

Notes

Module specs.

Summary

Signal Path1

| | |
|------------------------------|----------|
| Level and Gain | ✔ PASSED |
| THD+N | ✔ PASSED |
| Frequency Response | ✔ PASSED |
| Signal to Noise Ratio | ✔ PASSED |
| Signal to Noise Ratio | ✔ PASSED |
| Stepped Level Sweep | ✔ PASSED |
| Broadband Frequency Response | ✔ PASSED |

Sequence Result:

Sequence Result: ✔ PASSED

Signal Path1 : Signal Path Setup

| | |
|-----------------------------|-----------------------|
| Output Connector: | Analog Unbalanced |
| Channels: | 4 |
| Source Impedance: | 50 ohm |
| EQ: | None |
| Input Connector: | Analog Balanced |
| Channels: | 1 |
| Channel: | Ch1 |
| Termination: | 200 kohm |
| Input Bandwidth: | DC - 90k (192 kHz SR) |
| Device Delay: | 0.000 s |
| • References | |
| dBr G: | 1.777 Vrms |
| dBm (Output Power): | 600.0 ohm |
| W(watts) (Output Power): | 8.000 ohm |
| Shared Frequency Reference: | 1.00000 kHz |
| 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): | 8.000 ohm |

• DCX

DCX is not detected.

Signal Path1 : Level and Gain

Waveform: Sine
Generator Level: 1.670 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz

RMS Level (8/3/2016 12:05:09.468 PM)

Ch1 300.7 W

Gain (8/3/2016 12:05:09.468 PM)

Ch1 29.358 dB

Signal Path1 : THD+N

Waveform: Sine
Generator Level: 500.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: 20 kHz
Weighting Filter: Signal Path
High-pass Filter: 20 Hz
Notch Tuning Mode: Measured Frequency

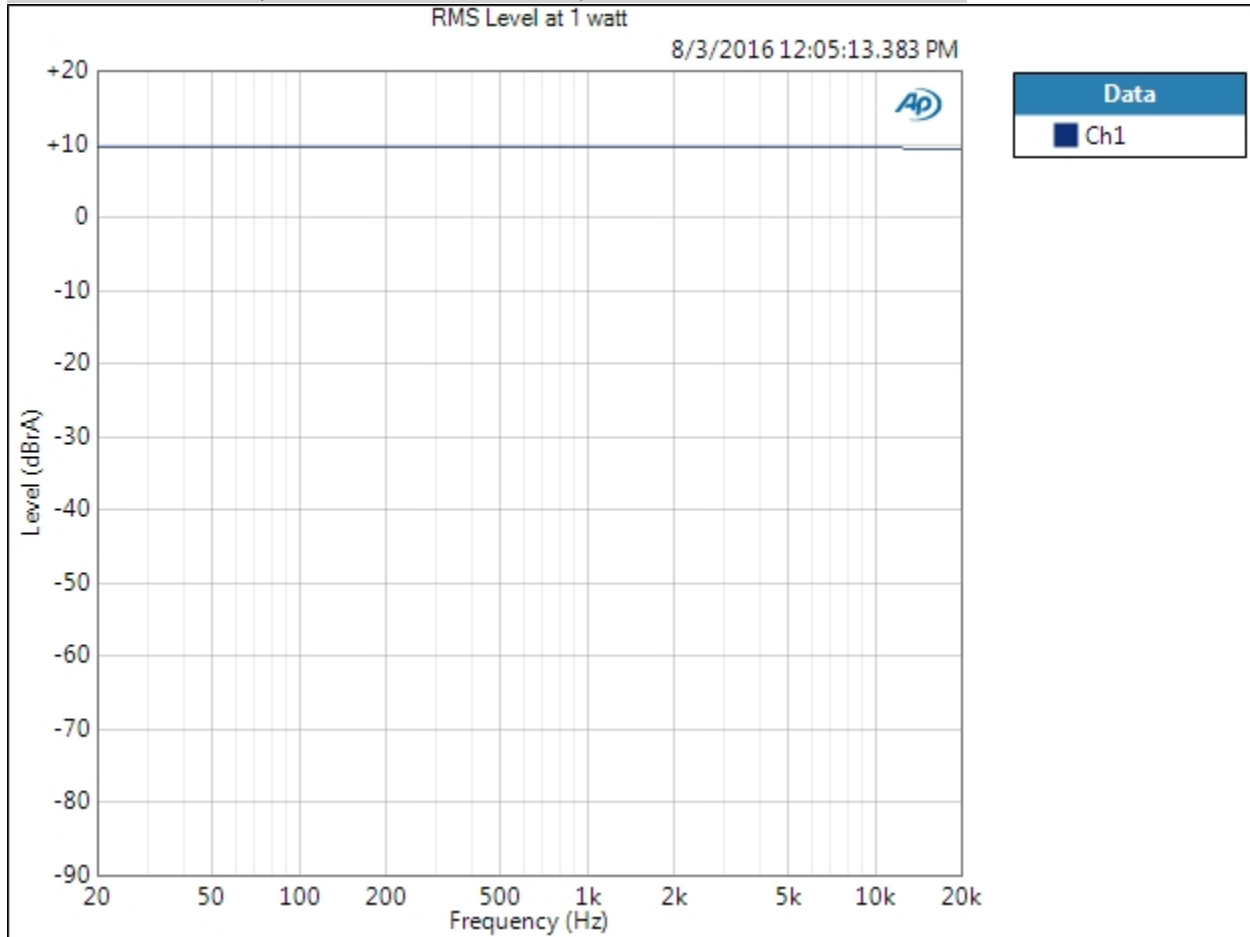
THD+N Ratio at 500mv input (8/3/2016 12:05:11.371 PM)

Ch1 0.005857 %

Signal Path1 : Frequency Response

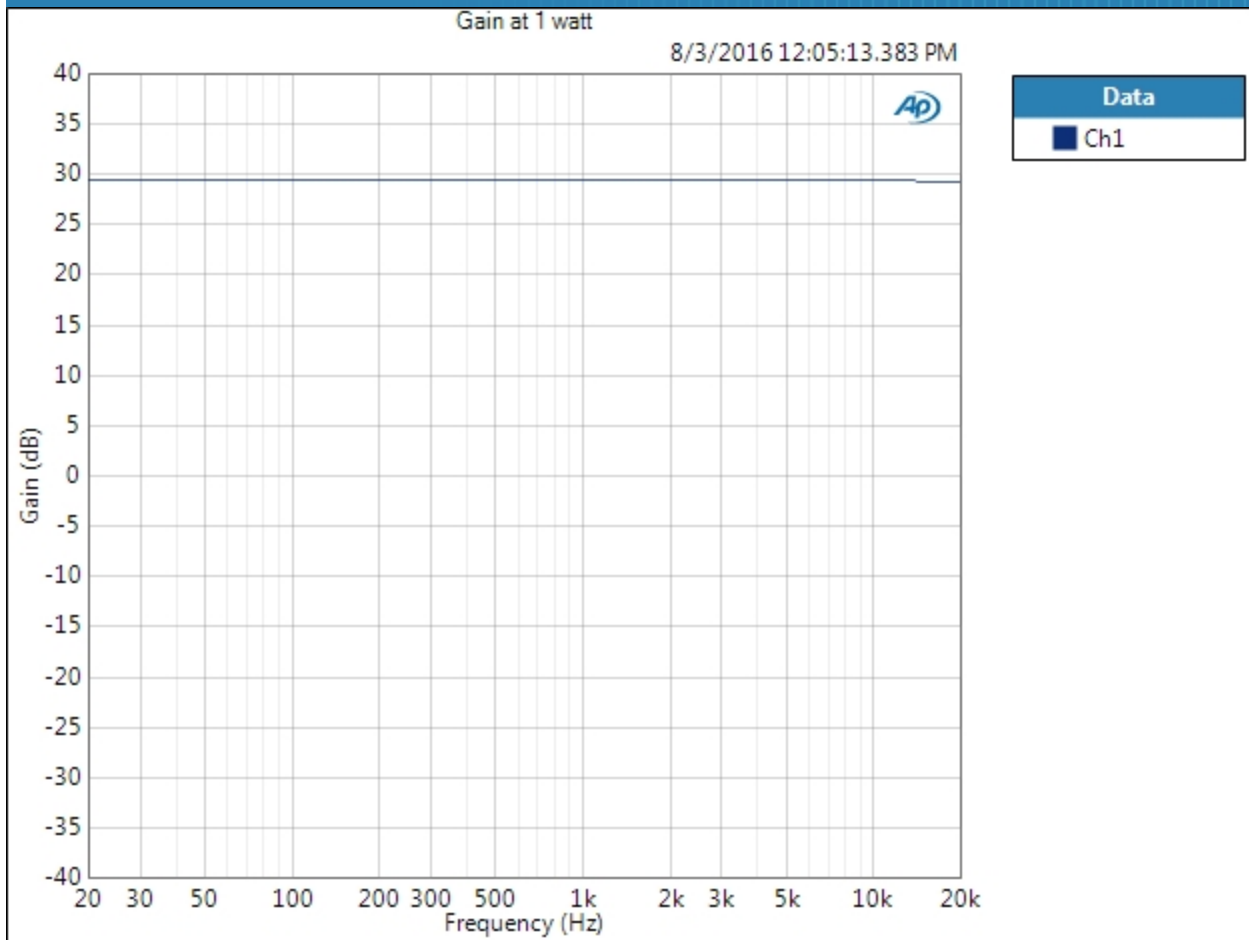
Generator Level: 100.0 mVrms
DC Offset: 0.000 V
EQ: None
Start Frequency: 20.0000 Hz
Stop Frequency: 20.0000 kHz
Sweep: 350.0 ms
Pre-Sweep: 100.0 ms
Extend Acquisition By: 50.00 ms
Secondary Source: None
Measured 1 8/3/2016 12:05:13 PM

RMS Level at 1 watt (8/3/2016 12:05:13.383 PM)



Result: PASSED

Gain at 1 watt (8/3/2016 12:05:13.383 PM)



Result: PASSED

Deviation (20.0000 Hz - 20.0000 kHz) (8/3/2016 12:05:13.383 PM)

Ch1 ± 0.171 dB

Deviation (20.0000 Hz - 20.0000 kHz) Parameters

Min: 20.0000 Hz

Max: 20.0000 kHz

Signal Path1 : Signal to Noise Ratio

Waveform: Sine
Generator Level: 100.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: 20 kHz
Weighting Filter: A-wt.
High-pass Filter: 20 Hz

Signal to Noise Ratio - 1 watt (8/3/2016 12:05:15.177 PM)

Ch1 91.829 dB

Signal Path1 : Signal to Noise Ratio

Waveform: Sine
Generator Level: 1.830 Vrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Low-pass Filter: 20 kHz
Weighting Filter: A-wt.
High-pass Filter: 20 Hz

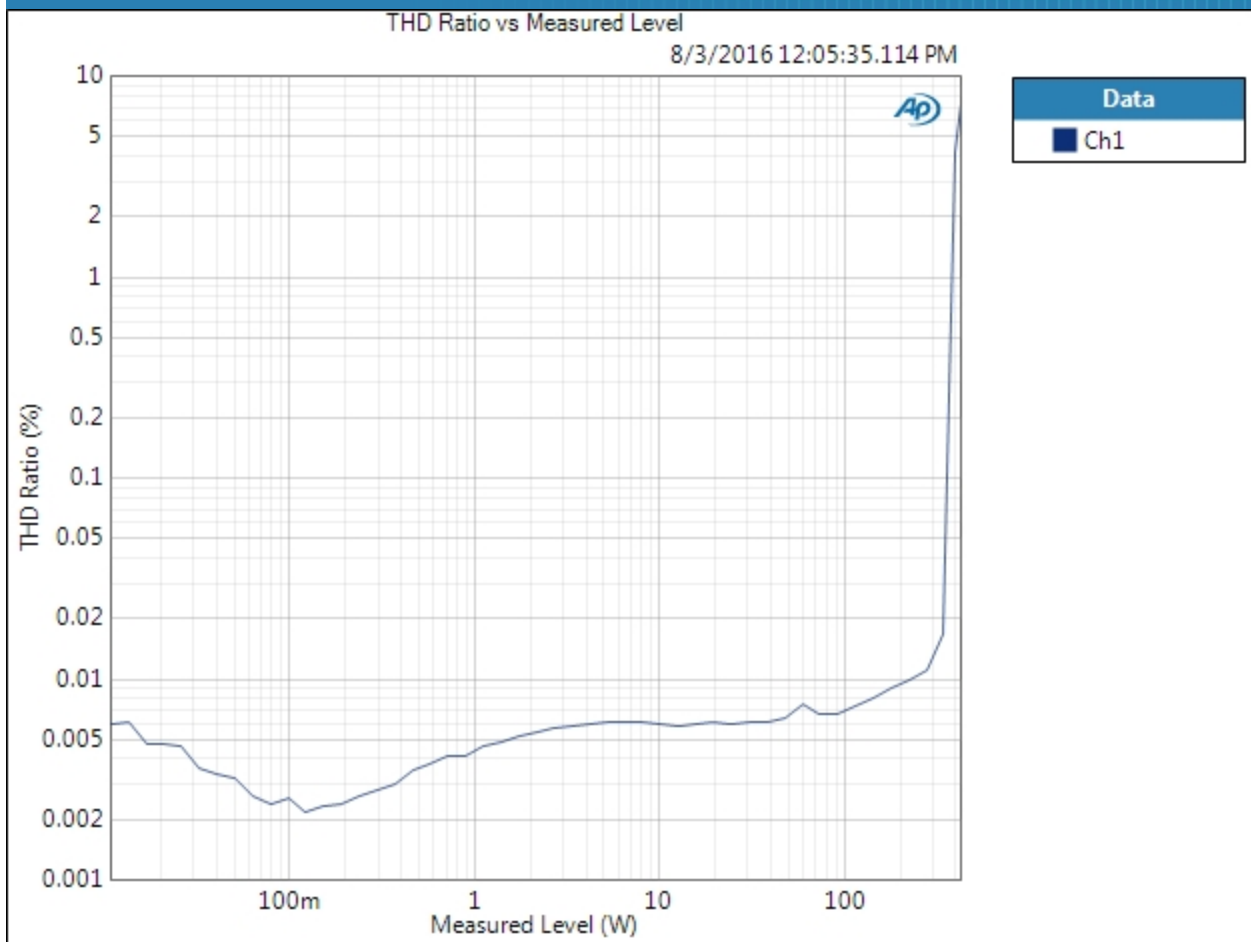
Signal to Noise Ratio - Rated power (8/3/2016 12:05:16.971 PM)

Ch1 117.120 dB

Signal Path1 : Stepped Level Sweep

Waveform: Sine
Generator Level: 100.0 mVrms
DC Offset: 0.000 V
Frequency: 1.00000 kHz
Start Level: 10.00 mVrms
Stop Level: 2.200 Vrms
Step Type: Logarithmic
Number of Points: 50
Offset: 0.000 V
Low-pass Filter: 20 kHz
Weighting Filter: Signal Path
High-pass Filter: 20 Hz
Notch Tuning Mode: Generator Frequency
Measured 1 8/3/2016 12:05:35 PM

THD Ratio vs Measured Level (8/3/2016 12:05:35.114 PM)



Result: PASSED

Signal Path1 : Broadband Frequency Response

Generator Level: 100.0 mVrms

DC Offset: 0.000 V

EQ: None

Start Frequency: 5.00000 Hz

Stop Frequency: 80.1000 kHz

Sweep: 350.0 ms

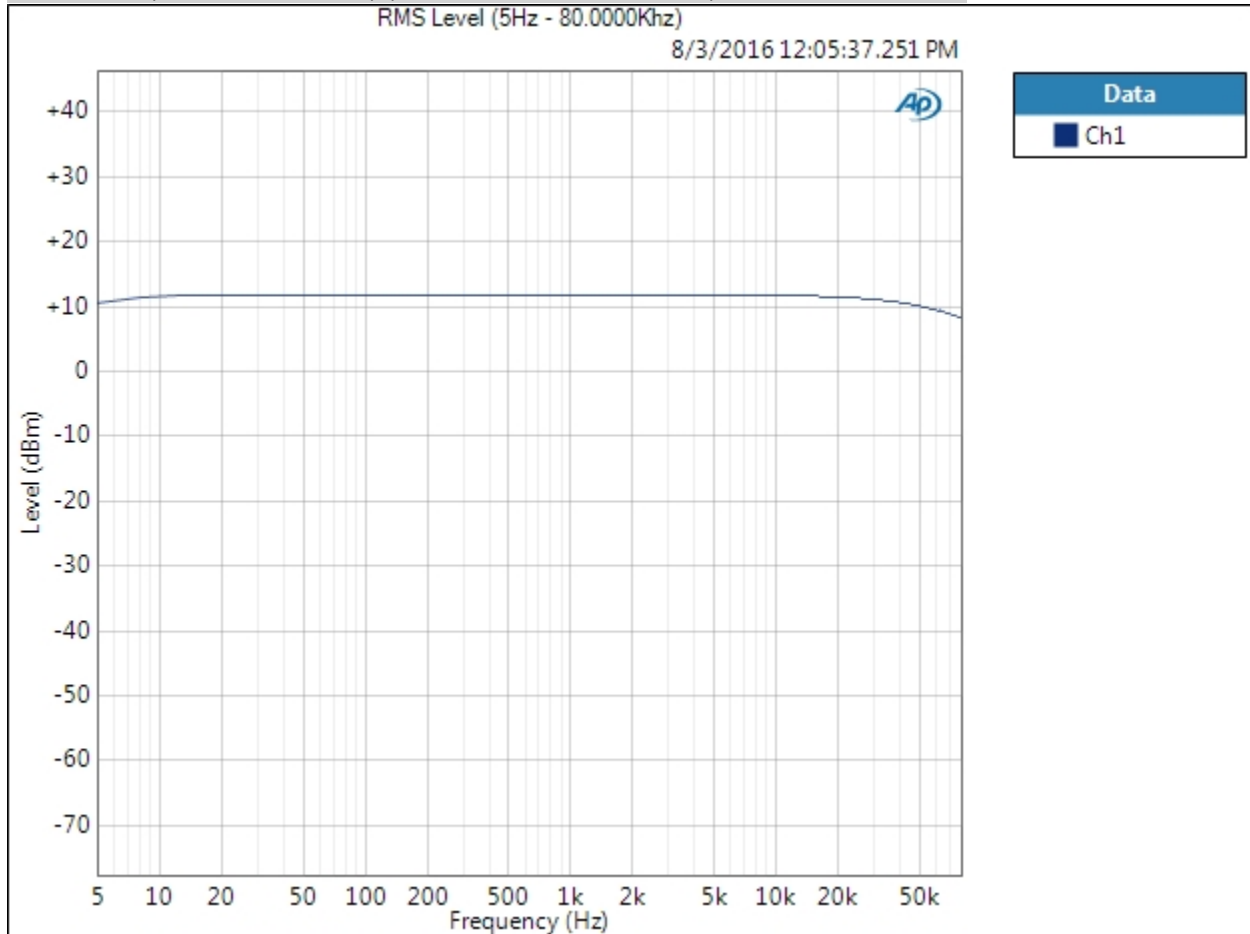
Pre-Sweep: 100.0 ms

Extend Acquisition By: 50.00 ms

Secondary Source: None

Measured 1 8/3/2016 12:05:37 PM

RMS Level (5Hz - 80.0000Khz) (8/3/2016 12:05:37.251 PM)



Result: PASSED