

Summary

Signal Path1

| | |
|---------------------------------|----------|
| Level and Gain | ✓ PASSED |
| DC Level | ✓ PASSED |
| Crosstalk, One Channel Undriven | ✓ PASSED |
| Signal to Noise Ratio | ✓ PASSED |
| THD+N | ✓ PASSED |
| IMD (SMPTE) | ✓ PASSED |
| Interchannel Phase | ✓ PASSED |
| Dynamic Range - AES17 | ✓ PASSED |
| Stepped Frequency Sweep | ✓ PASSED |
| Stepped Level Sweep | ✓ PASSED |

Sequence Result:

Sequence Result: ✓ PASSED

Signal Path1 : Signal Path Setup

Output Connector: Digital Balanced
Output Sample Rate: 192.000 kHz
Output Bit Depth: 24
Dither: Enabled
Output Mode: Professional
Status Bits: Auto (Professional)
Output EQ: None
Input Connector: Analog Balanced
Channels: 2
Termination: 600 ohm
Input Bandwidth: AC (<10 Hz) - 90k (192 kHz SR)
Device Delay: 0.000 s
Input EQ: None

• References

dBr G: 0.000 dBFS
Shared Frequency Reference: 1.00000 kHz
dBrA: 5.768 Vrms
dBrB: 5.741 Vrms
dBrA Offset: 0.000 dB
dBrB Offset: 0.000 dB
dBSPL1: 10.00 mVrms
dBSPL2: 10.00 mVrms
dBSPL1 Calibrator Level: 94.000 dB SPL
dBSPL2 Calibrator Level: 94.000 dB SPL
dBm (Input Power): 600.0 ohm
W(watts) (Input Power): 8.000 ohm

• DCX

DCX is not detected.

Signal Path1 : Level and Gain

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

RMS Level (2019/4/4 16:48:53.031)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|------------|-------------|---|
| LEFT | 3.600 Vrms | 3.694 Vrms | 3.900 Vrms | ✓ |
| RIGHT | 3.600 Vrms | 3.691 Vrms | 3.900 Vrms | ✓ |

Result: ✓ PASSED

Gain (2019/4/4 16:48:53.031)

LEFT 3.694 Vrms/FS
 RIGHT 3.691 Vrms/FS

Signal Path1 : DC Level

Waveform: Sine
 Generator Level: $-\infty$ dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 Delay Time: 100.0 ms
 Acquisition Time: 333.0 ms

DC Level (2019/4/4 16:48:55.334)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|-----------|-------------|---|
| LEFT | -5.000 mV | -742.4 uV | 5.000 mV | ✓ |
| RIGHT | -5.000 mV | -2.014 mV | 5.000 mV | ✓ |

Result: ✓ PASSED

Signal Path1 : Crosstalk, One Channel Undriven

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

Crosstalk (2019/4/4 16:49:01.050)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|-------------|-------------|---|
| LEFT | ---- dB | -138.759 dB | 100.000 dB | ✓ |
| RIGHT | ---- dB | -129.322 dB | 100.000 dB | ✓ |

Result: ✓ PASSED

Signal Path1 : Signal to Noise Ratio

Waveform: Sine
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 Weighting Filter: Signal Path

Signal to Noise Ratio (2019/4/4 16:49:04.018)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|------------|-------------|---|
| LEFT | 110.000 dB | 117.699 dB | ---- dB | ✓ |
| RIGHT | 110.000 dB | 117.777 dB | ---- dB | ✓ |

Result: ✓ PASSED

Signal Path1 : THD+N

Waveform: Sine
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 Weighting Filter: Signal Path
 Notch Tuning Mode: Measured Frequency

THD+N Ratio (2019/4/4 16:49:07.302)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|-------------|-------------|---|
| LEFT | ---- dB | -102.005 dB | -80.000 dB | ✓ |
| RIGHT | ---- dB | -101.919 dB | -80.000 dB | ✓ |

Result: ✓ PASSED

Signal Path1 : IMD (SMPTE)

IMD Type: SMPTE
 Waveform: IMD
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency 1: 60.0000 Hz
 Frequency 2: 7.00000 kHz
 Frequency Ratio: 4:1
 IMD Split: False

SMPTE Ratio (2019/4/4 16:49:09.718)

| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|------------|-------------|---|
| LEFT | ---- dB | -86.393 dB | -65.000 dB | ✓ |
| RIGHT | ---- dB | -86.060 dB | -65.000 dB | ✓ |

Result: ✓ PASSED

Signal Path1 : Interchannel Phase

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

Phase (2019/4/4 16:49:12.169)

LEFT ---- deg
 RIGHT -0.932 deg

Signal Path1 : Dynamic Range - AES17

Waveform: Sine
 Generator Level: -0.000 dBFS
 DC Offset: 0.000 D
 Frequency: 1.00000 kHz
 Level Ratio: -60.000 dB
 Low-pass Filter: 20 kHz
 Weighting Filter: CCIR-2k

Dynamic Range - AES17 (2019/4/4 16:49:15.446)

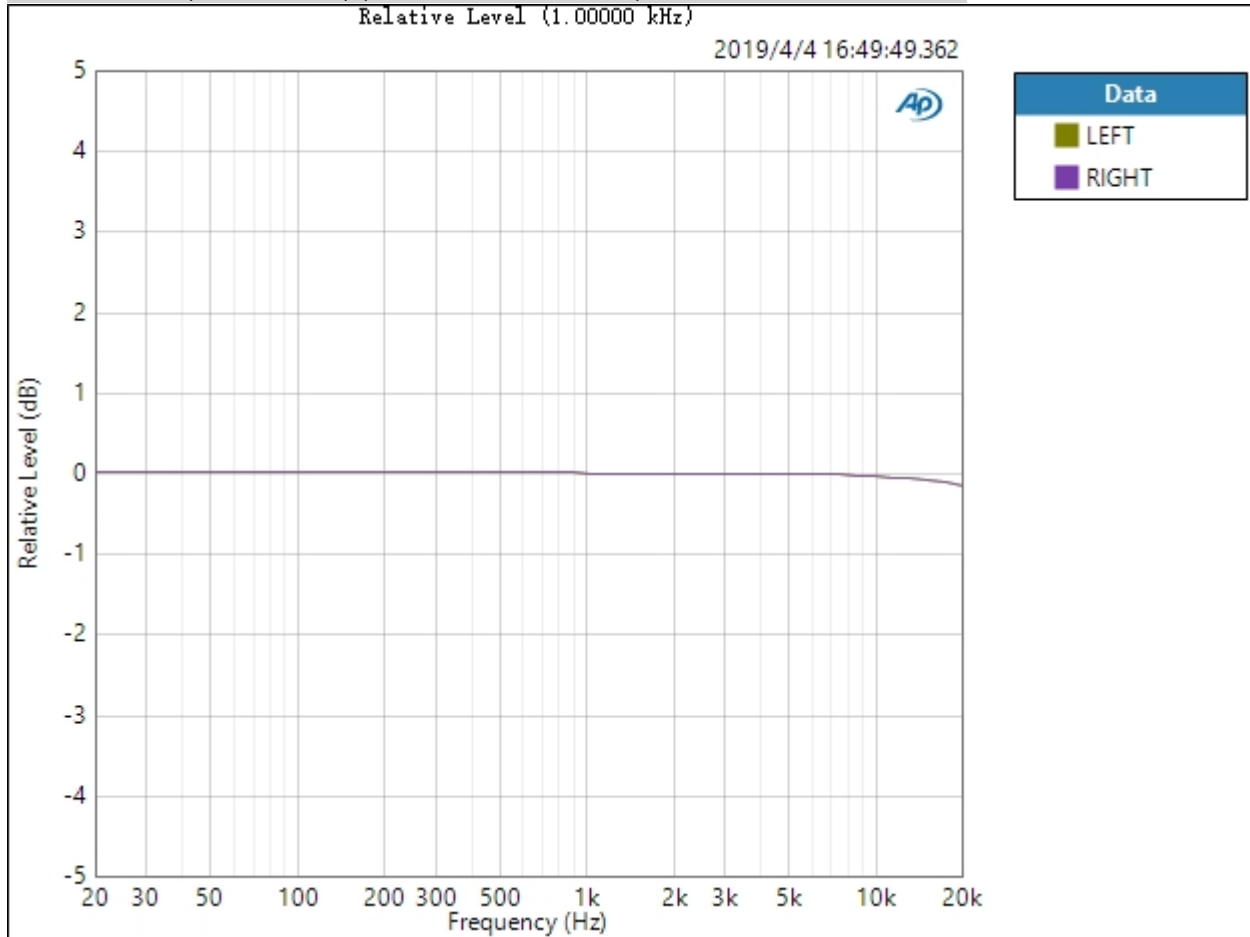
| Channel | Lower Limit | Value | Upper Limit | |
|---------|-------------|------------|-------------|---|
| LEFT | 110.000 dB | 123.167 dB | ---- dB | ✓ |
| RIGHT | 110.000 dB | 123.143 dB | ---- dB | ✓ |

Result: ✓ PASSED

Signal Path1 : Stepped Frequency Sweep

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: 50
 Weighting Filter: Signal Path
 Phase Ref Channel: LEFT
 Measured 1 2019/4/4 16:49:49

Relative Level (1.00000 kHz) (2019/4/4 16:49:49.362)



Relative Level (1.00000 kHz) Parameters

Mode: Normalized at Reference

Ref Frequency: 1.00000 kHz

Result: ✔ PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (2019/4/4 16:49:49.362)

LEFT ±0.086 dB

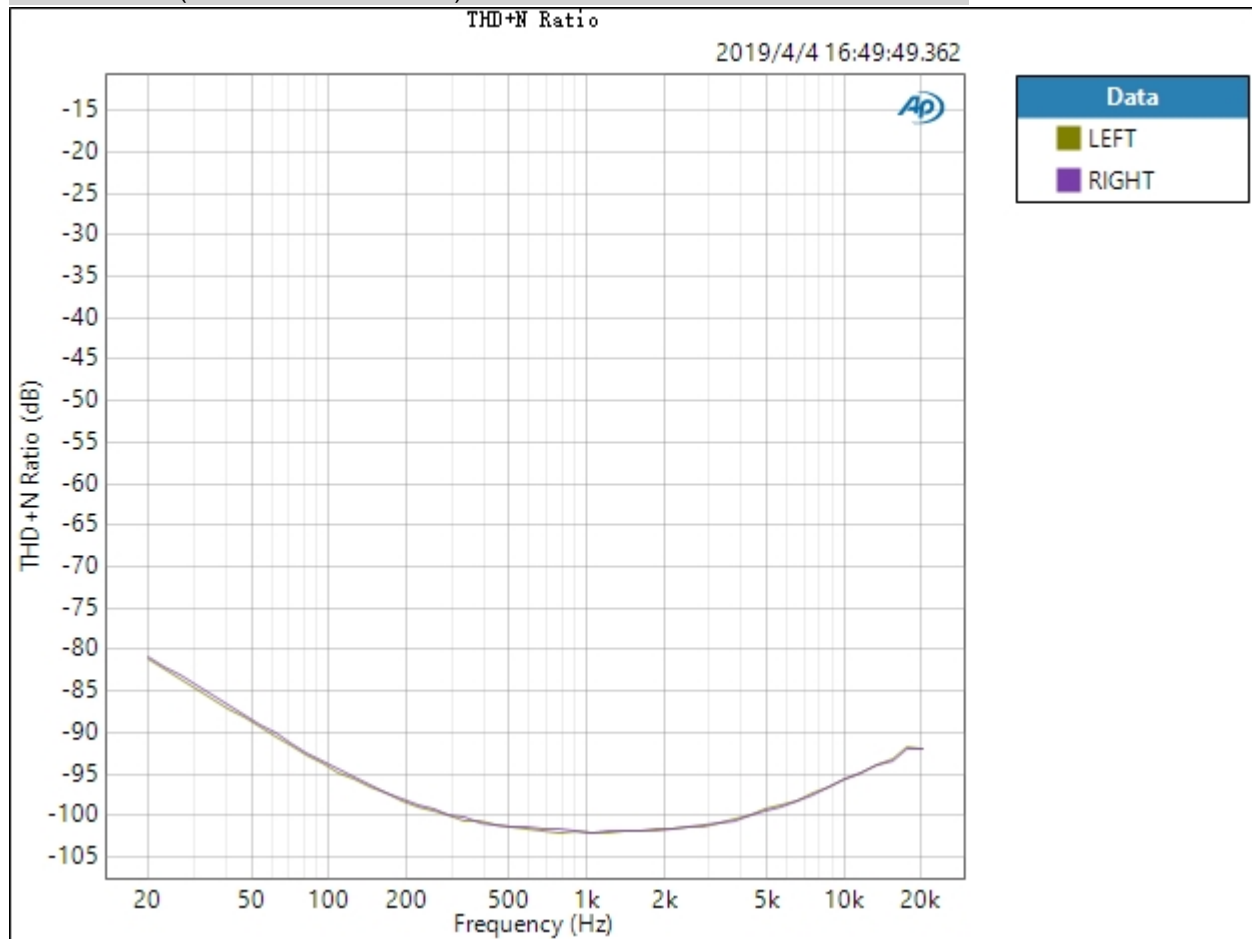
RIGHT ±0.086 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

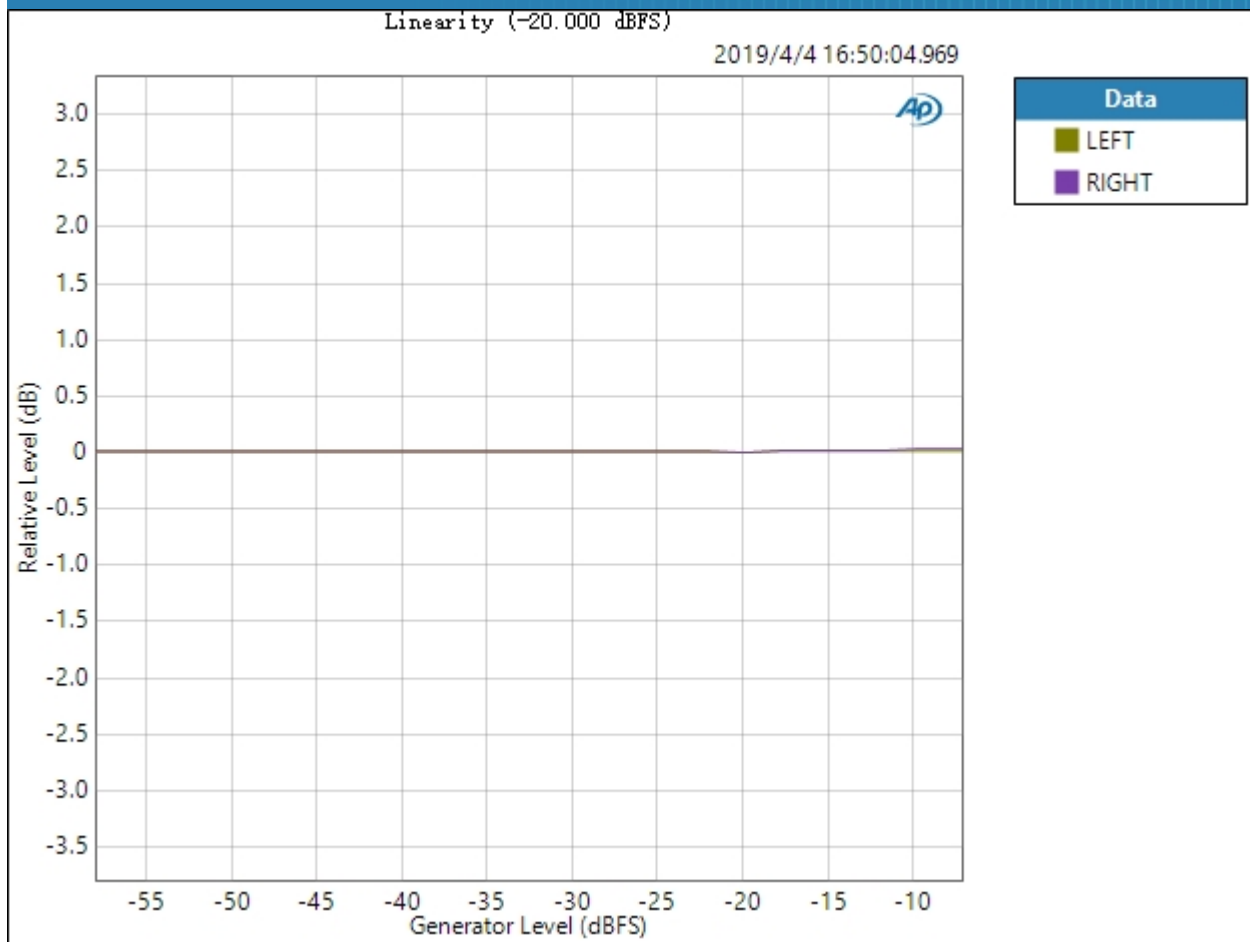
THD+N Ratio (2019/4/4 16:49:49.362)



Result: ✔ PASSED

Signal Path1 : Stepped Level Sweep

Waveform: Sine
Generator Level: -20.000 dBFS
DC Offset: 0.000 D
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
Weighting Filter: Signal Path
Notch Tuning Mode: Generator Frequency
Measured 1 2019/4/4 16:50:04
Linearity (-20.000 dBFS) (2019/4/4 16:50:04.969)



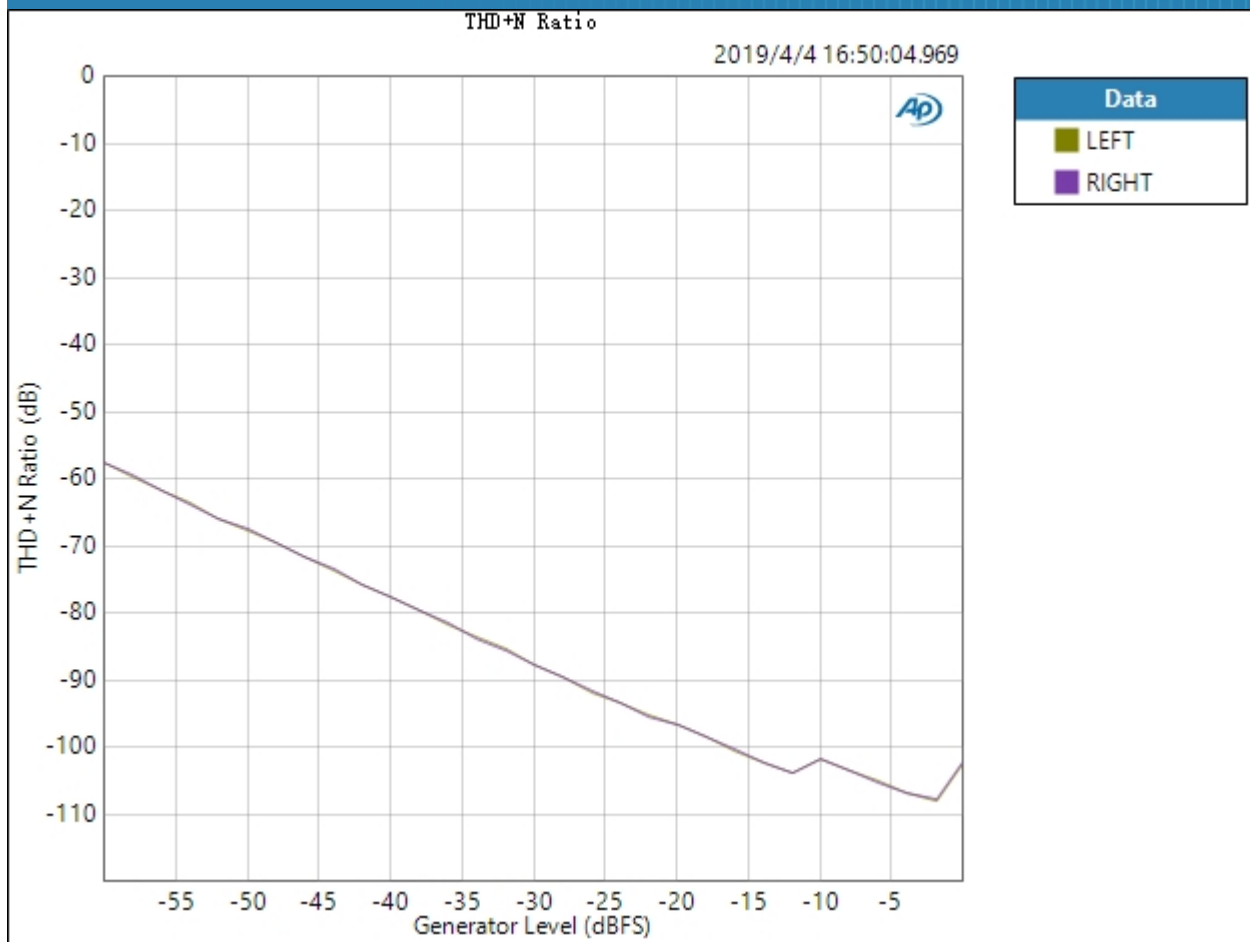
Linearity (-20.000 dBFS) Parameters

Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result: PASSED

THD+N Ratio (2019/4/4 16:50:04.969)



Result: PASSED