

## 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: 96.0000 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 16:45:07.595)

Channel	Lower Limit	Value	Upper Limit	
LEFT	3.600 Vrms	3.692 Vrms	3.900 Vrms	✓
RIGHT	3.600 Vrms	3.690 Vrms	3.900 Vrms	✓

Result: ✓ PASSED

## Gain (2019/4/4 16:45:07.595)

LEFT 3.692 Vrms/FS  
 RIGHT 3.690 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 16:45:09.989)

Channel	Lower Limit	Value	Upper Limit	
LEFT	-5.000 mV	-748.4 uV	5.000 mV	✓
RIGHT	-5.000 mV	-2.017 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 16:45:15.738)

Channel	Lower Limit	Value	Upper Limit	
LEFT	---- dB	-140.217 dB	100.000 dB	✓
RIGHT	---- dB	-129.282 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 16:45:18.643)

Channel	Lower Limit	Value	Upper Limit	
LEFT	110.000 dB	117.605 dB	---- dB	✓
RIGHT	110.000 dB	117.702 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 16:45:21.688)

Channel	Lower Limit	Value	Upper Limit	
LEFT	---- dB	-101.029 dB	-80.000 dB	✓
RIGHT	---- dB	-101.194 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 16:45:24.098)

Channel	Lower Limit	Value	Upper Limit	
LEFT	---- dB	-86.394 dB	-65.000 dB	✓
RIGHT	---- dB	-85.992 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 16:45:26.624)

LEFT ---- deg  
 RIGHT -1.870 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 16:45:29.851)

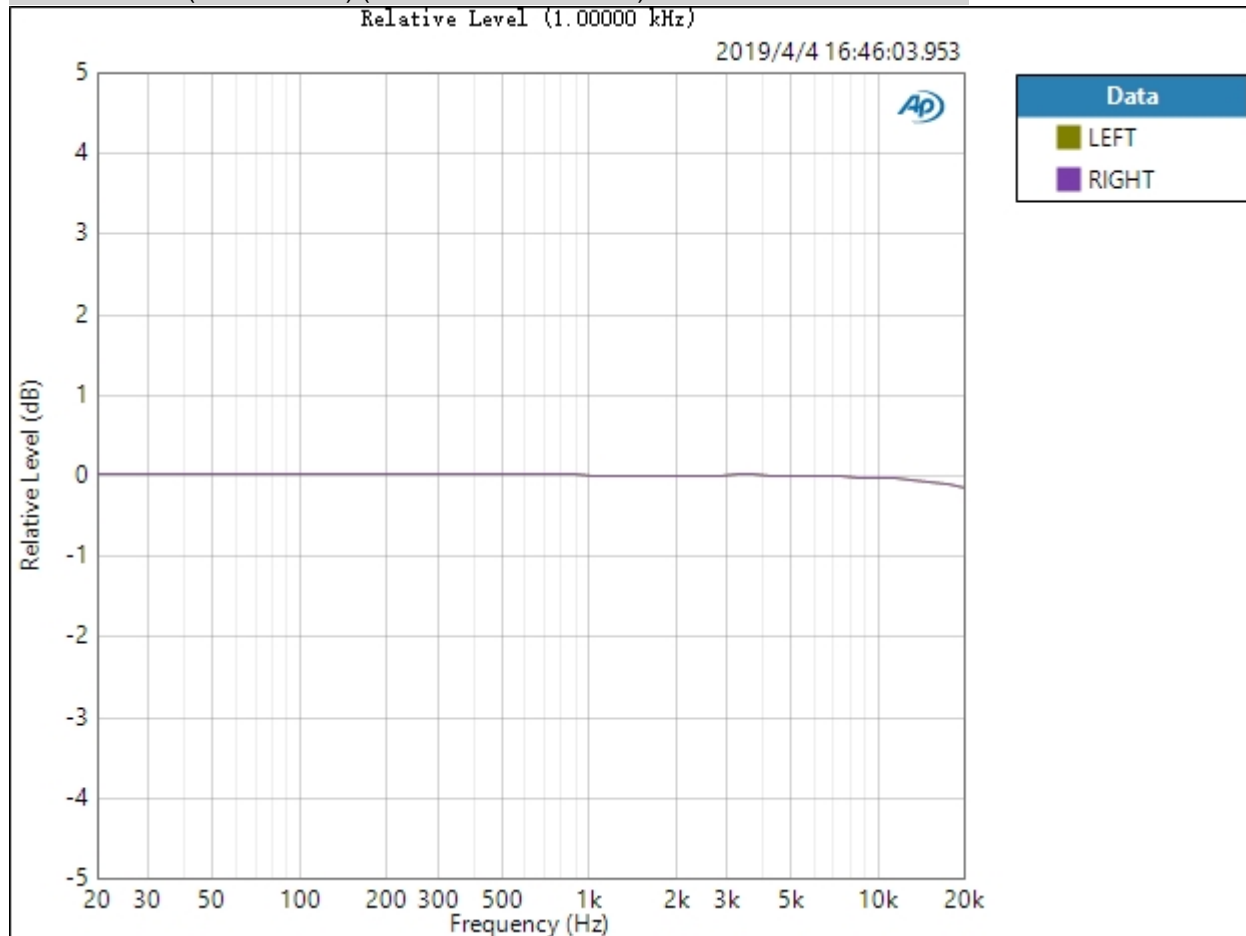
Channel	Lower Limit	Value	Upper Limit	
LEFT	110.000 dB	122.948 dB	---- dB	✓
RIGHT	110.000 dB	122.850 dB	---- dB	✓

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 16:46:03

Relative Level (1.00000 kHz) (2019/4/4 16:46:03.953)



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 16:46:03.953)

LEFT ±0.082 dB

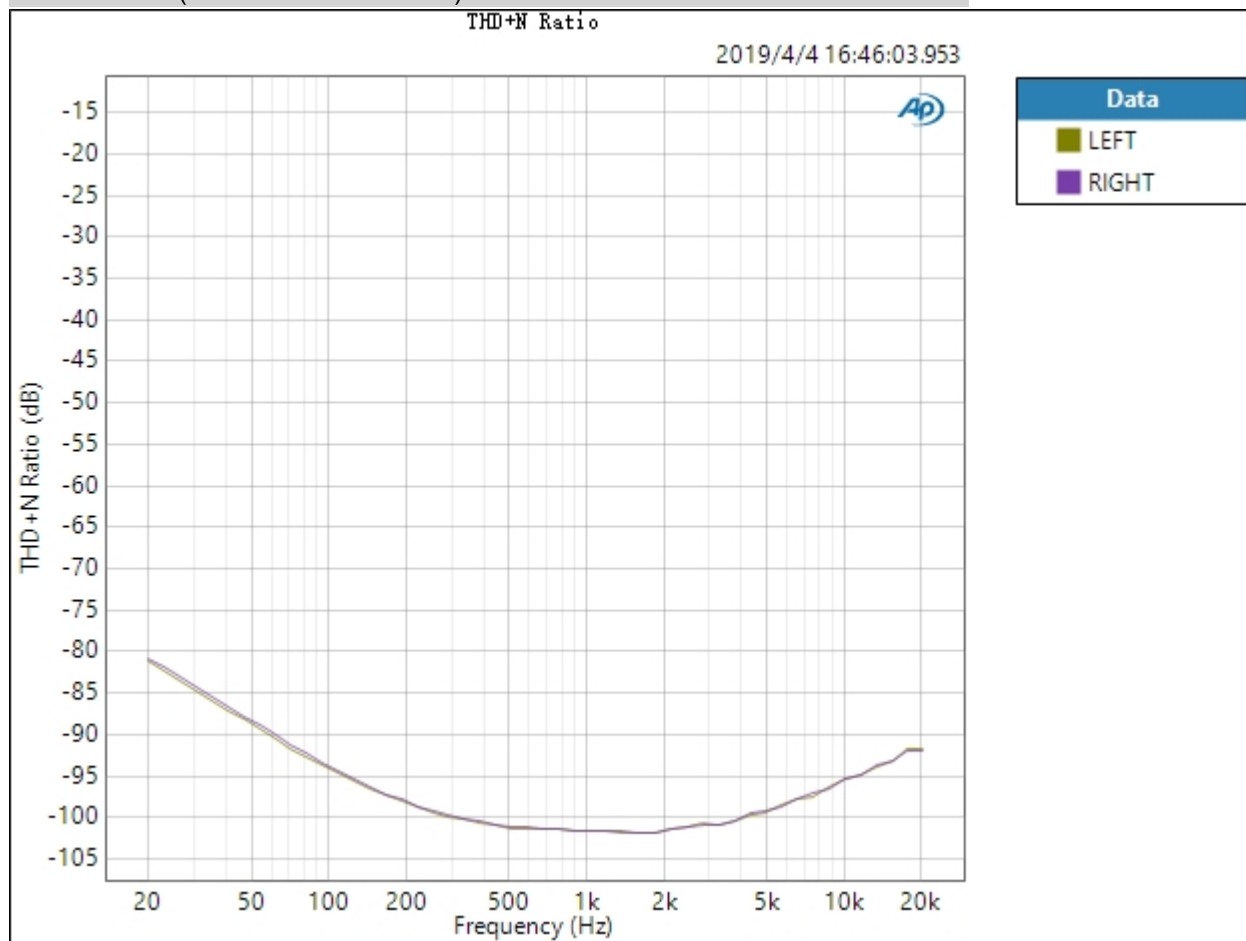
RIGHT ±0.082 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

THD+N Ratio (2019/4/4 16:46:03.953)

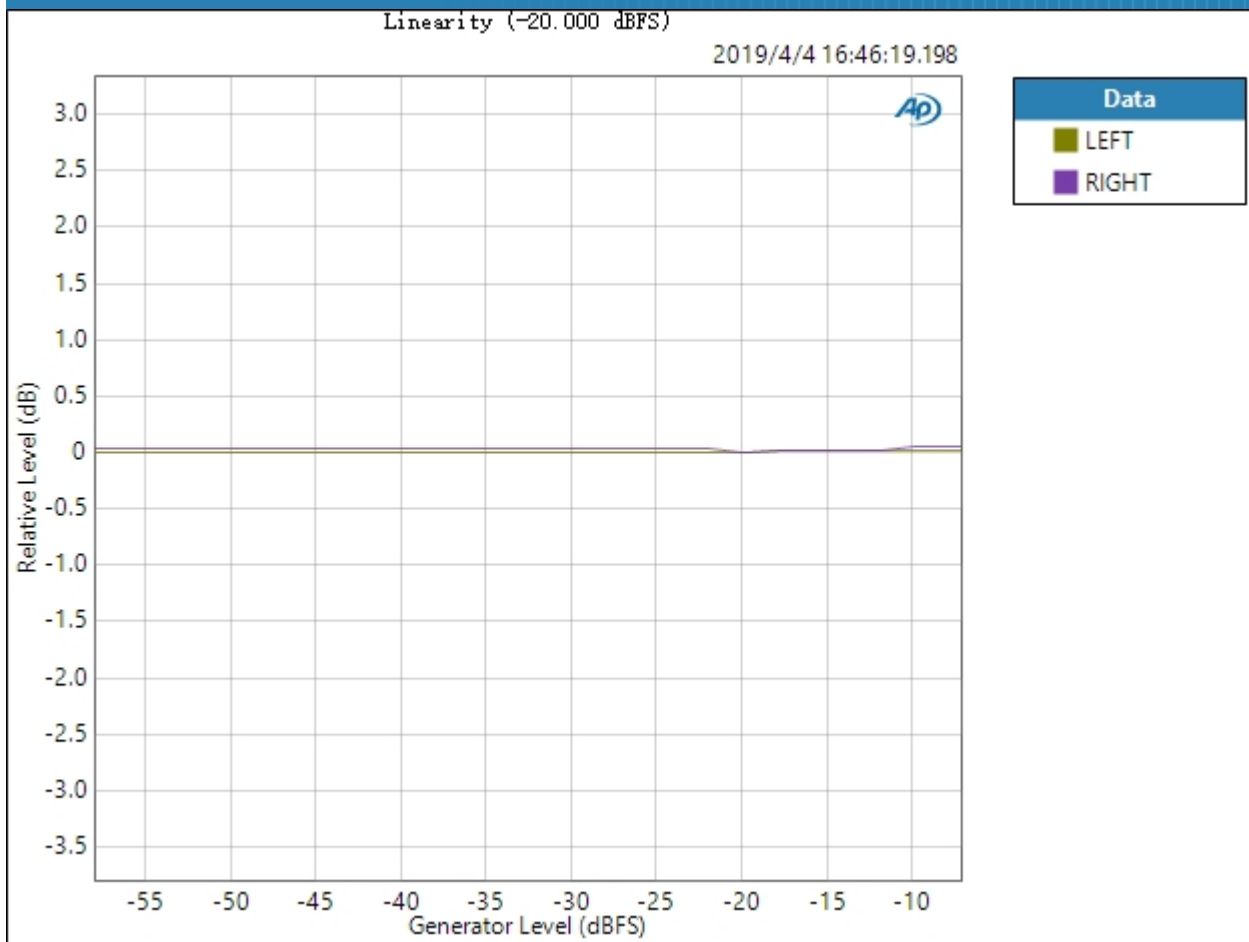


Result: ✔ PASSED



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 16:46:19  
Linearity (-20.000 dBFS) (2019/4/4 16:46:19.198)



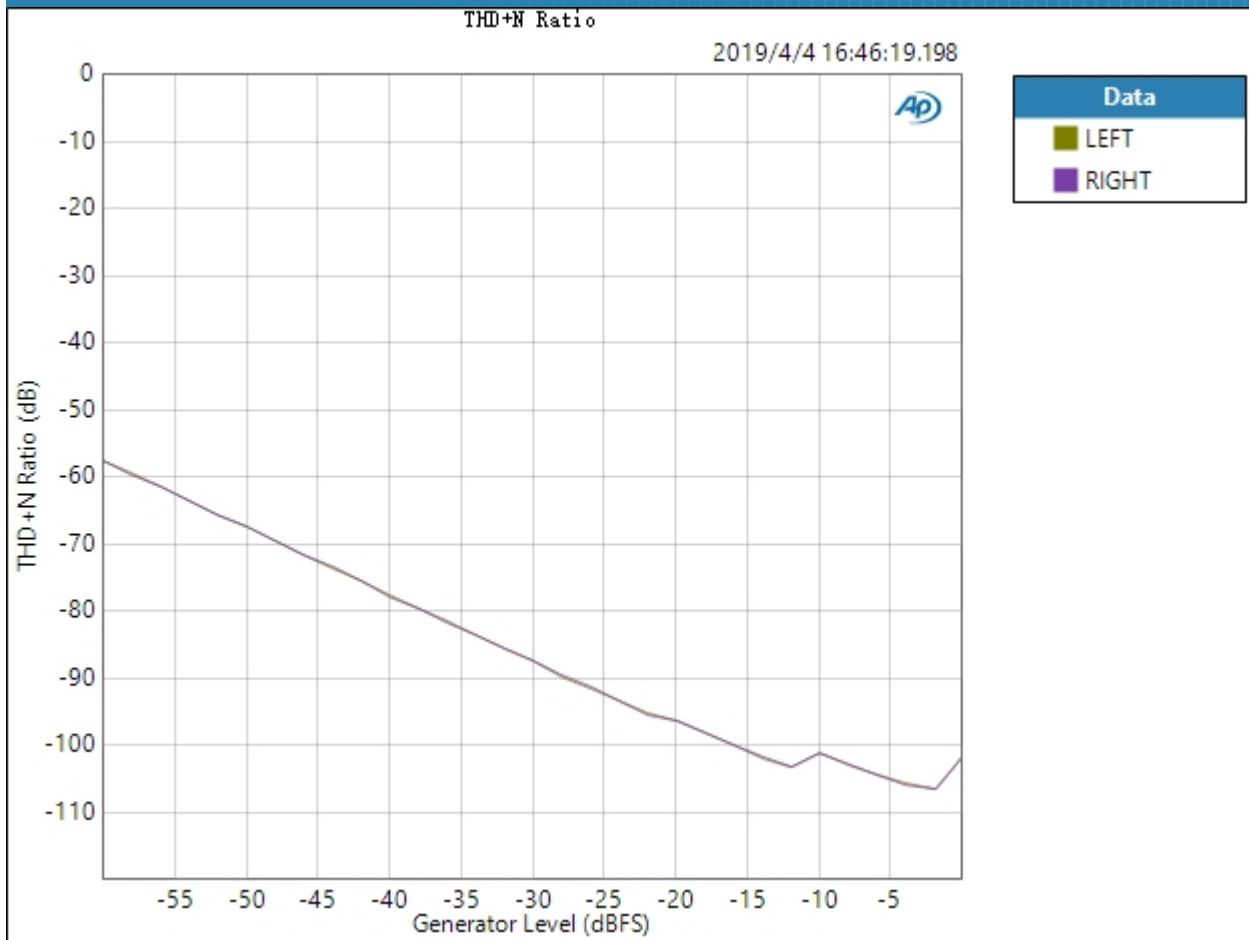
Linearity (-20.000 dBFS) Parameters

Mode: Normalized at Reference

Relative Level: -20.000 dBFS

Result: PASSED

THD+N Ratio (2019/4/4 16:46:19.198)



Result: PASSED