

Power Draw:

**UL Wire Class:** 

Weight:

## Common Amplifier Format

## Rane RAD24\*

\*Note: This amplifier module requires a Rane HAL host DSP. Some specs include the HAL response.

As Measured

As Given

General	
Serial #:	844017
# Channels:	1
Topology:	Class D Switch-mode
Sample Rate:	48 kHz
Mfg Website:	www.rane.com
Physical	
Height:	2 Gang
Depth:	<b>0.5/3.3</b> in./cm.
AC Mains:	100-240 VRMS

Tested by		
Company:	www.etcinc.us	
Tech:	Pat Brown	
Date:	JUL 2014	_

**55** W Max

.182/6.4 kg/oz

CAT5e

Instrumentation	
Audio Precision APx515 Voltmeter	
Hioki 3334 Power Analyzer	
NTI XL2 SLM	
NTI MA220 Preamp	
ACO 7052 Microphone	

Ref	Plot	Specification		
1.1	Α	Input Sensitivity (1 kHz, 8 ohms, user-selectable)	<b>NA</b> Vrms	<b>NA</b> dBu
1.2	Α	Voltage Gain (Sensitivity-dependent)	<b>NA</b> dB	
1.3	Α	Maximum Output Voltage	<b>2.5</b> Vrms	<b>4</b> Vpeak
1.4		Maximum Input Voltage (@ min sens)	NA Vrms	<b>NA</b> dBu
1.5	K	Noise Floor (20 Hz - 20 kHz)	<b>-42</b> dBu	
1.6		Dynamic Range (1 kHz A-wtd)	<b>83</b> dB	
1.7	С	Frequency Response Deviation (20 Hz - 20 kHz 8 ohms)	<b>+-0.5</b> dB	
1.8	G	Latency (1 kHz)	<b>2.3</b> ms	
1.9	ı	CMRR @ 1 kHz (see Plot H)	<b>NA</b> dB	
1.10		Input Impedance (1 kHz)	<b>NA</b> kohms	
1.11		Damping Factor	47	
1.12	L	Fan Noise - Maximum (Front)	<b>NA</b> dBA-Slow ref. 1 m	

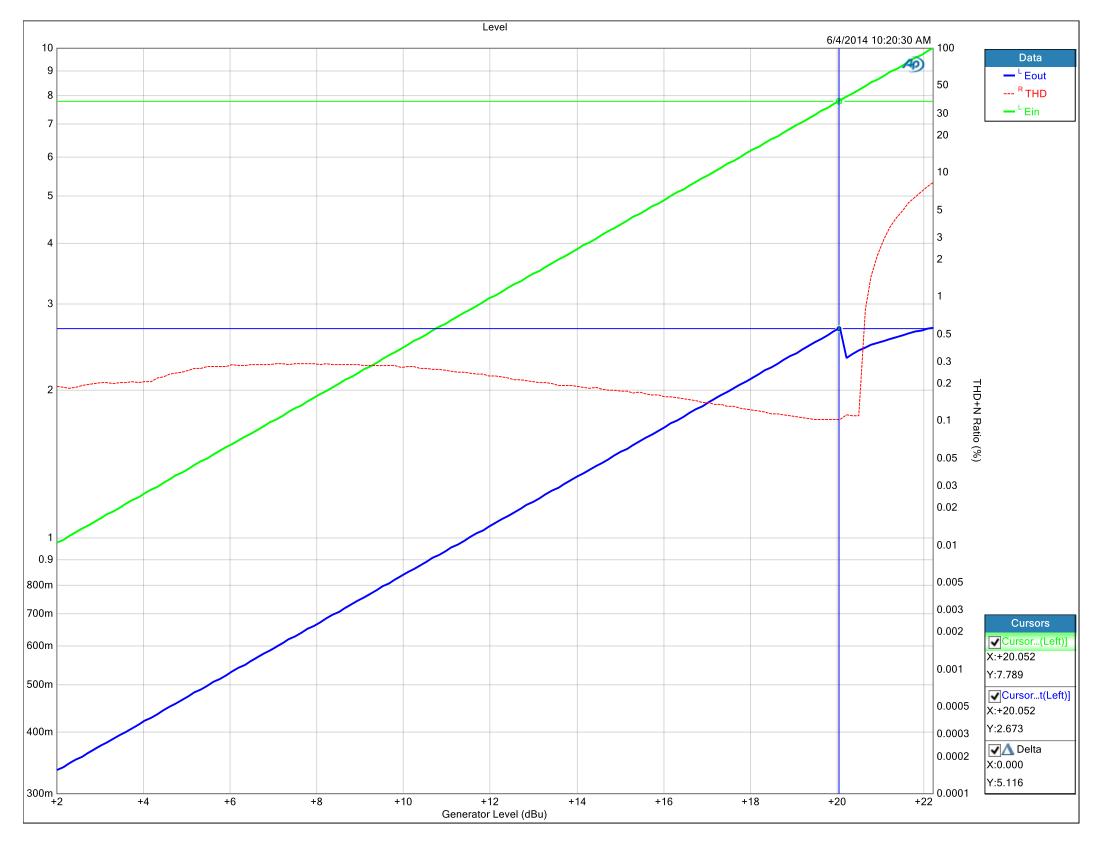
	<u>Plots</u>	I/O Matrix
Α	Input vs. Output Level	
В	Frequency Response (20 Hz - 20 kHz)	Mono (1ch)
С	Frequency Response (2 Hz - 80 kHz)	
D	THD Ratio vs. Frequency	
Е	IMD Difference Frequency Distortion	
F	<b>Excess Phase Response</b>	
G	<b>Group Delay vs. Frequency</b>	
Н	Crosstalk	
1	Common-Mode Rejection Ratio (CMRR)	
J	Noise Floor Spectrum	_
K	Pin 1 Response	Links to Data
M	Short-Circuit Behavior	

**To Main Page** 

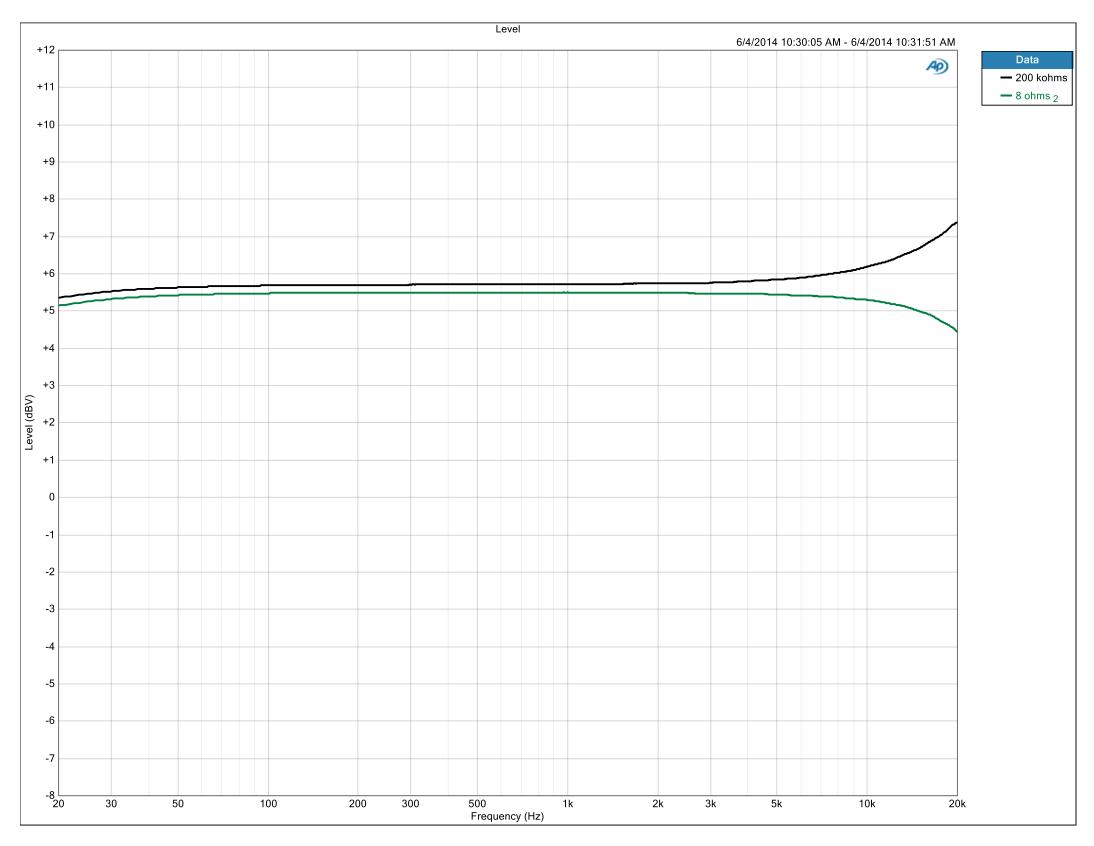
Mode: Mono Channels: 1 Line Vrms: 120

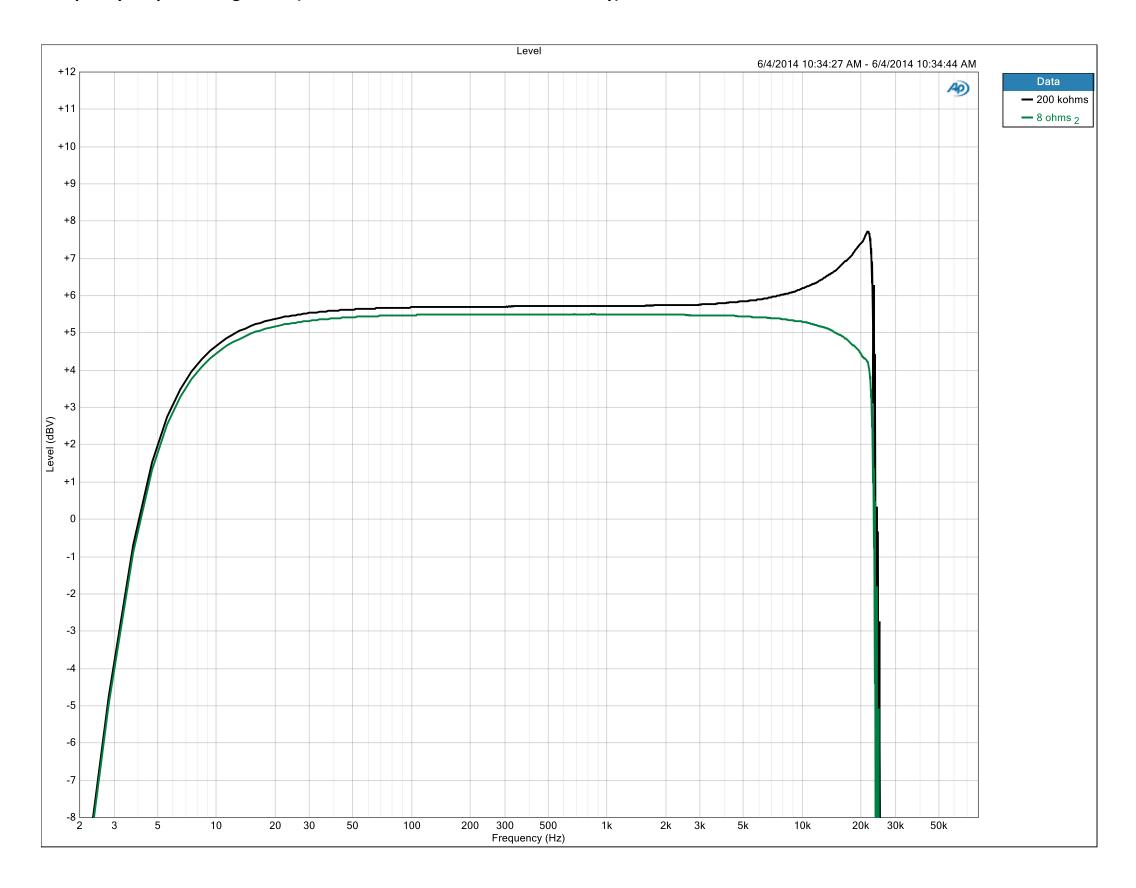
Ref		Α	В	С			F	G	Н	1	J	K	L	M
				Audi	o (per cha	_				Sı	upply (total	)	Therm	al Output
		Crest		<u>.</u>		Loading	Rated	Meas.	Meas.			Power		
Stimulus	Stimulus		Load R			Eff. (dB)	Watts	Watts	dBW	Amps	Watts	Factor	BTU/hr	kCal/hr
2.1 Burst	CEA2006 1 kHz	17	8	20.6	2.5	0	1	1	-1.1					
AAAAAA AAAAAA AAAAAA	40/ TUD		4											
-\\\\\-\\\\\\-\\\\\\	1% THD		2											_
2.2 Burst	CEA2006 50 Hz	17	8	21.0	2	0		1	-1.8					
			4											
-\\\\-\\\\	1% THD		2											
AAAAA AAAAA AAAAA														
2.3 Tone	1 kHz 15 sec	3	8	21.0	2.5	0		1	-1.1	0.37	29	0.66	97	25
0 0 0 0 0			4											
'\ <i>/</i> \/\/\/\/			2											
0 0 0 0 0														
2.4 Tone	50 Hz 15 sec	3	8	21.0	2.4	0		1	-1.4	0.37	29	0.66	98	25
0 0 0 0 0			4											
'\/\/\/\/\/\/\/\			2											
			_											
2.5 Noise	Pink 60 sec	9	8	16	1.3	0		0.21	-6.8	0.35	28	0.66	94	24
المالة منا اللحاد بالماميين.	1/4 Power		4											
MULL LA JINALANIANIANIANIANIANIANI			2											
2.6 Noise	Pink 60 sec	12	8	13	1.0	0		0.13	-9.0	0.4	28	0.66	94	24
to the and think and between	1/8 Power		4											
N.M. A. Matabidahali at at M			2											
2.7 2.8 Idle ("0	Inrush Current On" but no signal)									0.26	20	0.65	69	17
2.9	Standby										0			
Ref		Α	В	С	D	E	F	G	Н	1	J	K	L	М

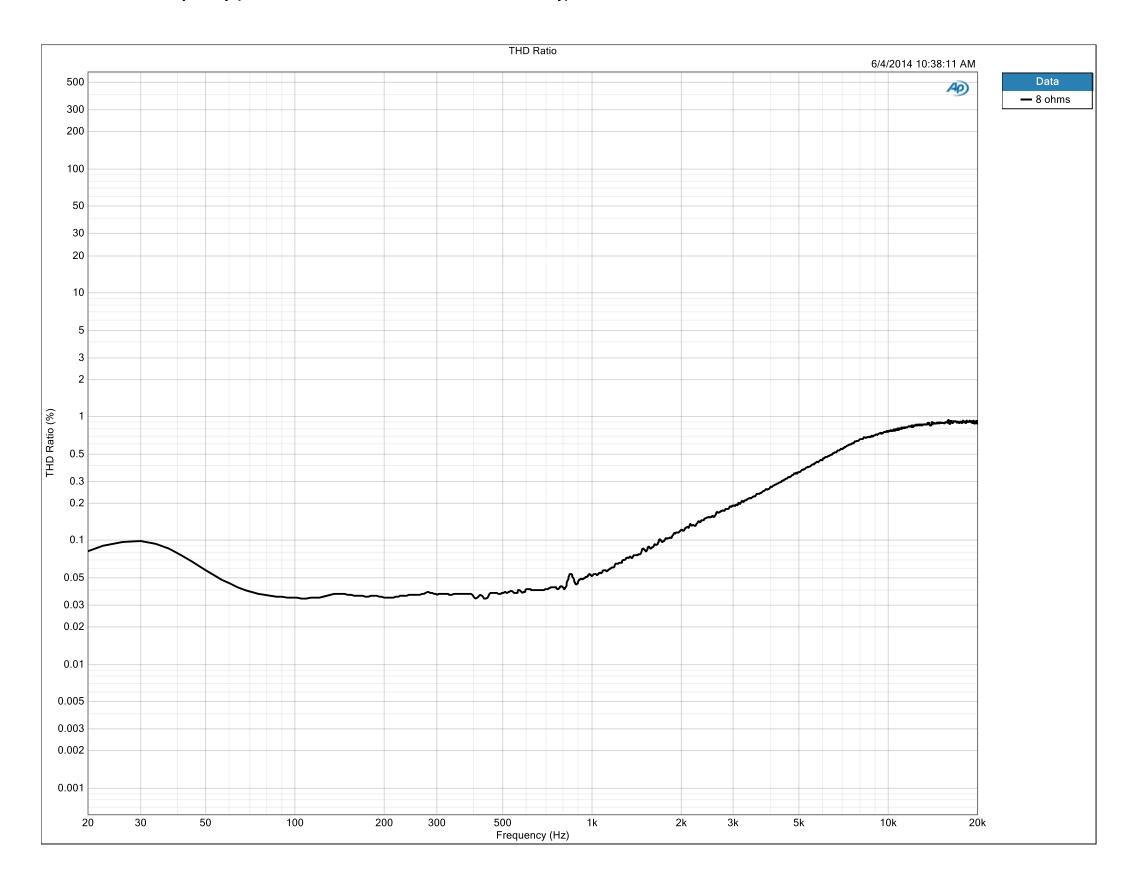
A Input vs. Output Voltage To Main Page



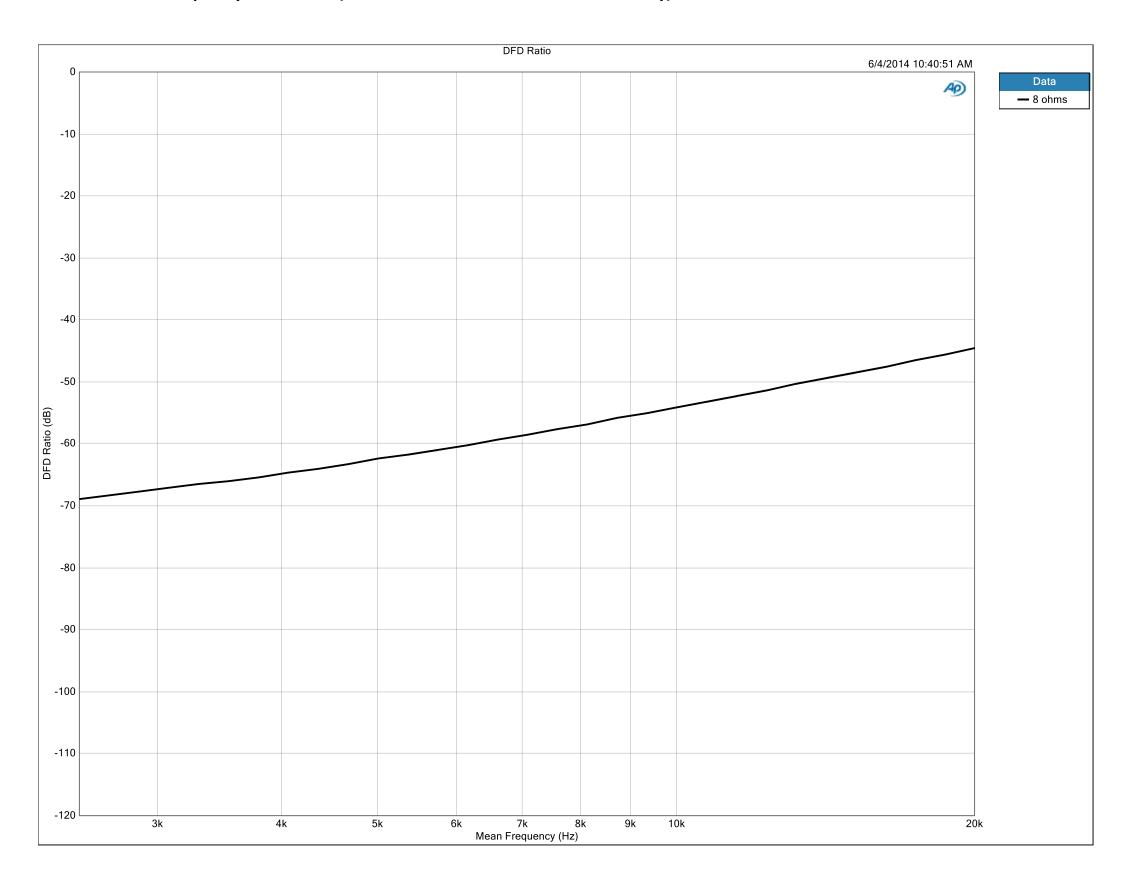
Note: The cursors are set for the determination of input sensitivity, maximum linear output voltage, and voltage gain.

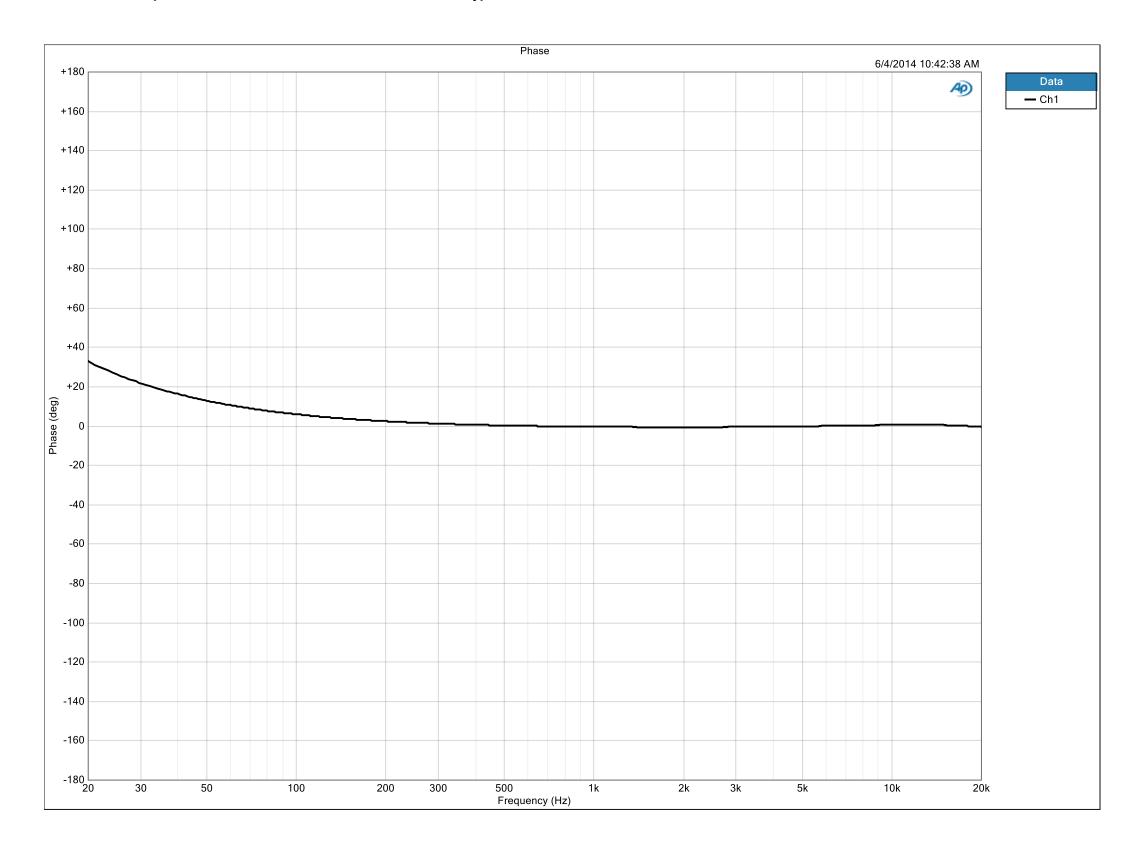


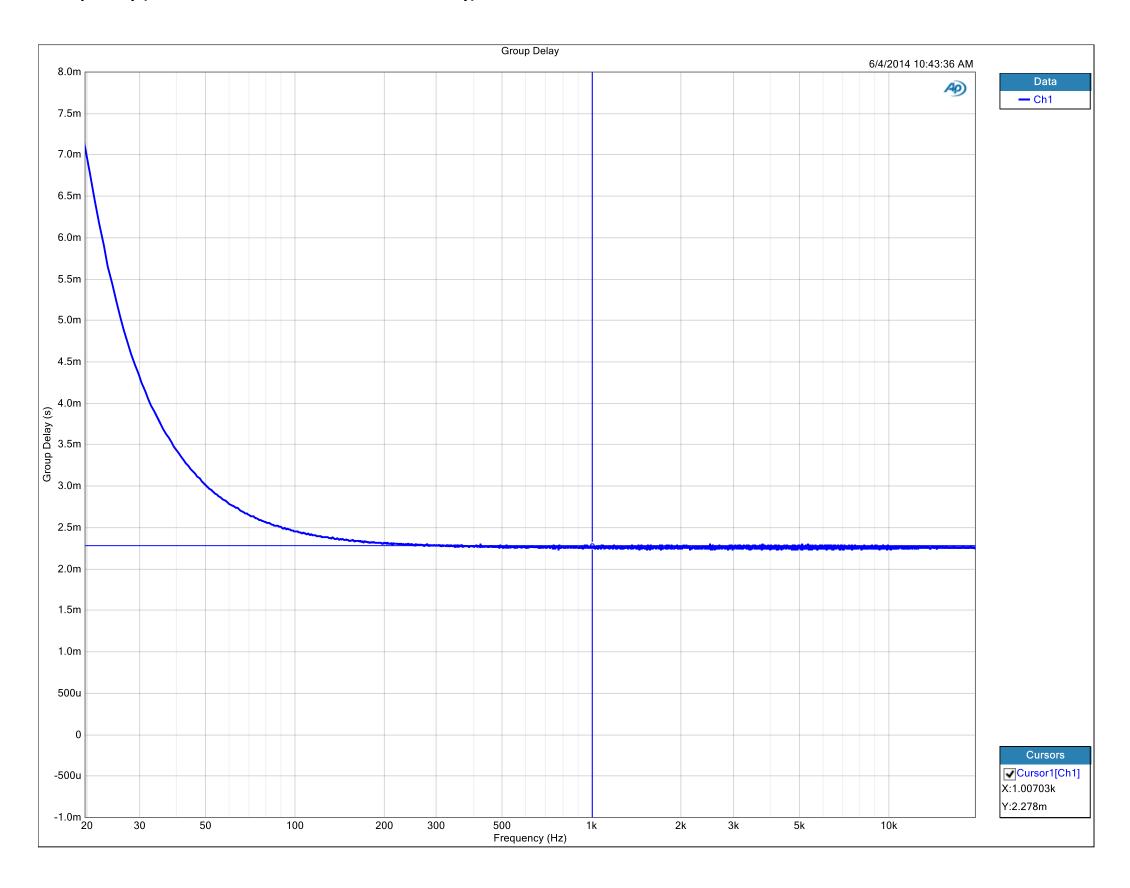




See CAF Reference for measurement setup.

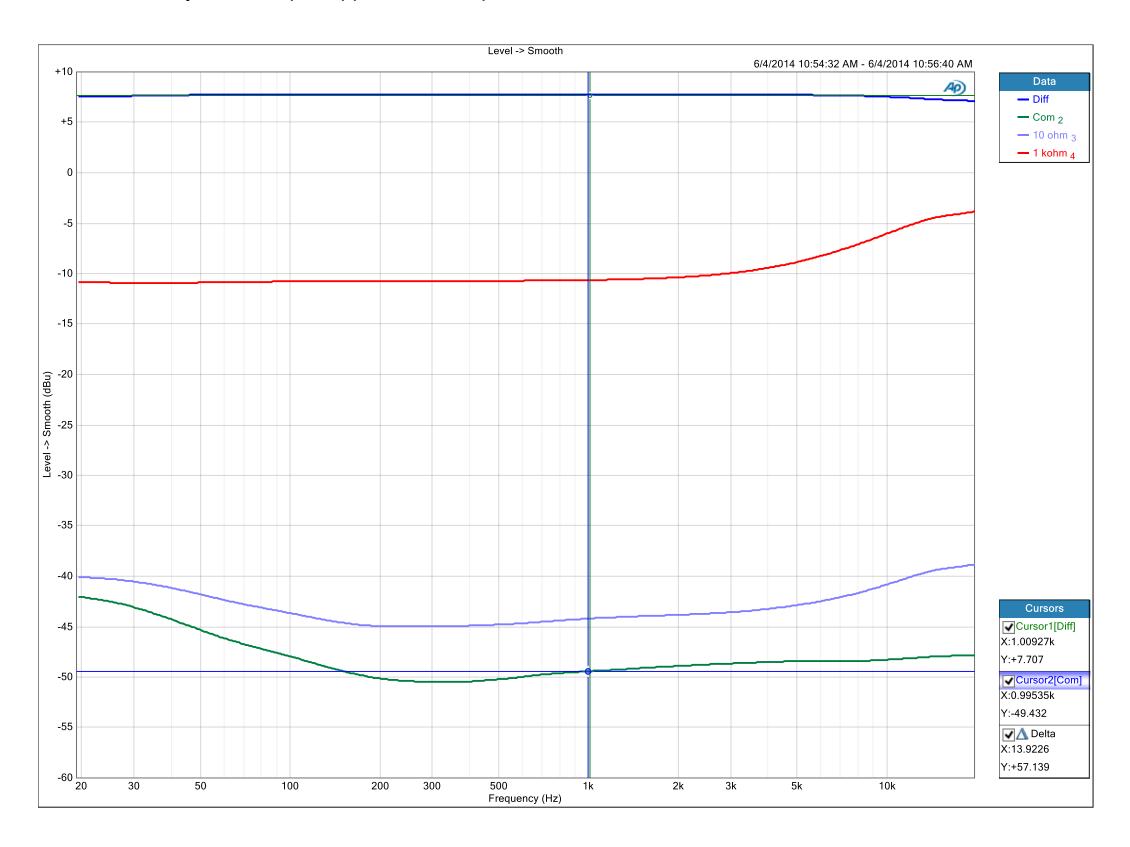


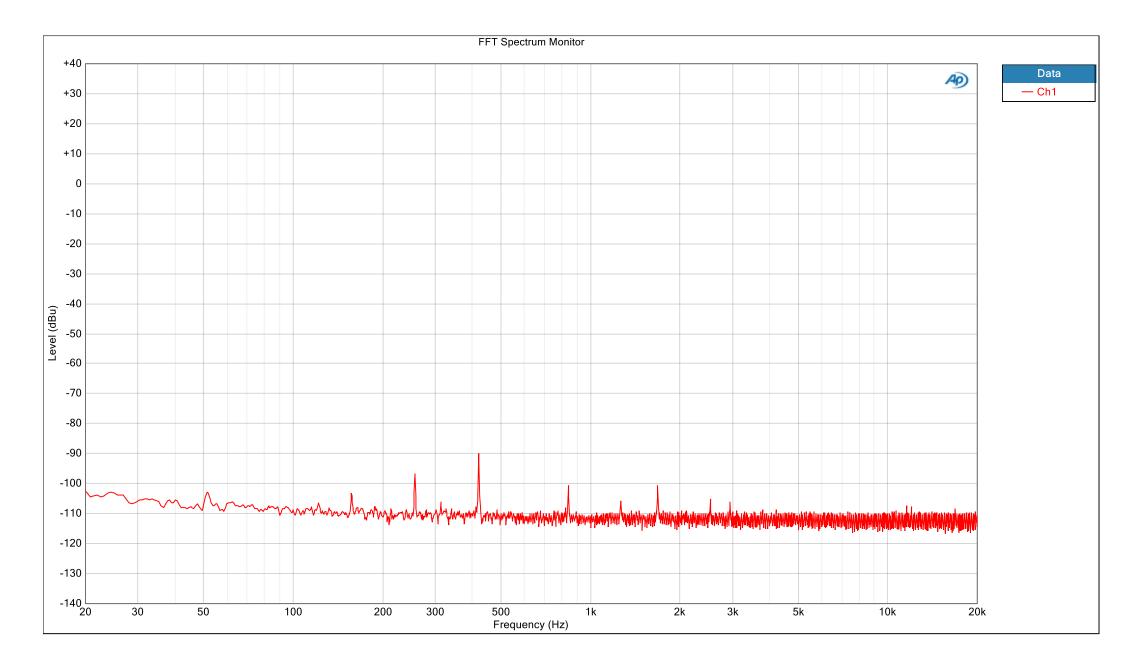




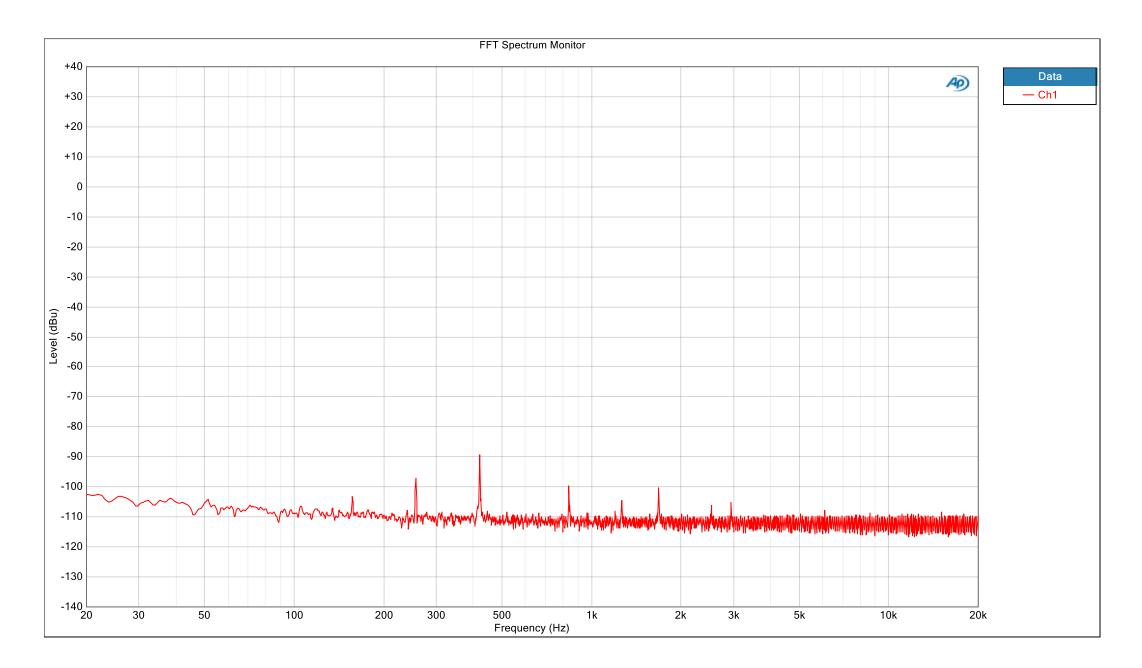
H Crosstalk, One Channel Driven To Main Page

NA





FFT Size: 300k #Averages: 20 Window: AP-Equiripple



FFT Size: 300k #Averages: 20 Window: AP-Equiripple

Fan Noise Level and Spectrum

To Main Page

NA

M Short-Circuit Behavior To Main Page

