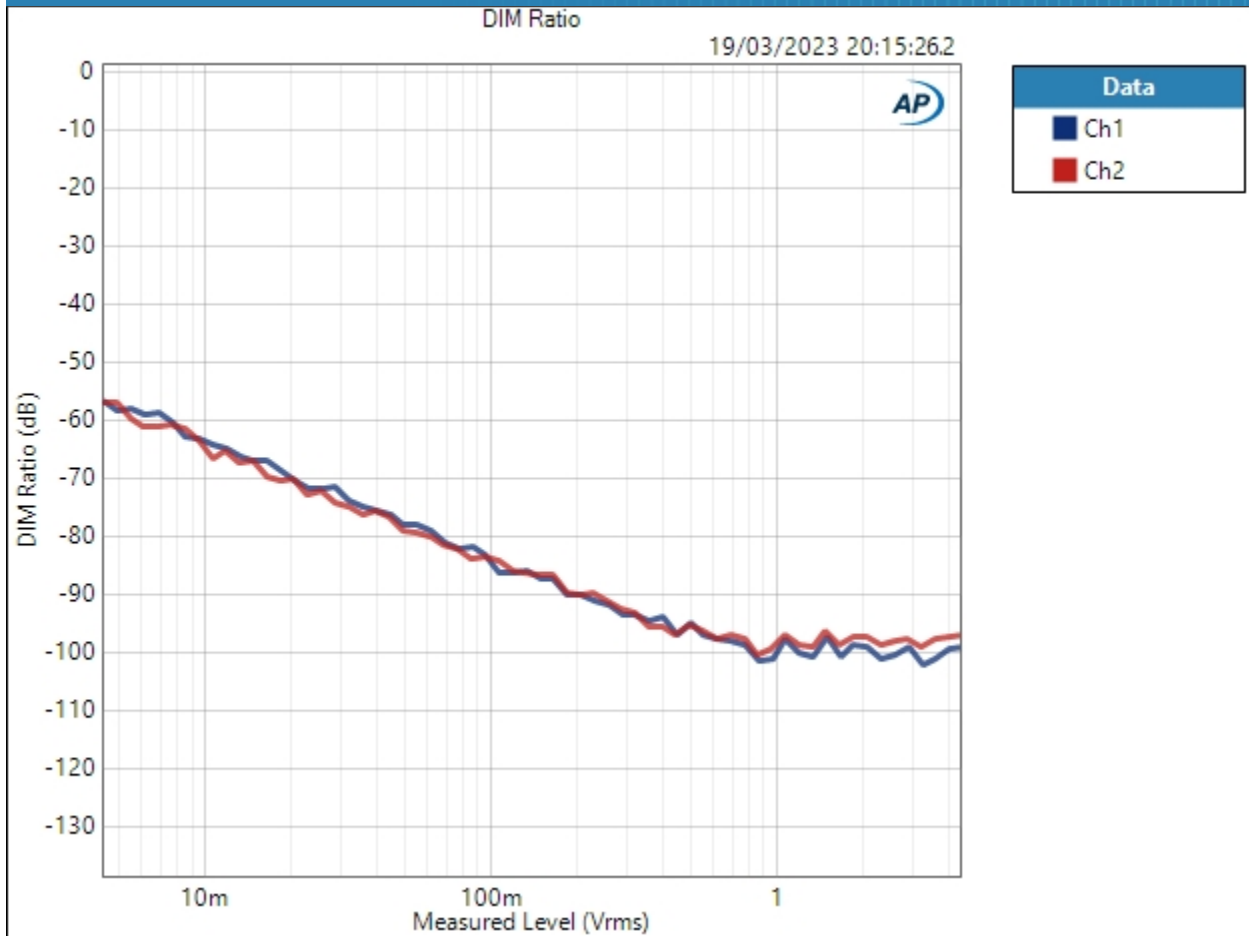
### SIG 2 - 4Vrms 20hz-20khz Tests : DIM Level Sweep

Waveform: DIM 30  
Square Freq: 3.15000 kHz  
Sine Freq: 15.0000 kHz  
Start Level: -60.000 dBrG  
Stop Level: 0.000 dBrG  
Step Type: Linear  
Number of Points: 64  
Step Size: +0.952 dBrG  
Mode: U1...U9  
Measured 1 19/03/2023 20:15:26  
Low-pass Filter: 30 kHz

DIM Ratio (19/03/2023 20:15:26.273)



# Sequence Report



Result: PASSED



## Sequence Report



SIG 2 - 4Vrms 20hz-20khz Tests : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

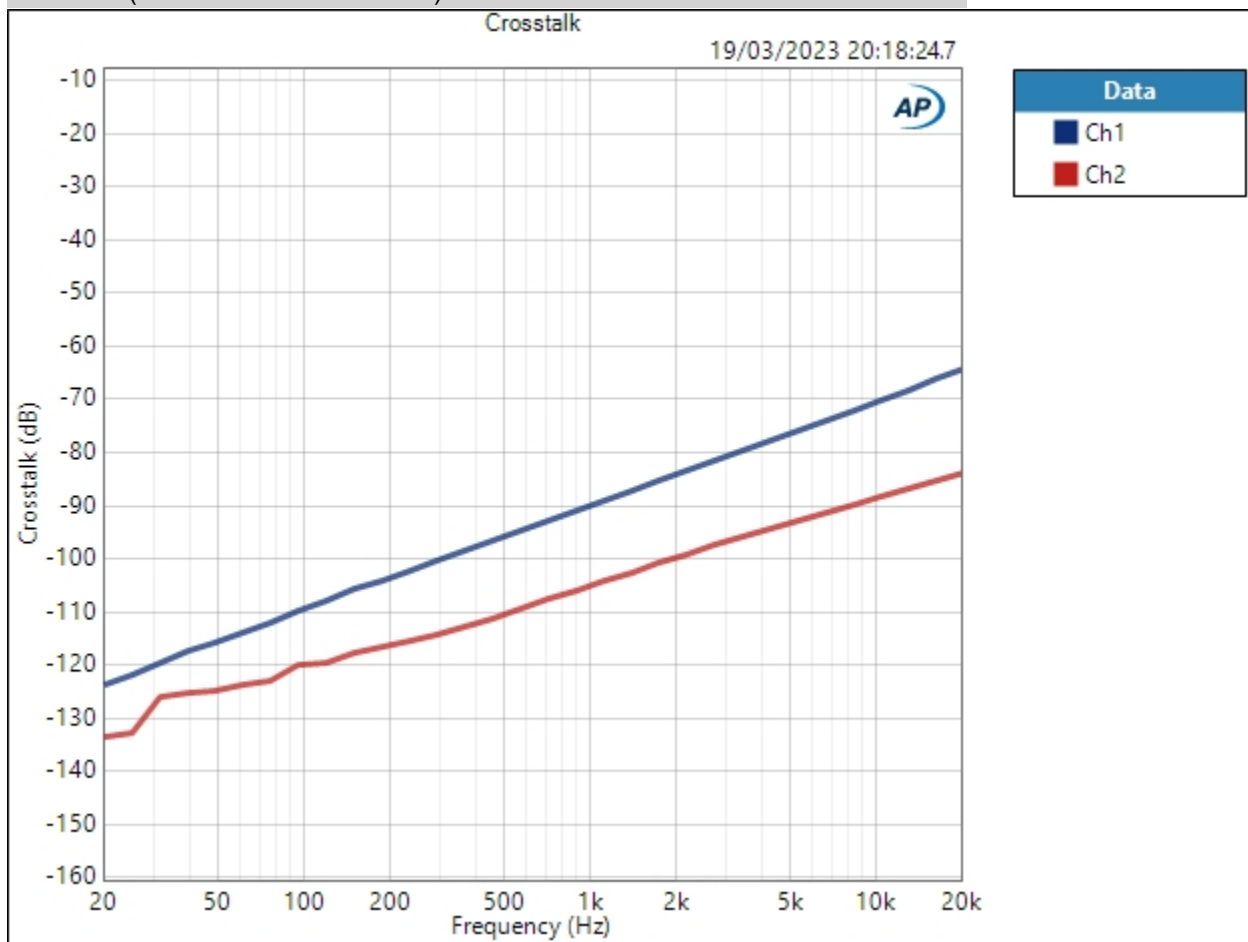
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 19/03/2023 20:18:24

Crosstalk (19/03/2023 20:18:24.742)





## Sequence Report



Result:  PASSED



## Sequence Report



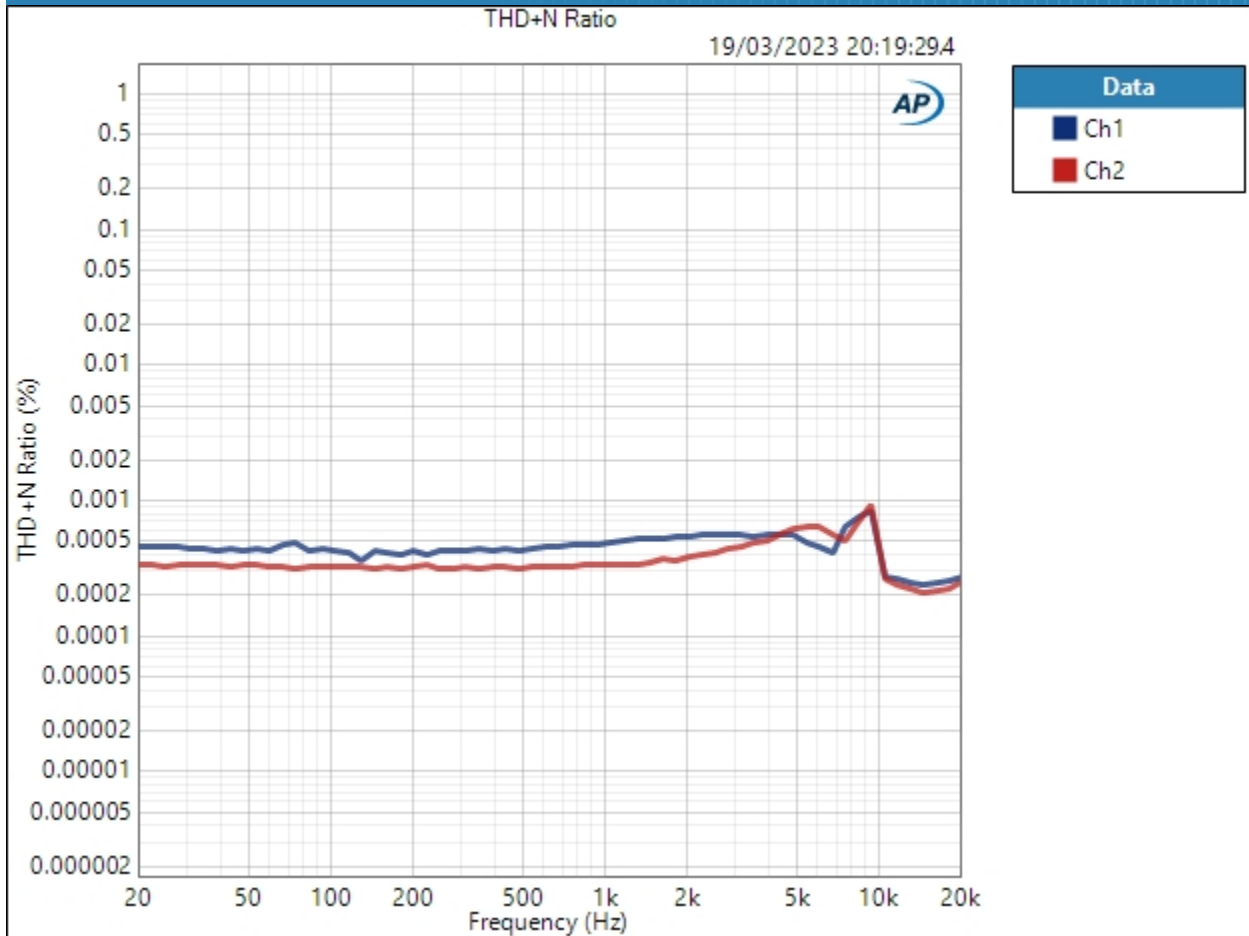
SIG 2 - 4Vrms 20hz-20khz Tests : THD+N vs Frequency

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
EQ: None  
Start Frequency: 20.0000 kHz  
Stop Frequency: 20.0000 Hz  
Step Type: Logarithmic  
Number of Points: 64  
High-pass Filter: Elliptic  
High-pass Frequency: 20 Hz  
Low-pass Filter: Signal Path  
Weighting Filter: Signal Path  
Phase Ref Channel: Ch1  
Measured 1 19/03/2023 20:19:29

THD+N Ratio (19/03/2023 20:19:29.408)



# Sequence Report



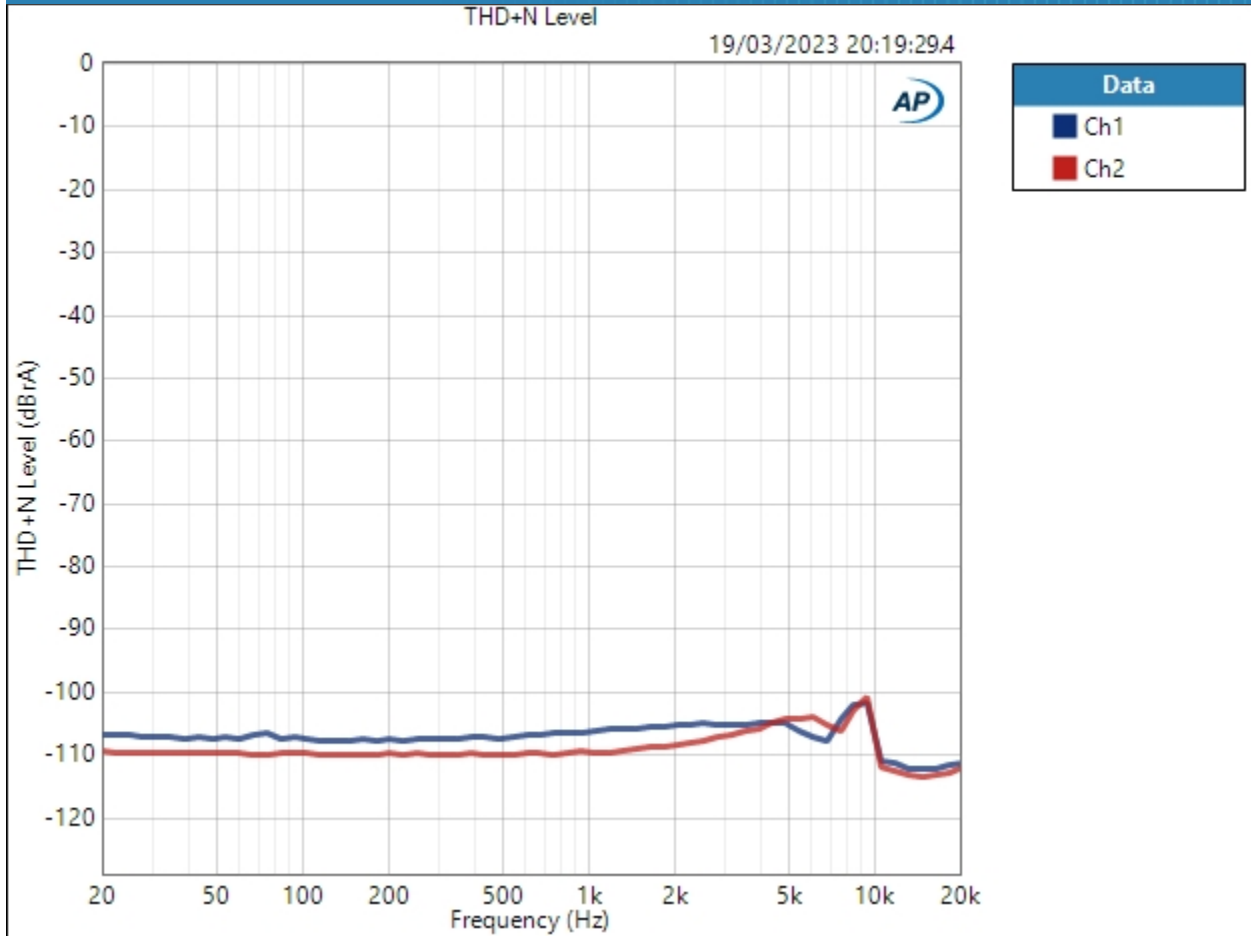
Result: ✔ PASSED

THD+N Level (19/03/2023 20:19:29.408)





# Sequence Report



Result: PASSED



## Sequence Report



### SIG 2 - 4Vrms 20hz-20khz Tests : DC Level (Active)

Waveform: Sine  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Delay Time: 100.0 ms  
Acquisition Time: 333.0 ms

### DC Level (19/03/2023 20:19:38.076)

Ch1 186.2 uV  
Ch2 -2.550 uV

### SIG 2 - 4Vrms 20hz-20khz Tests : DC Level (Idle)

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 (19/03/2023 20:19:46.101)

Ch1 -90.04 uV  
Ch2 4.571 uV



## Sequence Report



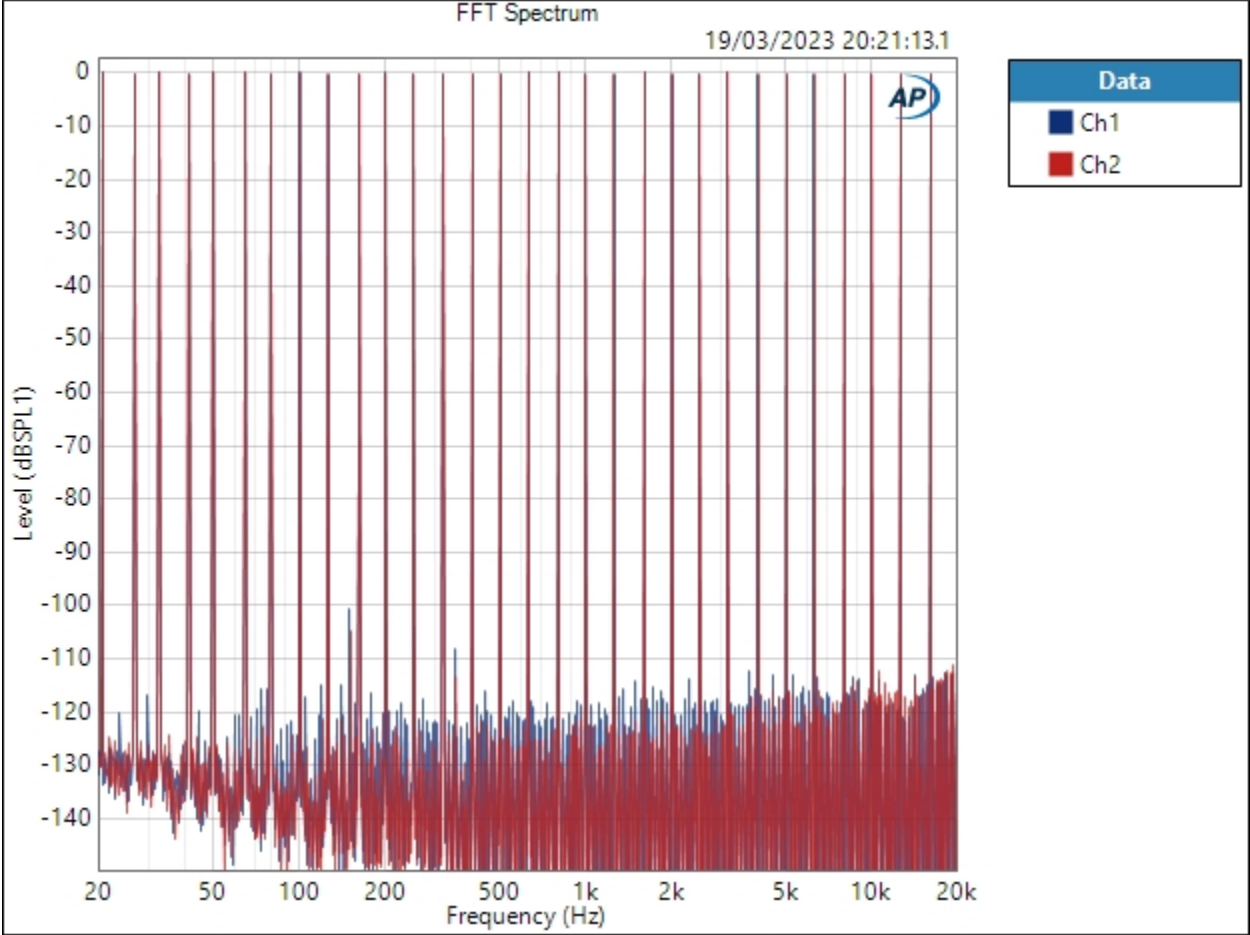
### SIG 2 - 4Vrms 20hz-20khz Tests : 32 Tone Test

Waveform: 32 Tone Test.wav  
Start Offset (sec): 0.000 s  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Secondary Source: None  
Measured 1 19/03/2023 20:21:13  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 1248000  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:21:13.111)



# Sequence Report AP



Result: ✔ PASSED



## Sequence Report



### SIG 2 - 4Vrms 20hz-20khz Tests : CMRR (100hz)

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 4.000 Vrms  
Frequency: 100.000 Hz

#### CMRR (19/03/2023 20:21:16.800)

Ch1 58.084 dB  
Ch2 58.518 dB

### SIG 2 - 4Vrms 20hz-20khz Tests : CMRR (1khz)

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 4.000 Vrms  
Frequency: 1.00000 kHz

#### CMRR (19/03/2023 20:21:19.436)

Ch1 58.064 dB  
Ch2 58.497 dB

### SIG 2 - 4Vrms 20hz-20khz Tests : CMRR (10khz)

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 4.000 Vrms  
Frequency: 10.0000 kHz

#### CMRR (19/03/2023 20:21:22.084)

Ch1 57.911 dB  
Ch2 58.304 dB



## Sequence Report



### SIG 3 - Square Wave : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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 - 1M (2.496 MHz SR)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Disabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	4.000 Vrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	4.019 Vrms
dBrB:	4.019 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	4.019 Vrms



## Sequence Report



dBSPL2:	10.00 mVrms
dBSPL1 Calibrator Level:	21.500 dB SPL
dBSPL2 Calibrator Level:	94.000 dB SPL
dBm (Input Power):	600.0 ohm
W(watts) (Input Power):	32.00 ohm
• DCX	
DCX is not detected.	
• Clocks	
Output Rate:	Track Output SR
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



## Sequence Report



SIG 3 - Square Wave : Square Wave

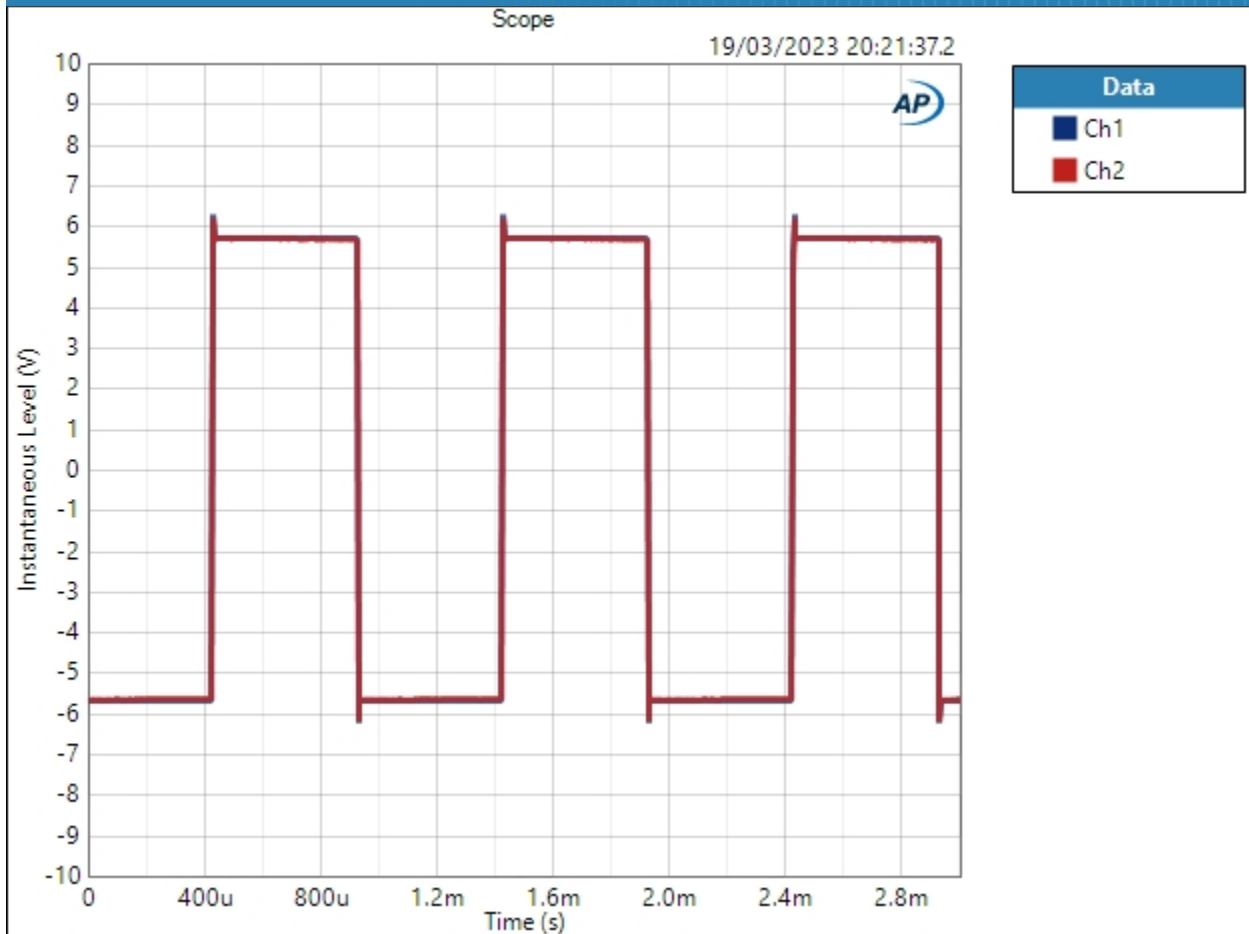
Waveform: Square  
Generator Level: 4.000 Vrms  
Frequency: 1.00000 kHz  
Secondary Source: None  
Measured 1 19/03/2023 20:21:37  
Acquisition Type: Auto  
Trigger: Generator  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 1248000  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

Scope (19/03/2023 20:21:37.229)





## Sequence Report



Scope Parameters

Interpolated: On

Result: PASSED



## Sequence Report



### SIG 4 - THD+N 90Khz : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - 90k (192 kHz SR)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	4.000 Vrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	4.019 Vrms
dBrB:	4.019 Vrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	4.019 Vrms



## Sequence Report



dBSPL2:	10.00 mVrms
dBSPL1 Calibrator Level:	21.500 dB SPL
dBSPL2 Calibrator Level:	94.000 dB SPL
dBm (Input Power):	600.0 ohm
W(watts) (Input Power):	32.00 ohm
• DCX	
DCX is not detected.	
• Clocks	
Output Rate:	Track Output SR
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



## Sequence Report



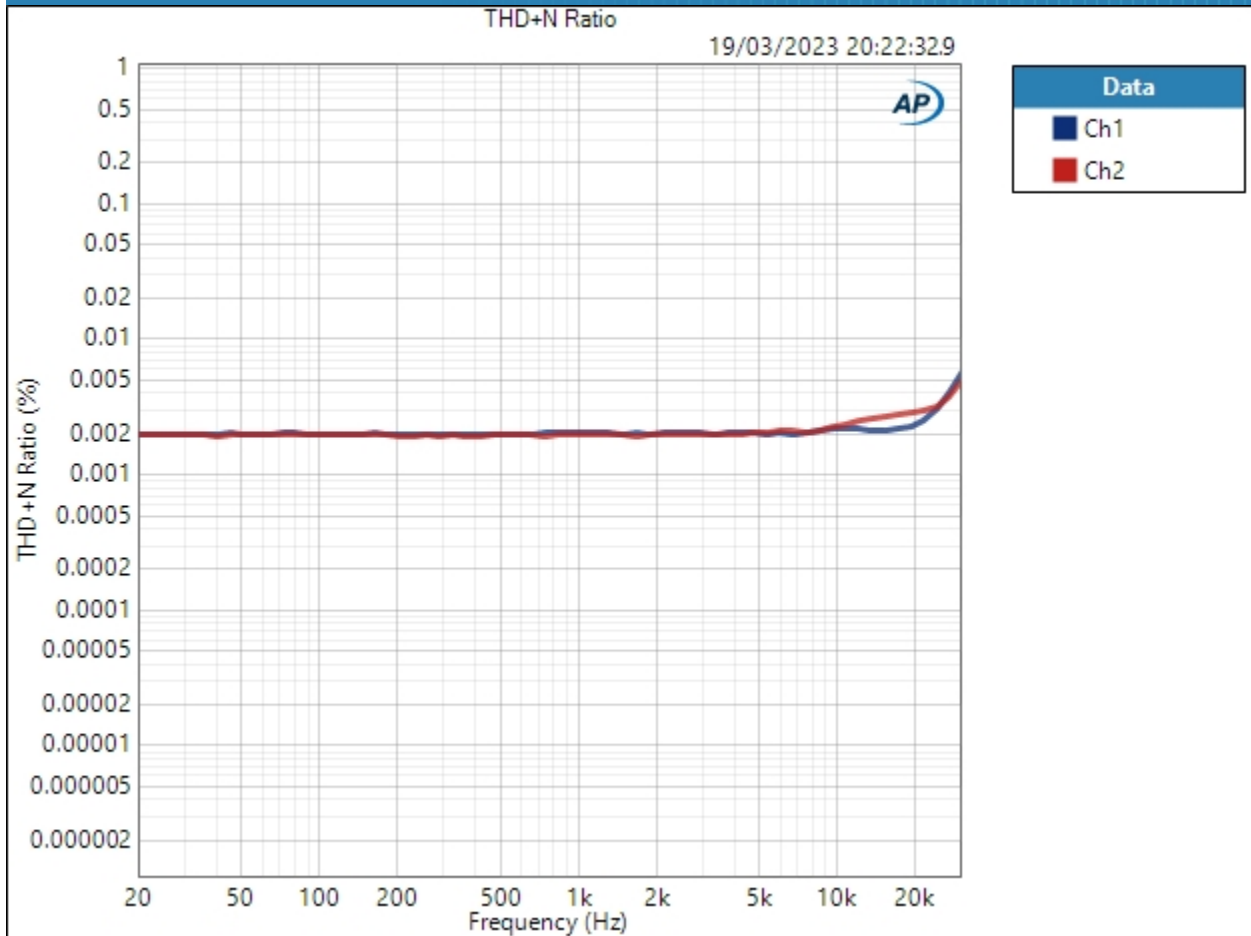
### SIG 4 - THD+N 90Khz : Stepped Frequency Sweep

Waveform:	Sine
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Generator Level:	0.000 dBrG (@4.000 Vrms)
EQ:	None
Start Frequency:	30.0000 kHz
Stop Frequency:	20.0000 Hz
Step Type:	Logarithmic
Number of Points:	64
High-pass Filter:	Elliptic
High-pass Frequency:	20 Hz
Low-pass Filter:	Signal Path
Weighting Filter:	Signal Path
Phase Ref Channel:	Ch1
Measured 1	19/03/2023 20:22:32

THD+N Ratio (19/03/2023 20:22:32.932)



# Sequence Report

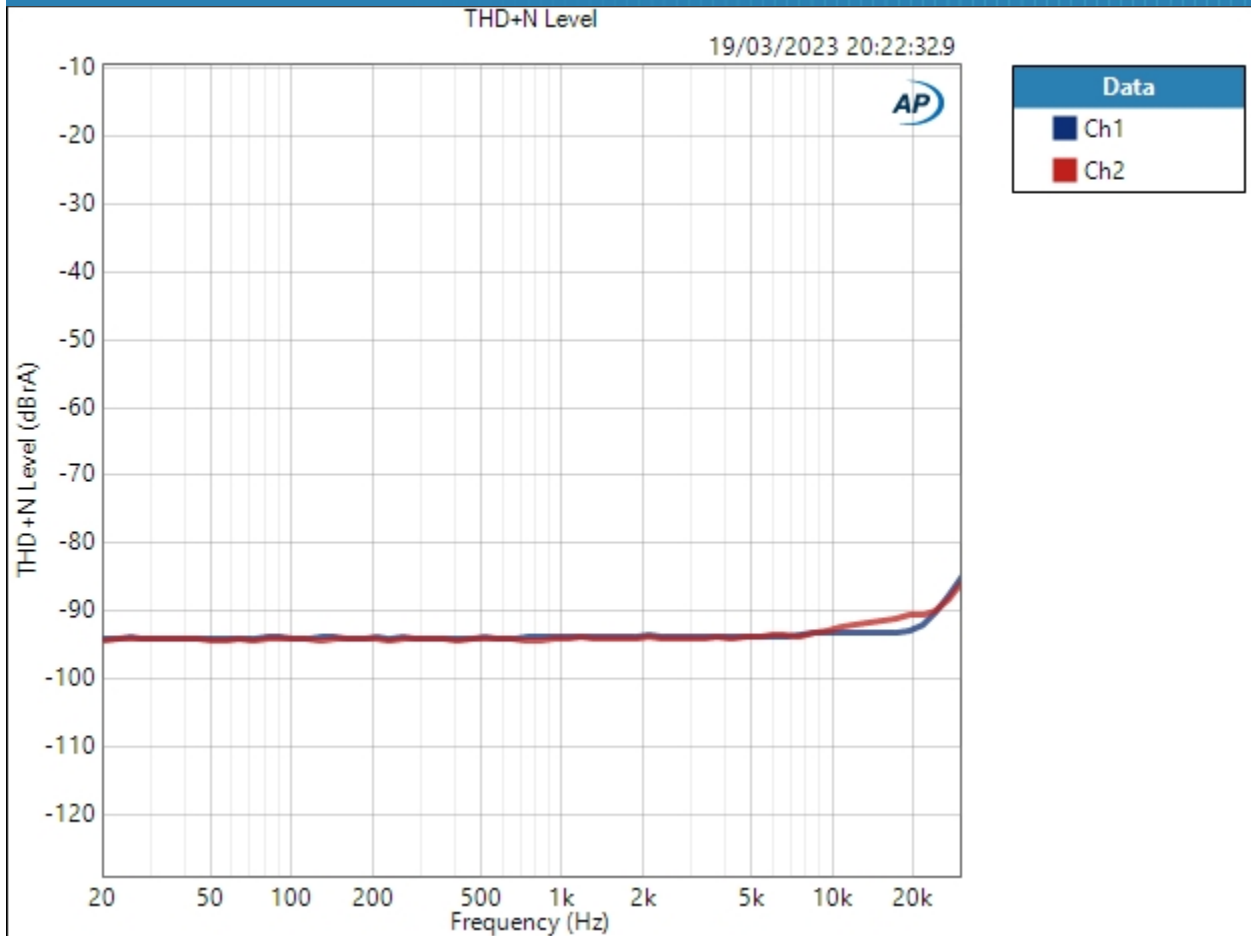


Result: ✔ PASSED

THD+N Level (19/03/2023 20:22:32.932)



# Sequence Report



Result: PASSED



## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - AES17 (20 kHz)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	4.000 Vrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	700.1 mVrms
dBrB:	700.1 mVrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	700.1 mVrms



## Sequence Report



dBSPL2: 10.00 mVrms  
dBSPL1 Calibrator Level: 21.500 dB SPL  
dBSPL2 Calibrator Level: 94.000 dB SPL  
dBm (Input Power): 600.0 ohm  
W(watts) (Input Power): 32.00 ohm

- DCX  
DCX is not detected.
- Clocks  
Output Rate: Track Output SR  
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

### SIG 5 - 700mV Performance Tests (Headphone Level) : Level and Gain

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Low-pass Filter: Signal Path

#### RMS Level (19/03/2023 20:24:32.562)

Ch1 700.1 mVrms  
Ch2 710.7 mVrms

#### Gain (19/03/2023 20:24:32.562)

Ch1 -15.138 dB  
Ch2 -15.008 dB





## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : THD+N

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:24:35.436)

Ch1 0.001621 %

Ch2 0.001484 %

#### THD+N Level (19/03/2023 20:24:35.436)

Ch1 11.35 uVrms

Ch2 10.55 uVrms

#### THD Ratio (19/03/2023 20:24:35.436)

Ch1 0.000319 %

Ch2 0.000256 %

#### THD Level (19/03/2023 20:24:35.436)

Ch1 2.238 uVrms

Ch2 1.820 uVrms

#### Noise Ratio (19/03/2023 20:24:35.436)

Ch1 0.001591 %

Ch2 0.001462 %

#### Noise Level (19/03/2023 20:24:35.436)

Ch1 11.15 uVrms

Ch2 10.40 uVrms

#### Distortion Product Ratio (19/03/2023 20:24:35.436)



# Sequence Report AP

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	-113.89	-126.53	-127.91	-125.83	-126.04	-125.63	-122.53	-124.25	-130.00
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-120.86	-120.06	-126.98	-130.23	-124.10	-123.55	-125.95	-126.53	-126.44

### Distortion Product Ratio Parameters

Frequency Unit: Hz  
 Ratio Unit: dB  
 Channel: Ch1

### Distortion Product Level (19/03/2023 20:24:35.436)

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	700.5 m	1.415 u	330.2 n	281.9 n	357.9 n	349.4 n	366.6 n	523.6 n	429.6 n	221.6 n
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	711.1 m	643.8 n	706.1 n	318.4 n	219.1 n	443.7 n	472.6 n	358.6 n	335.3 n	338.8 n

### Distortion Product Level Parameters

Frequency Unit: Hz  
 Level Unit: Vrms  
 Channel: Ch1



## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : Signal to Noise Ratio

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:24:38.327)

Ch1 95.824 dB

Ch2 96.561 dB



## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : SINAD

Waveform: Sine (1 kHz)  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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

### SINAD (19/03/2023 20:24:40.984)

Ch1 95.768 dB

Ch2 96.586 dB

### ENOB (19/03/2023 20:24:40.984)

Ch1 15.6

Ch2 15.8



## Sequence Report



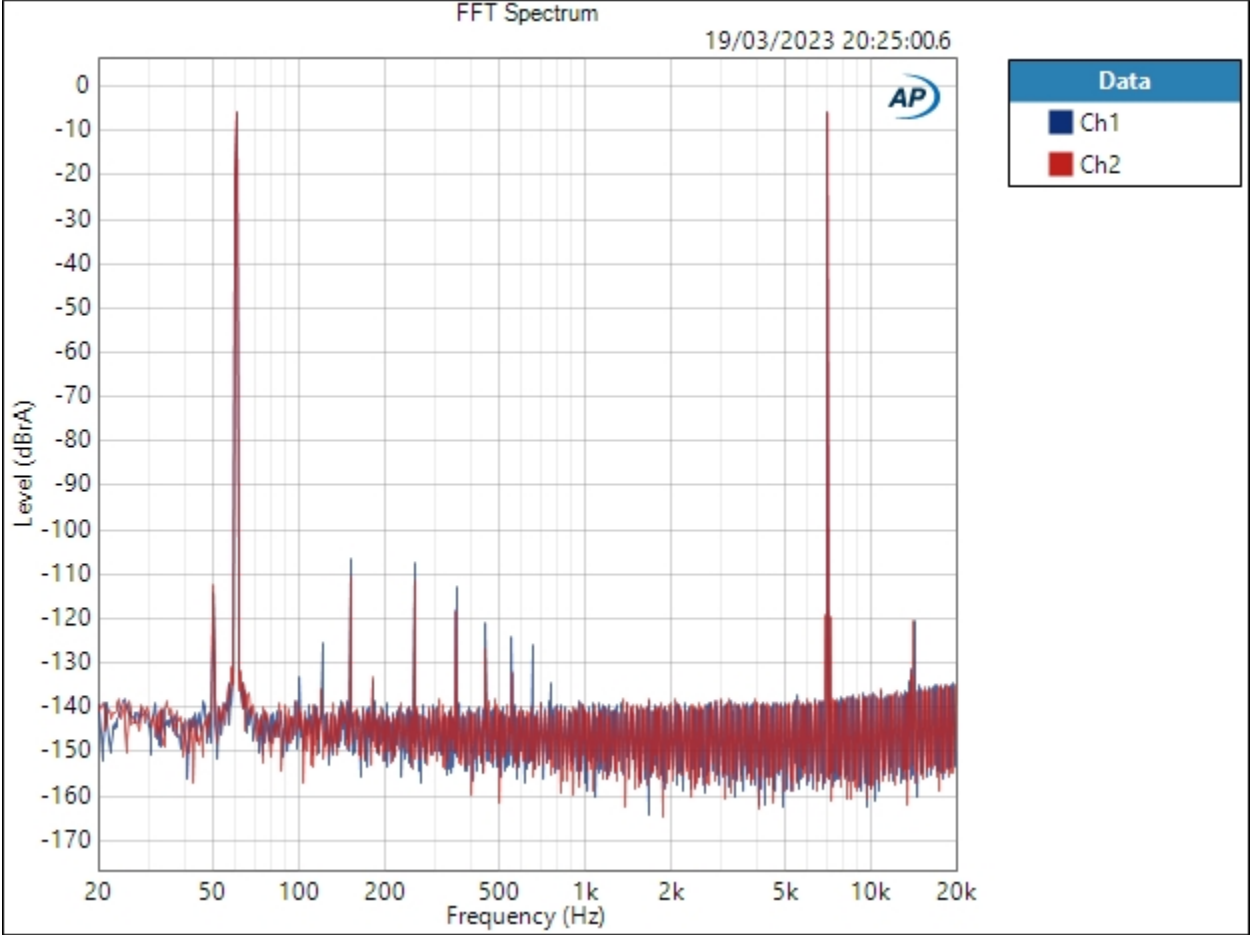
### SIG 5 - 700mV Performance Tests (Headphone Level) : IMD FFT

Waveform: Sine, Dual  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 60.0000 Hz  
Frequency B: 7.00000 kHz  
IMD Split: No  
FB:FA Ratio: 1.000 x/y  
Secondary Source: None  
Measured 1 19/03/2023 20:25:00  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:25:00.601)



# Sequence Report AP



Result: ✔ PASSED



## Sequence Report



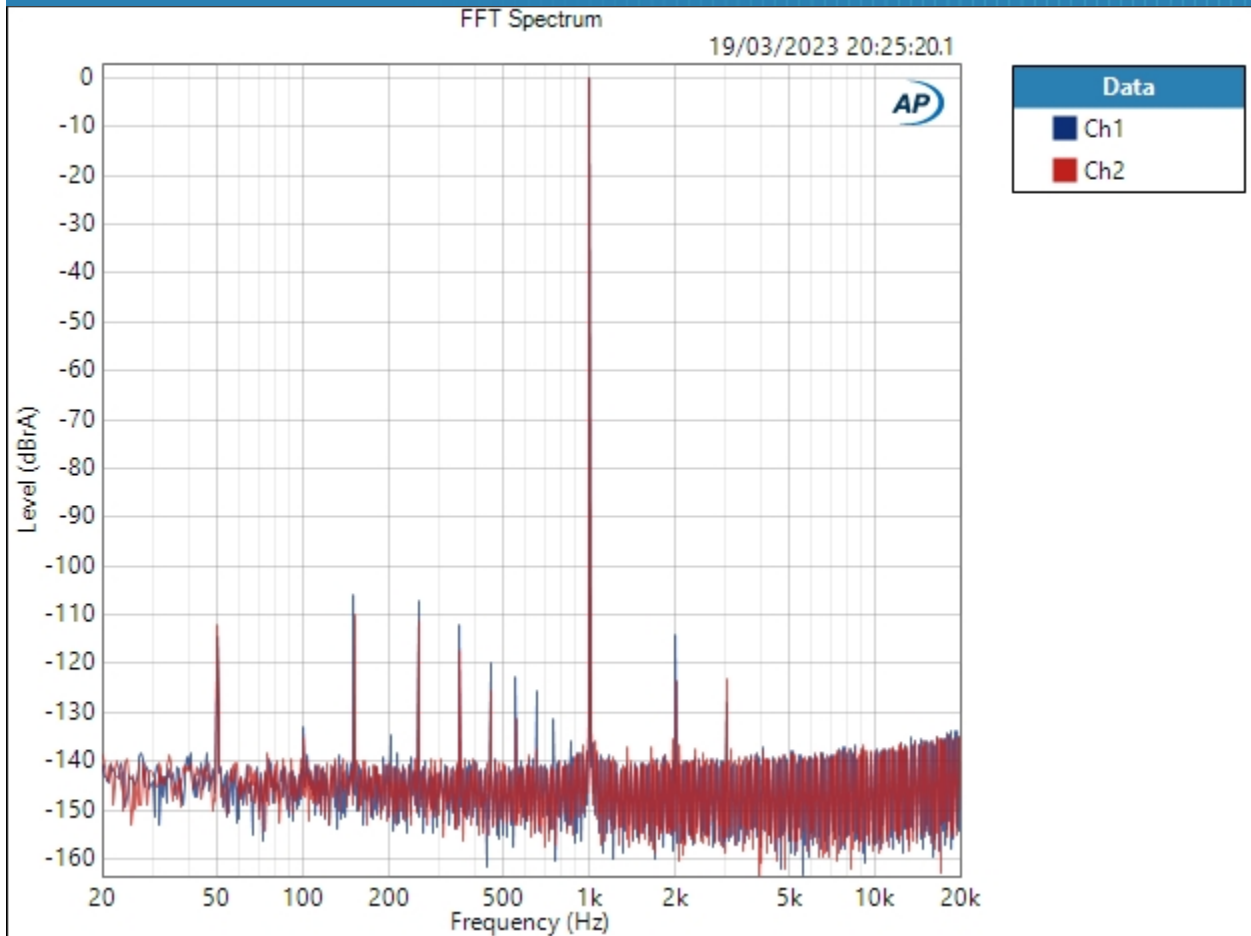
SIG 5 - 700mV Performance Tests (Headphone Level) : 1kHz FFT

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Secondary Source: None  
Measured 1: 19/03/2023 20:25:20  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:25:20.135)



# Sequence Report



Result:  PASSED





## Sequence Report



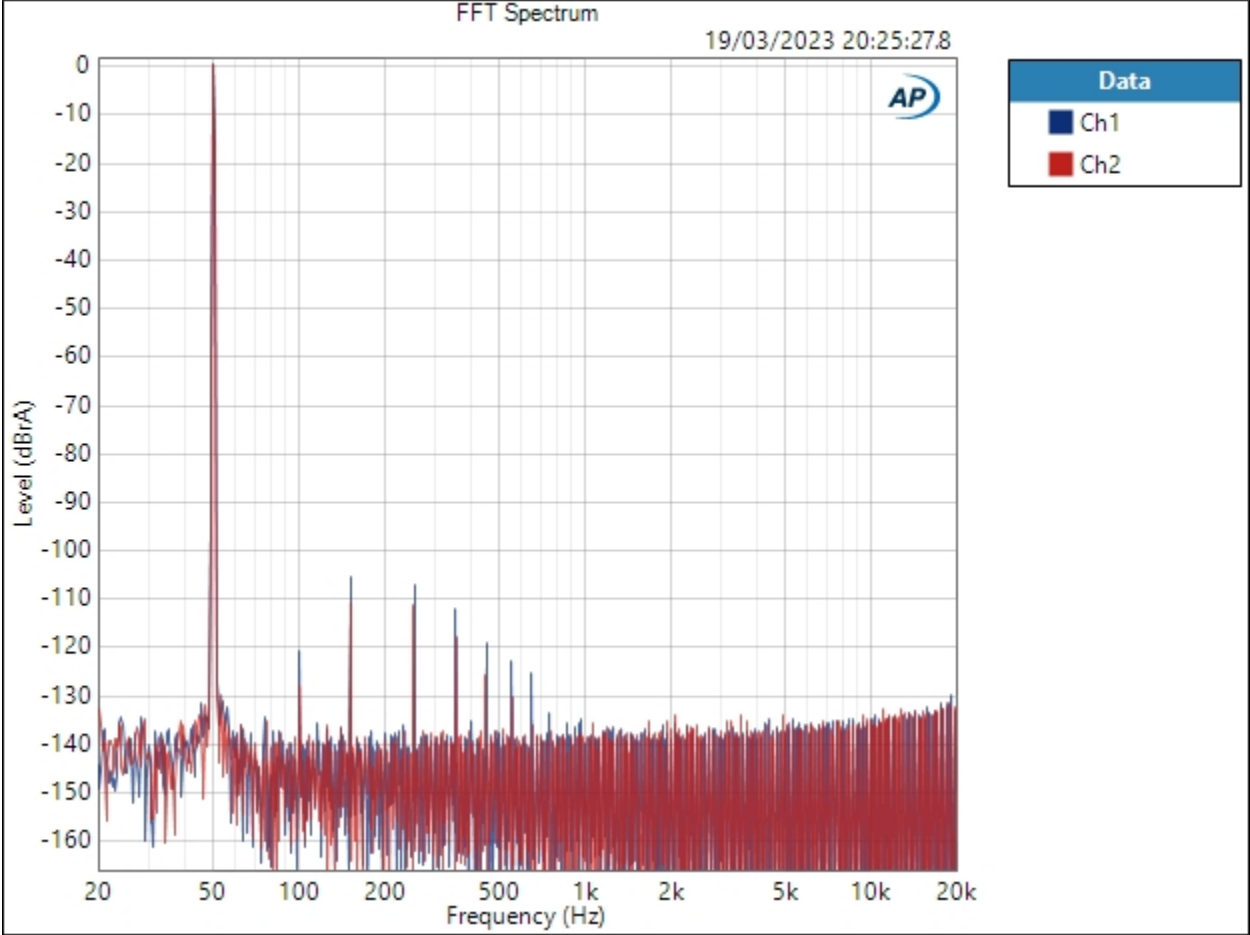
SIG 5 - 700mV Performance Tests (Headphone Level) : 50hz FFT

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 50.0000 Hz  
Secondary Source: None  
Measured 1 19/03/2023 20:25:27  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 1  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:25:27.800)



# Sequence Report AP



Result: ✔ PASSED



## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

### DIM Ratio (19/03/2023 20:25:29.849)

Ch1 -97.982 dB

Ch2 -97.425 dB

### Distortion Product Ratio (19/03/2023 20:25:29.849)

Channel	U5	U4	fq	U6	U3	U7	U2	U8	U1	U9	
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch1	-107.48	-111.11	14.09	-110.51	-105.89	-107.17	-107.91	-109.89	-104.85	-106.87	0.00
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch2	-108.35	-109.14	14.09	-109.87	-107.11	-106.32	-109.05	-105.28	-103.93	-107.32	0.00

### Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1



## Sequence Report



SIG 5 - 700mV Performance Tests (Headphone Level) : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

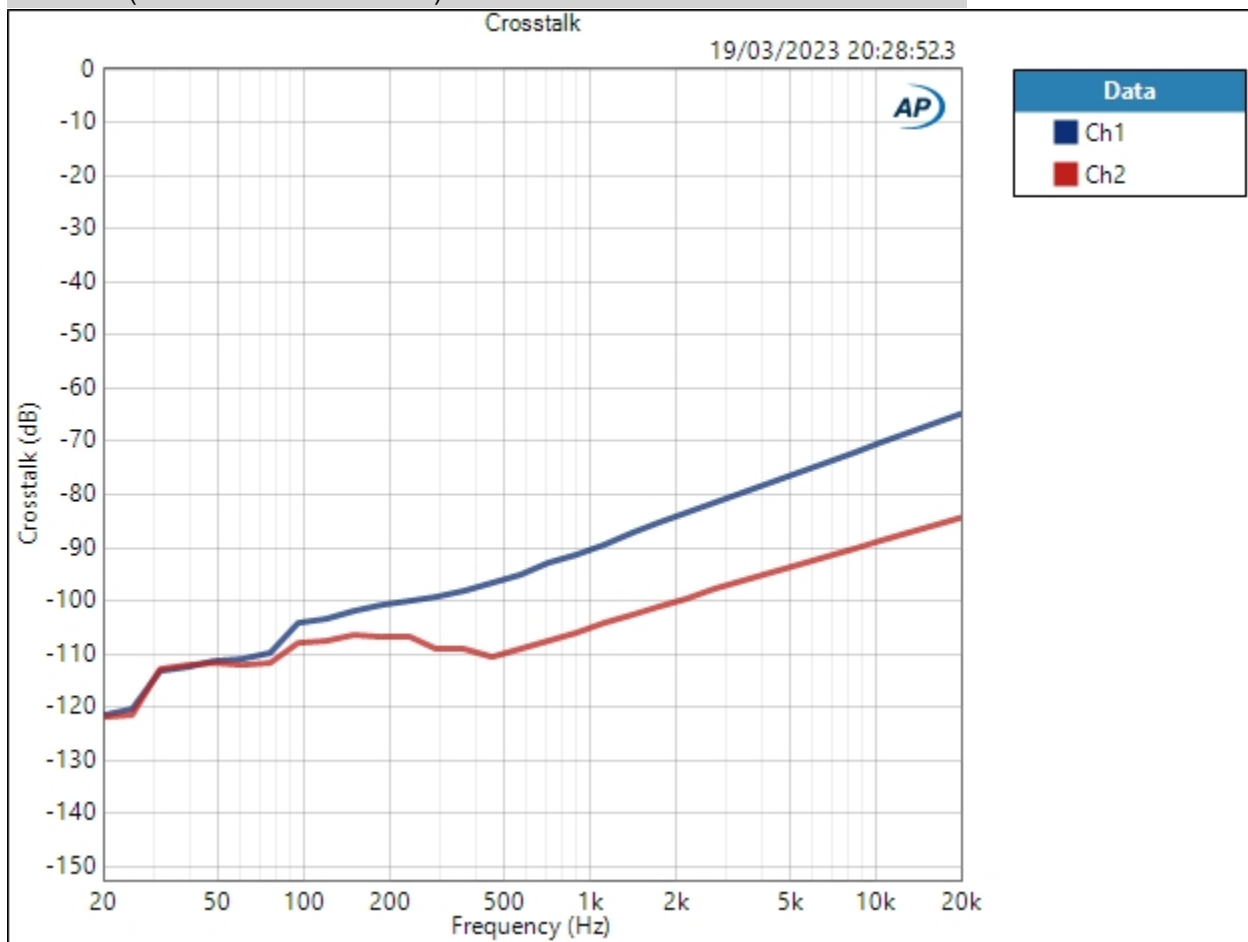
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 19/03/2023 20:28:52

Crosstalk (19/03/2023 20:28:52.359)





## Sequence Report



Result:  PASSED



## Sequence Report



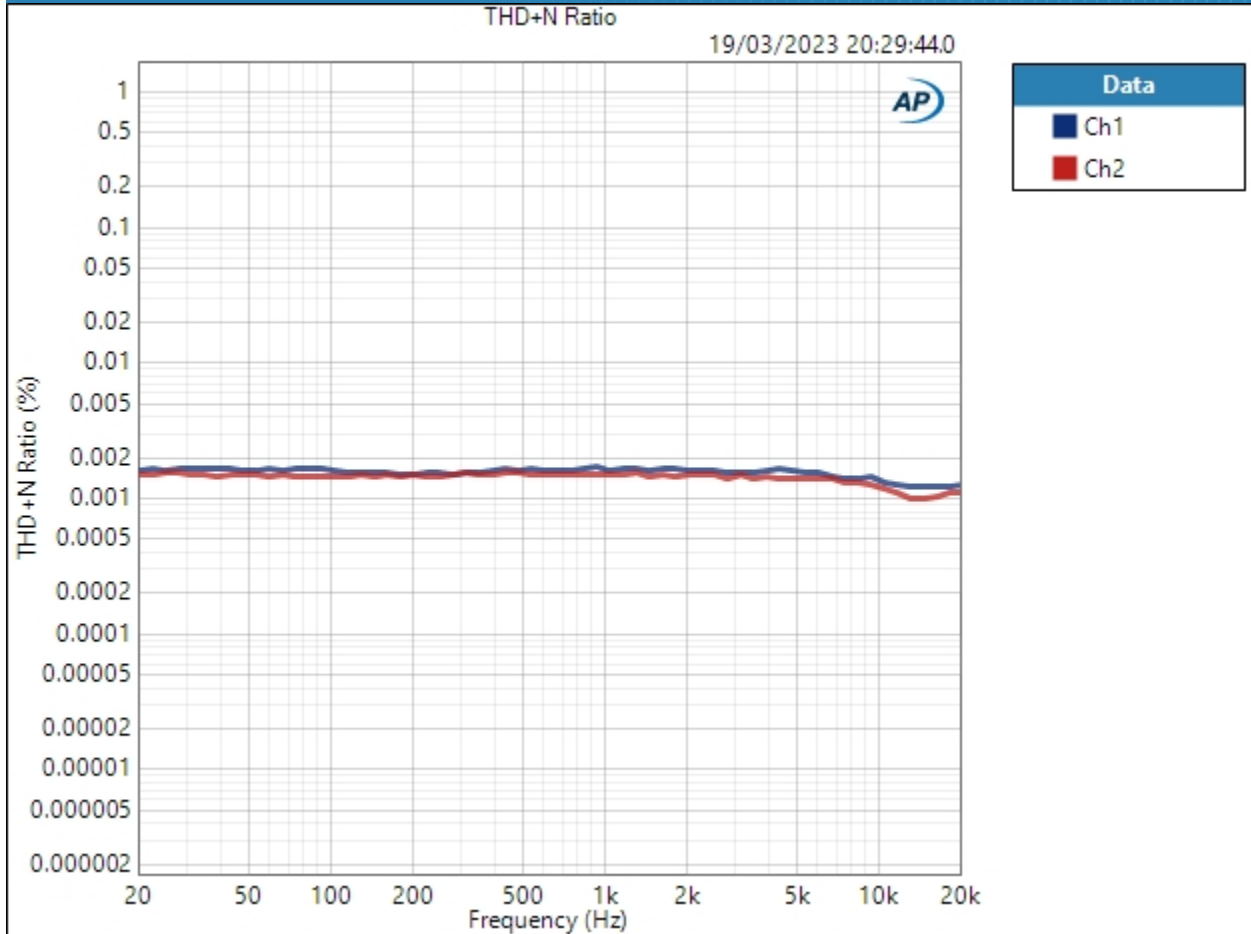
### SIG 5 - 700mV Performance Tests (Headphone Level) : THD+N vs Frequency

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
EQ: None  
Start Frequency: 20.0000 kHz  
Stop Frequency: 20.0000 Hz  
Step Type: Logarithmic  
Number of Points: 64  
High-pass Filter: Elliptic  
High-pass Frequency: 20 Hz  
Low-pass Filter: Signal Path  
Weighting Filter: Signal Path  
Phase Ref Channel: Ch1  
Measured 1 19/03/2023 20:29:44

THD+N Ratio (19/03/2023 20:29:44.040)



# Sequence Report

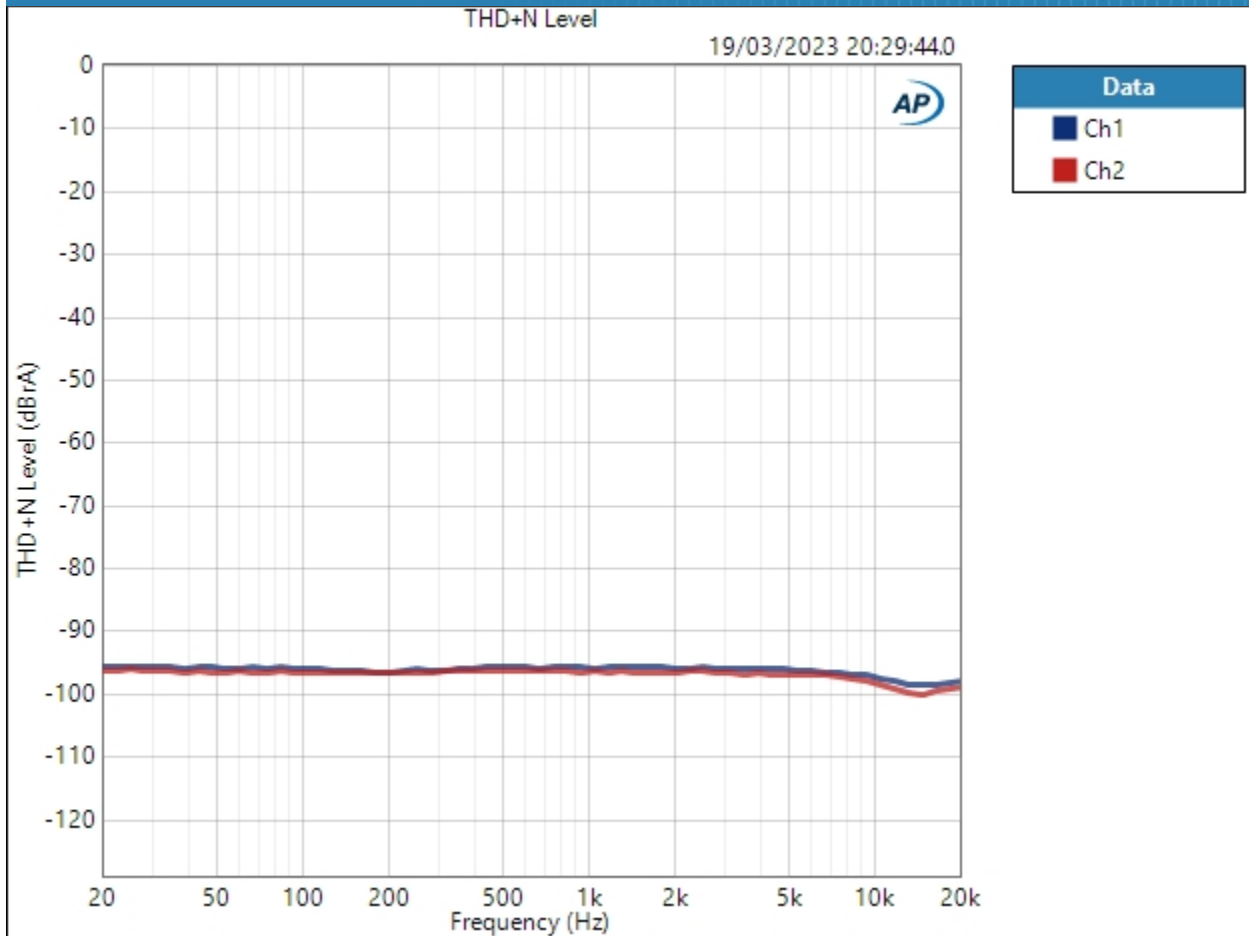


Result: ✔ PASSED

THD+N Level (19/03/2023 20:29:44.040)



# Sequence Report



Result: PASSED





## Sequence Report



### SIG 5 - 700mV Performance Tests (Headphone Level) : DC Level (Active)

Waveform: Sine  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Delay Time: 100.0 ms  
Acquisition Time: 333.0 ms

#### DC Level (19/03/2023 20:29:50.810)

Ch1 -53.61 uV  
Ch2 -92.24 uV

### SIG 5 - 700mV Performance Tests (Headphone Level) : DC Level (Idle)

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 (19/03/2023 20:29:57.264)

Ch1 -147.1 uV  
Ch2 18.72 uV



## Sequence Report



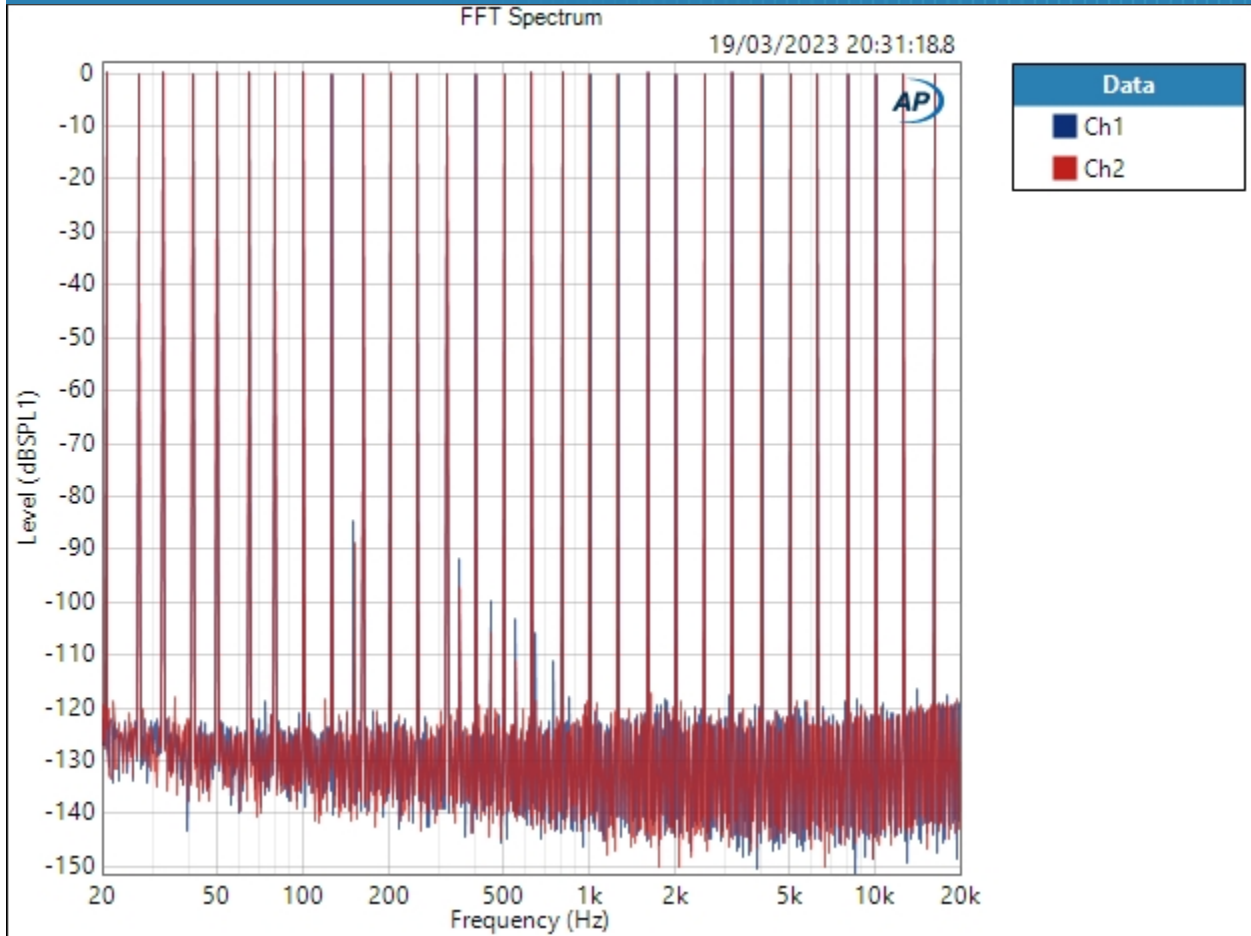
### SIG 5 - 700mV Performance Tests (Headphone Level) : 32 Tone Test

Waveform: 32 Tone Test.wav  
Start Offset (sec): 0.000 s  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Secondary Source: None  
Measured 1 19/03/2023 20:31:18  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 1248000  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:31:18.838)



# Sequence Report



Result:  PASSED



## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : Signal Path Setup

Output Connector:	Analog Balanced
Channels:	2
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Configuration:	Normal (Differential), Normal (Differential)
Source Impedance:	40 ohm, 40 ohm
Channels Inverted:	None
AG52 Generator Option:	Installed
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) - AES17 (20 kHz)
Input EQ:	None
Termination:	200 kohm
High Performance Sine Analyzer:	Enabled
Input 2:	None
Device Delay:	0.000 s
• References	
dBr G:	4.000 Vrms
dBm (Output Power):	600.0 ohm
W(watts) (Output Power):	32.00 ohm
Shared Frequency Reference:	1.00000 kHz
Analog Input	
dBrA:	50.02 mVrms
dBrB:	50.02 mVrms
dBrA Offset:	0.000 dB
dBrB Offset:	0.000 dB
dB SPL1:	50.02 mVrms



## Sequence Report



dBSPL2: 10.00 mVrms  
dBSPL1 Calibrator Level: 21.500 dB SPL  
dBSPL2 Calibrator Level: 94.000 dB SPL  
dBm (Input Power): 600.0 ohm  
W(watts) (Input Power): 32.00 ohm

- DCX  
DCX is not detected.
- Clocks  
Output Rate: Track Output SR  
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

### SIG 6 - 50mV Performance Tests (IEM Level) : Level and Gain

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Low-pass Filter: Signal Path

#### RMS Level (19/03/2023 20:40:34.841)

Ch1 50.02 mVrms  
Ch2 50.54 mVrms

#### Gain (19/03/2023 20:40:34.841)

Ch1 -38.058 dB  
Ch2 -37.968 dB



## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : THD+N

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:40:37.988)

Ch1 0.016392 %

Ch2 0.014524 %

#### THD+N Level (19/03/2023 20:40:37.988)

Ch1 8.205 uVrms

Ch2 7.345 uVrms

#### THD Ratio (19/03/2023 20:40:37.988)

Ch1 0.002152 %

Ch2 0.002142 %

#### THD Level (19/03/2023 20:40:37.988)

Ch1 1.077 uVrms

Ch2 1.083 uVrms

#### Noise Ratio (19/03/2023 20:40:37.988)

Ch1 0.016153 %

Ch2 0.014211 %

#### Noise Level (19/03/2023 20:40:37.988)

Ch1 8.085 uVrms

Ch2 7.187 uVrms

#### Distortion Product Ratio (19/03/2023 20:40:37.988)



# Sequence Report AP

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	-106.77	-103.76	-112.99	-111.44	-106.06	-106.64	-113.73	-108.51	-106.15
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	-0.00	-104.65	-109.85	-104.80	-102.74	-109.40	-107.40	-104.88	-107.14	-108.71

### Distortion Product Ratio Parameters

Frequency Unit: Hz  
 Ratio Unit: dB  
 Channel: Ch1

### Distortion Product Level (19/03/2023 20:40:37.988)

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	50.05 m	229.6 n	324.6 n	112.2 n	134.0 n	249.1 n	233.0 n	103.0 n	187.9 n	246.7 n
	1.000k	2.000k	3.000k	4.000k	5.000k	6.000k	7.000k	8.000k	9.000k	10.00k
Ch2	50.57 m	296.1 n	162.8 n	290.9 n	368.9 n	171.3 n	215.8 n	288.3 n	222.2 n	185.5 n

### Distortion Product Level Parameters

Frequency Unit: Hz  
 Level Unit: Vrms  
 Channel: Ch1



## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : Signal to Noise Ratio

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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 (19/03/2023 20:40:40.865)

Ch1 75.450 dB

Ch2 76.529 dB





## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : SINAD

Waveform: Sine (1 kHz)  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
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

### SINAD (19/03/2023 20:40:43.313)

Ch1 75.543 dB

Ch2 76.670 dB

### ENOB (19/03/2023 20:40:43.313)

Ch1 12.3

Ch2 12.4



## Sequence Report



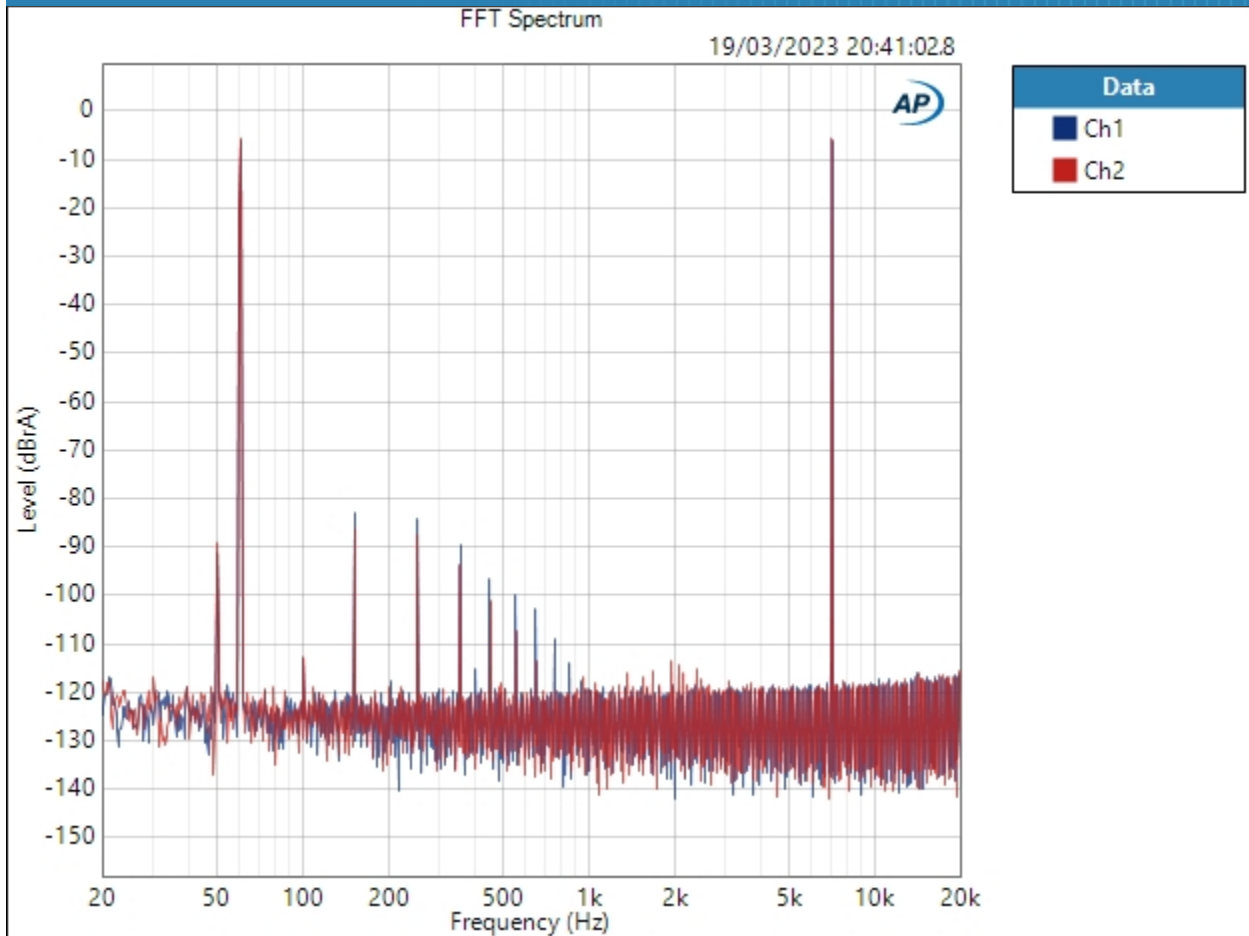
### SIG 6 - 50mV Performance Tests (IEM Level) : IMD FFT

Waveform: Sine, Dual  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 60.0000 Hz  
Frequency B: 7.00000 kHz  
IMD Split: No  
FB:FA Ratio: 1.000 x/y  
Secondary Source: None  
Measured 1 19/03/2023 20:41:02  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:41:02.817)



# Sequence Report



Result: PASSED



## Sequence Report



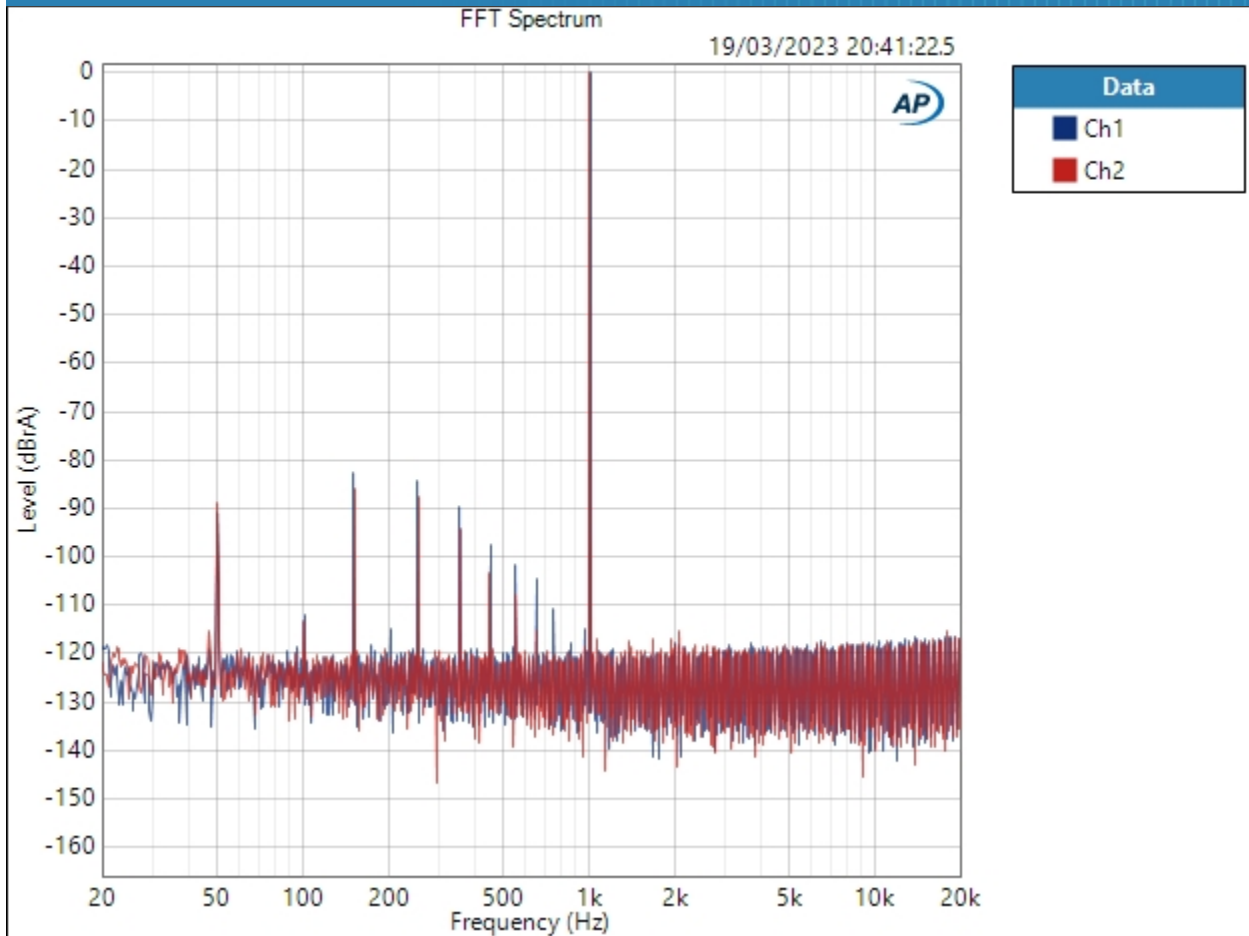
SIG 6 - 50mV Performance Tests (IEM Level) : 1khz FFT

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 1.00000 kHz  
Secondary Source: None  
Measured 1 19/03/2023 20:41:22  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:41:22.571)



# Sequence Report



Result:  PASSED



## Sequence Report



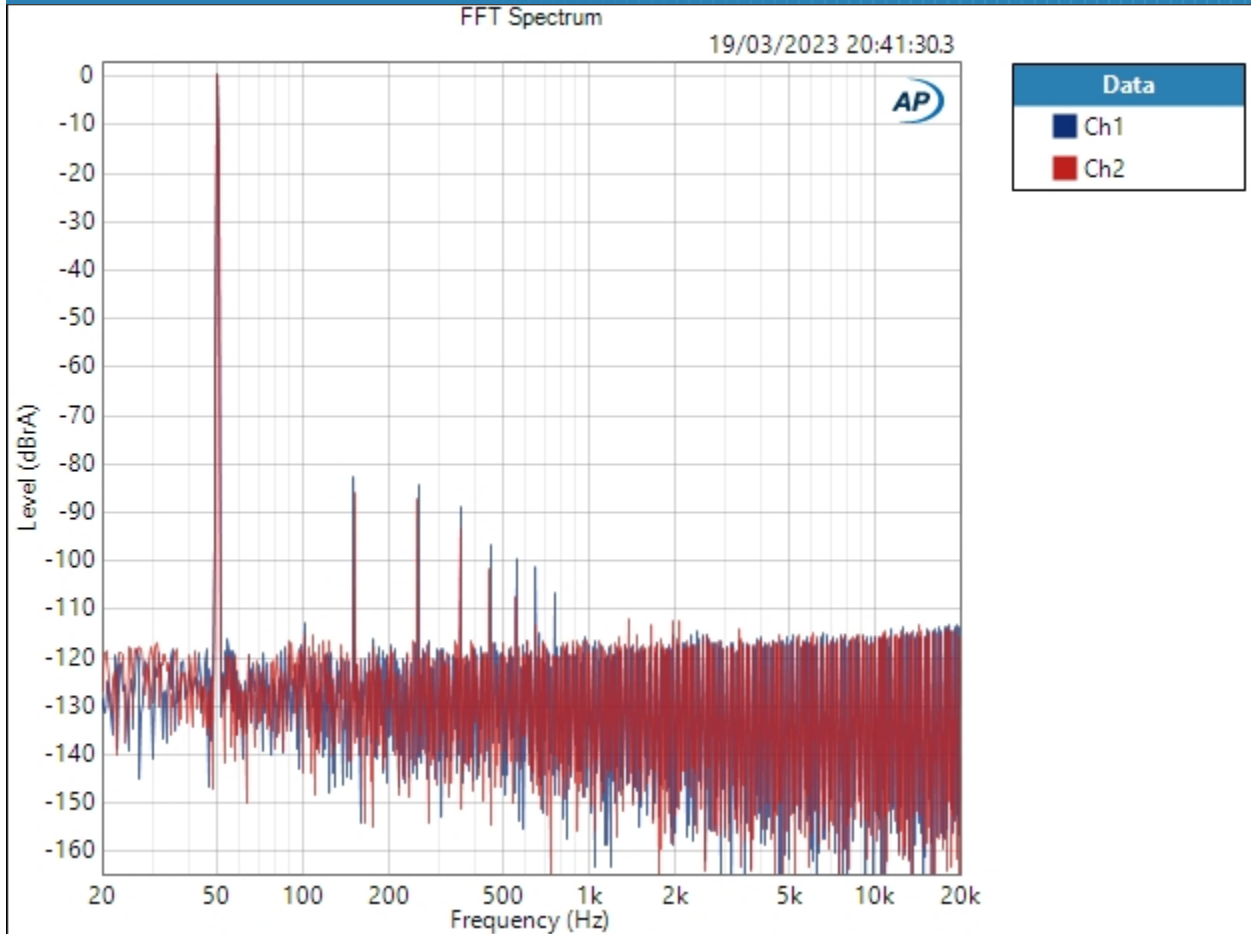
SIG 6 - 50mV Performance Tests (IEM Level) : 50hz FFT

Waveform: Sine  
Generator Mode: High Performance Sine Generator  
Precision Tune: Disabled  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
Frequency: 50.0000 Hz  
Secondary Source: None  
Measured 1 19/03/2023 20:41:30  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 262144  
Averaging: Power  
Averages: 1  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:41:30.306)



# Sequence Report



Result:  PASSED



## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : DIM

Generator Level: 0.000 dBrG (@4.000 Vrms)

Waveform: DIM 30

Square Freq: 3.15000 kHz

Sine Freq: 15.0000 kHz

Mode: U1...U9

Low-pass Filter: 30 kHz

### DIM Ratio (19/03/2023 20:41:32.329)

Ch1 -81.670 dB

Ch2 -83.360 dB

### Distortion Product Ratio (19/03/2023 20:41:32.329)

Channel	U5	U4	fq	U6	U3	U7	U2	U8	U1	U9	
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch1	-87.58	-92.53	14.09	-90.89	-91.46	-91.80	-90.99	-93.43	-91.87	-93.84	0.00
	750.0	2.400k	3.150k	3.900k	5.550k	7.050k	8.700k	10.20k	11.85k	13.35k	15.00k
Ch2	-93.60	-95.86	14.09	-94.65	-93.35	-93.72	-97.09	-90.59	-91.37	-90.51	0.00

### Distortion Product Ratio Parameters

Frequency Unit: Hz

Ratio Unit: dB

Channel: Ch1





## Sequence Report



SIG 6 - 50mV Performance Tests (IEM Level) : Crosstalk Sweep, One Channel Undriven

Generator Mode: High Performance Sine Generator

Precision Tune: Disabled

Generator Level: 0.000 dBrG (@4.000 Vrms)

Start Frequency: 20.0000 kHz

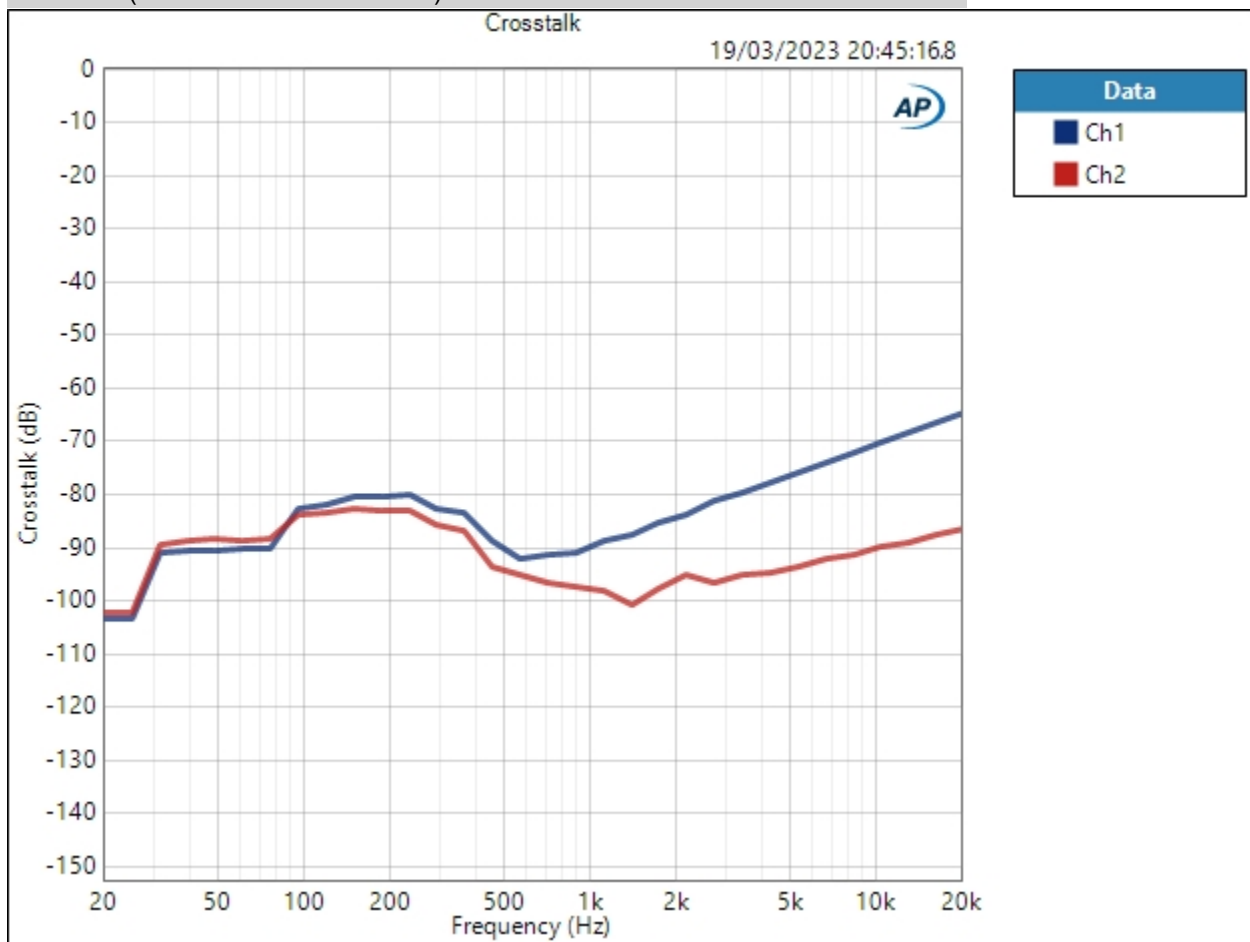
Stop Frequency: 20.0000 Hz

Step Type: Logarithmic

Number of Points: 32

Measured 1 19/03/2023 20:45:16

Crosstalk (19/03/2023 20:45:16.841)





## Sequence Report



Result:  PASSED



## Sequence Report



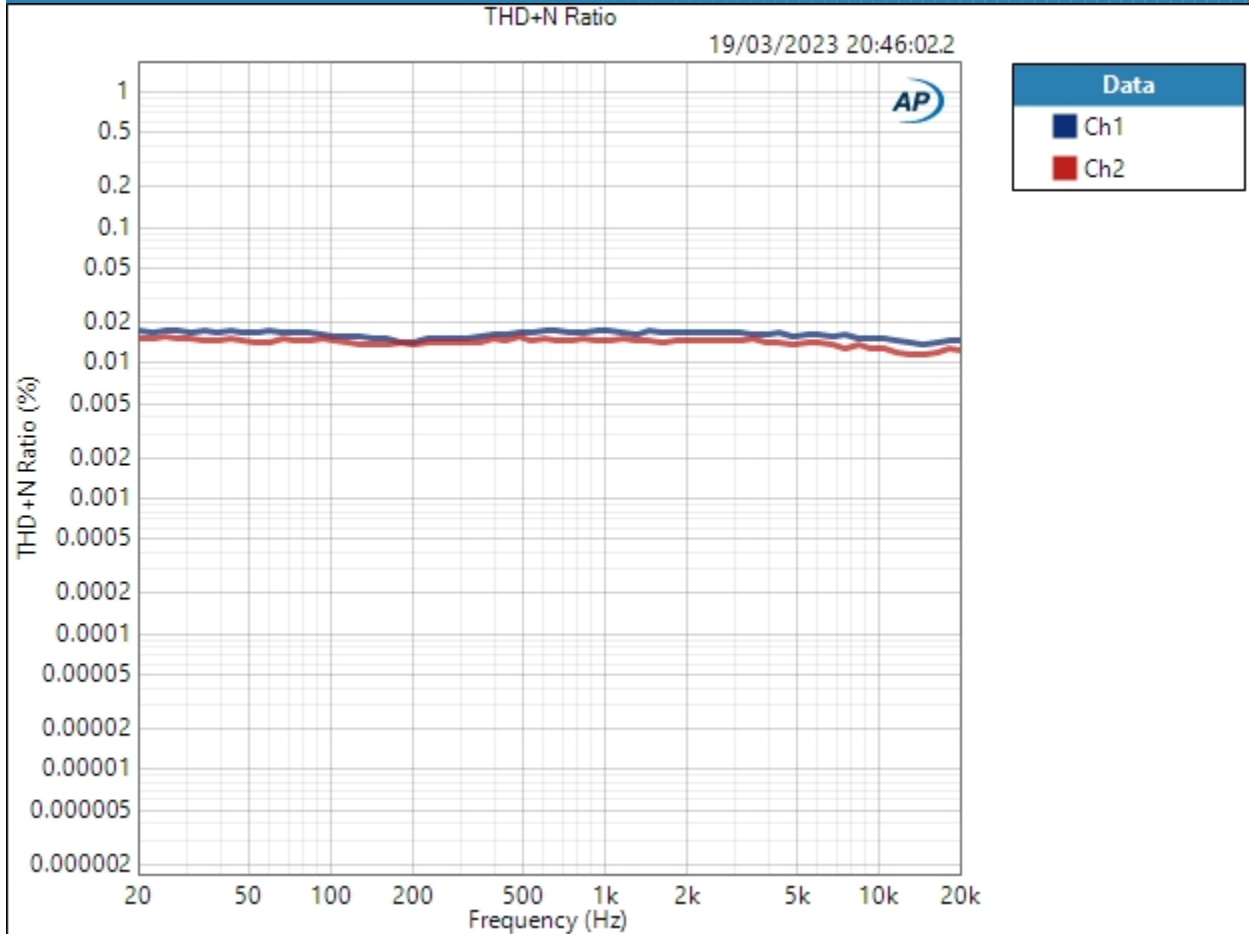
### SIG 6 - 50mV Performance Tests (IEM Level) : THD+N vs Frequency

Waveform:	Sine
Generator Mode:	High Performance Sine Generator
Precision Tune:	Disabled
Generator Level:	0.000 dBrG (@4.000 Vrms)
EQ:	None
Start Frequency:	20.0000 kHz
Stop Frequency:	20.0000 Hz
Step Type:	Logarithmic
Number of Points:	64
High-pass Filter:	Elliptic
High-pass Frequency:	20 Hz
Low-pass Filter:	Signal Path
Weighting Filter:	Signal Path
Phase Ref Channel:	Ch1
Measured 1	19/03/2023 20:46:02

THD+N Ratio (19/03/2023 20:46:02.243)



# Sequence Report

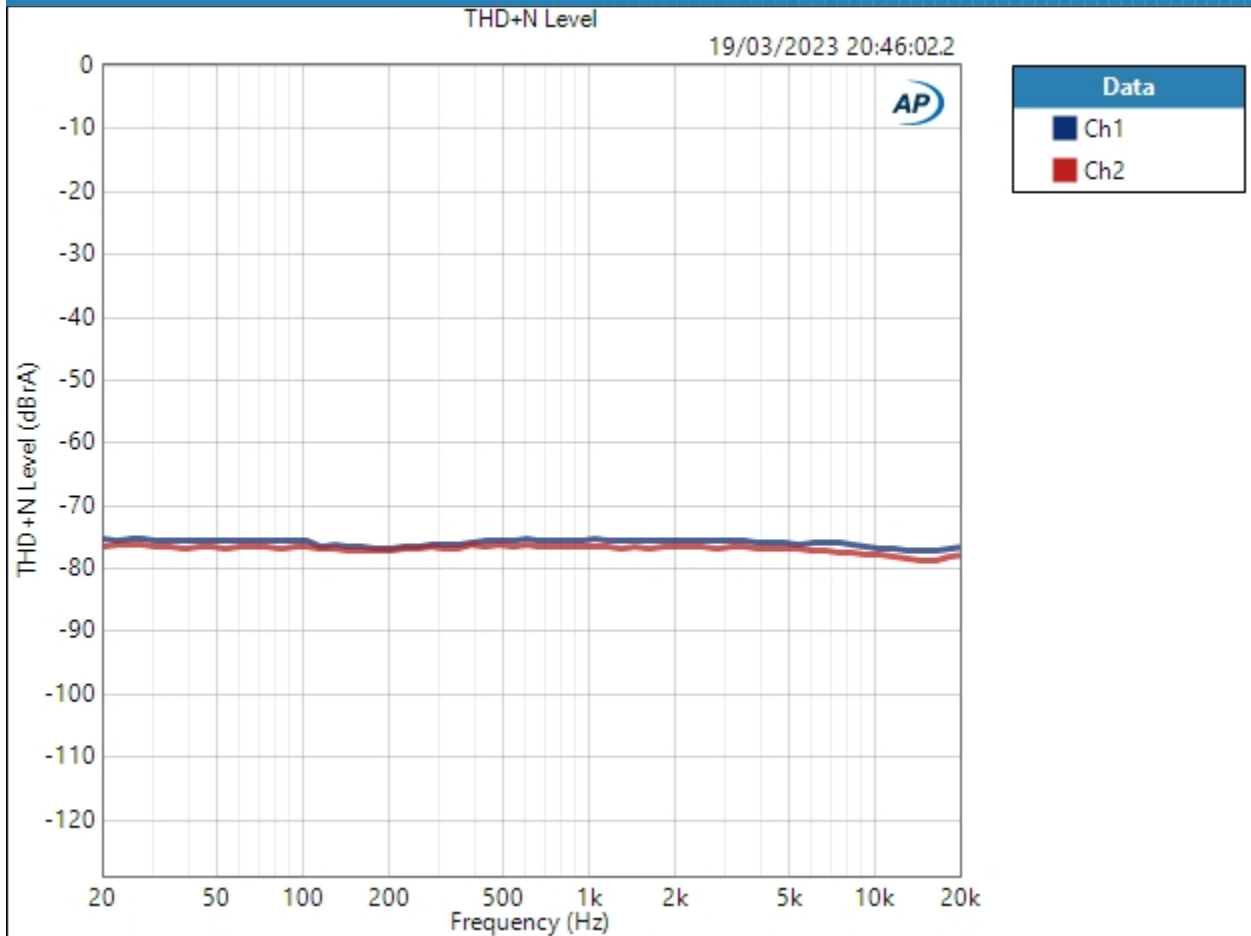


Result: ✔ PASSED

THD+N Level (19/03/2023 20:46:02.243)



# Sequence Report



Result: ✔ PASSED



## Sequence Report



### SIG 6 - 50mV Performance Tests (IEM Level) : DC Level (Active)

Waveform: Sine  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Frequency: 1.00000 kHz  
Delay Time: 100.0 ms  
Acquisition Time: 333.0 ms

#### DC Level (19/03/2023 20:46:09.056)

Ch1 -81.67 uV  
Ch2 -29.61 uV

### SIG 6 - 50mV Performance Tests (IEM Level) : DC Level (Idle)

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 (19/03/2023 20:46:15.263)

Ch1 -98.31 uV  
Ch2 22.65 uV



## Sequence Report



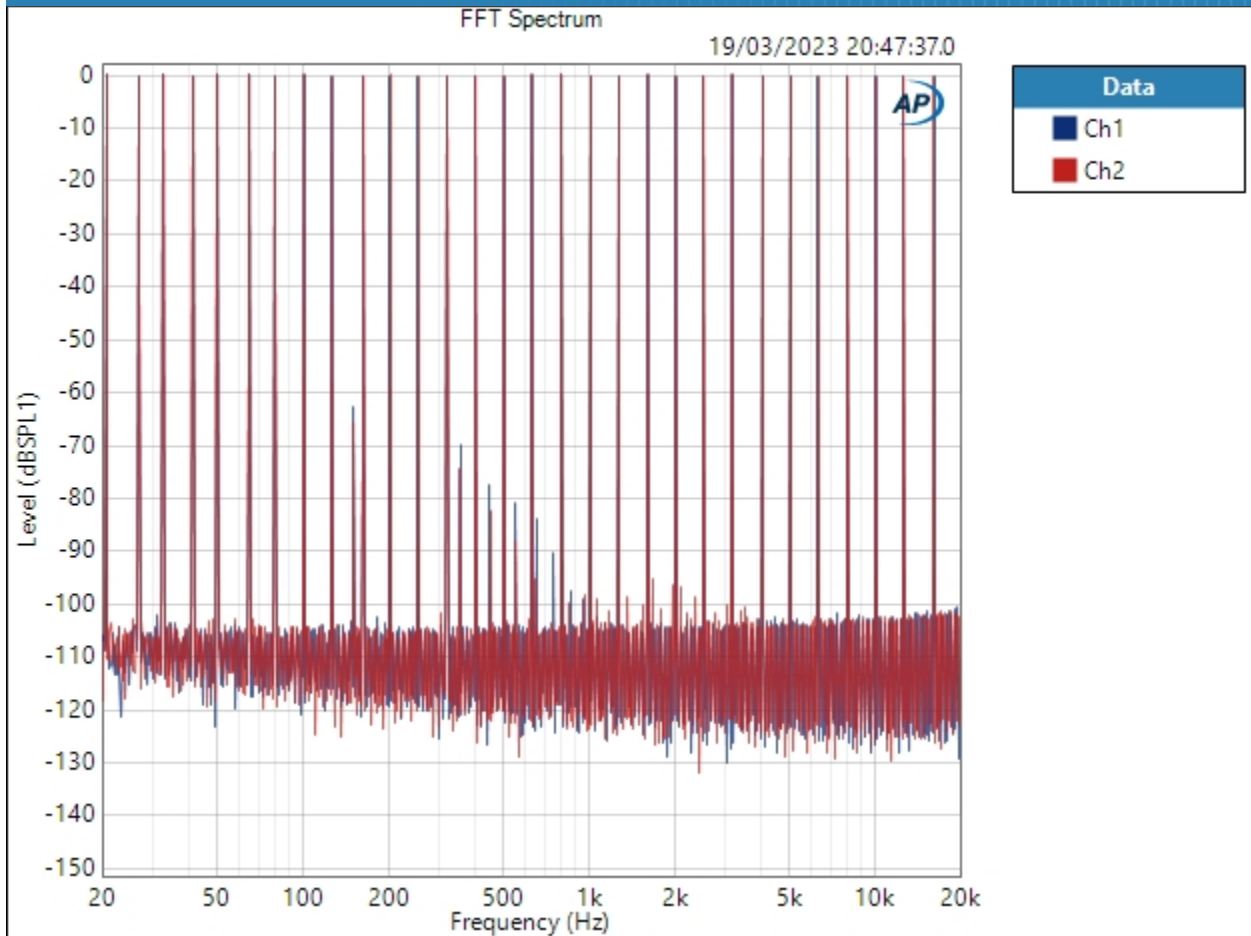
### SIG 6 - 50mV Performance Tests (IEM Level) : 32 Tone Test

Waveform: 32 Tone Test.wav  
Start Offset (sec): 0.000 s  
Generator Level: 0.000 dBrG (@4.000 Vrms)  
DC Offset: 0.000 V  
Secondary Source: None  
Measured 1 19/03/2023 20:47:37  
Acquisition Type: Auto  
Trigger: Free Run  
Delay Time: 250.0 ms  
Input Bandwidth: Use Signal Path  
FFT Length: 1248000  
Averaging: Power  
Averages: 3  
Window: AP-Equiripple  
Record Acquisition: False  
Recording Type: Multiple Mono PCM (.wav)

FFT Spectrum (19/03/2023 20:47:37.020)



# Sequence Report



Result:  PASSED