











Notes

Partial measurements with 8 ohm loads.
Additional measurements performed with 4 ohms loads and passive bi-amping.

Both channels driven simultaneously into 8 ohm loads.
Generator level (Vin) set to the following:
Vin=0.135Vrms for 1W into 8 ohms
Vin=0.946Vrms for 50W into 8 ohms

Summary

Signal Path1

FFT Spectrum with 1KHz Signal	 PASSED
Maximum Output	 PASSED
Maximum Output (Burst)	 PASSED
THD+N	 PASSED
Intermodulation Distortion, 19K+20KHz	 PASSED
Signal to Noise Ratio	 PASSED
Gain & Frequency Response	 PASSED
Interchannel Phase	 PASSED
DC Level	 PASSED
Stepped Level Sweep	 PASSED

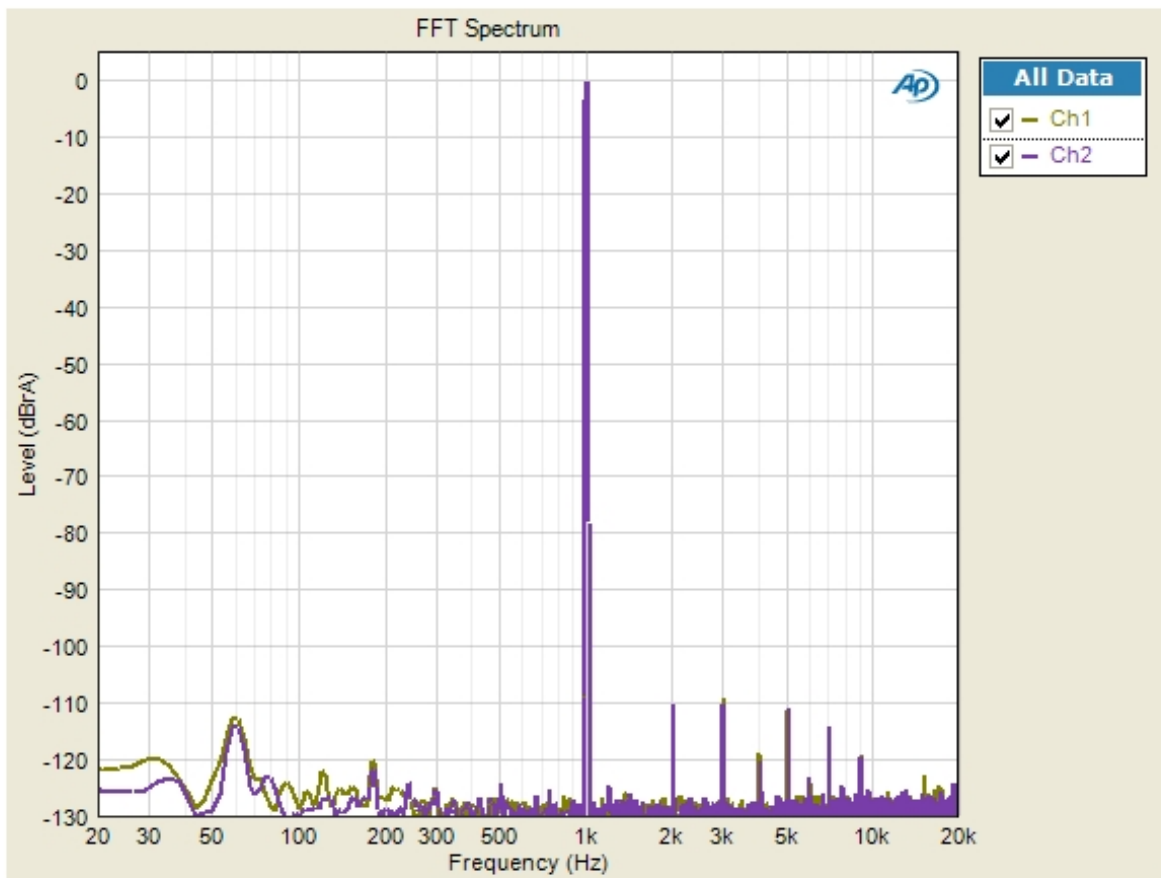
Sequence Result:

Sequence Result: PASSED

Signal Path1 : FFT Spectrum with 1KHz Signal

Waveform: Sine
Generator Level: 135.0 mVrms
Frequency: 1.00000 kHz
FFT Length: 64K
Averages: 8
Trigger: Free Run
Window: AP-Equiripple
Delay Time: 250.0 ms
Max Input Bandwidth: Use Signal Path



FFT Spectrum



Signal Path1 : Maximum Output

Waveform: Sine
 Frequency: 1.00000 kHz
 Maximum Level: 1.250 Vrms
 Measured Channel: Ch1
 Target THD+N: 1.000 %
 Generator Tolerance: 0.200 %
 Low-pass Filter: 20 kHz
 THD+N Filter: 20 Hz highpass




RMS Level

Channel	Lower Limit	Value	Upper Limit	
Ch1	70.00 W	73.78 W		
Ch2	70.00 W	74.01 W		
Result:		 PASSED		

Signal Path1 : Maximum Output (Burst)

Generator Level: 1.325 Vrms
 Signal: 1 kHz CEA-2006
 Maximum Level: 1.420 Vrms
 Measured Channel: Ch1
 Target THD+N: 1.000 %
 Generator Tolerance: 0.200 %
 Low-pass Filter: 20 kHz
 THD+N Filter: 20 Hz highpass

RMS Level

Channel	Lower Limit	Value	Upper Limit	
Ch1	90.00 W	94.91 W		
Ch2	90.00 W	94.92 W		
Result:		 PASSED		

Signal Path1 : THD+N

Waveform: Sine
 Generator Level: 0.946 Vrms
 Frequency: 1.00000 kHz
 Low-pass Filter: 20 kHz
 THD+N Filter: 20 Hz highpass

THD+N Ratio

Channel	Lower Limit	Value	Upper Limit	
Ch1		0.000608 %	0.000700 %	
Ch2		0.000613 %	0.000700 %	
Result:		 PASSED		

Signal Path1 : Intermodulation Distortion, 19K+20KHz

IMD Type: DFD
 Waveform: Sine
 Generator Level: 0.946 Vrms
 Mean Frequency: 19.5000 kHz
 Diff Frequency: 1.00000 kHz
 Mode: d2

DFD Ratio

Channel	Lower Limit	Value	Upper Limit	
Ch1		-114.484 dB	-114.000 dB	
Ch2		-116.032 dB	-114.000 dB	
Result:		 PASSED		

Signal Path1 : Signal to Noise Ratio

Waveform: Sine
Generator Level: 0.946 Vrms
Frequency: 1.00000 kHz
Low-pass Filter: 20 kHz
Noise Filter: A-wt. (20 - 20 kHz)

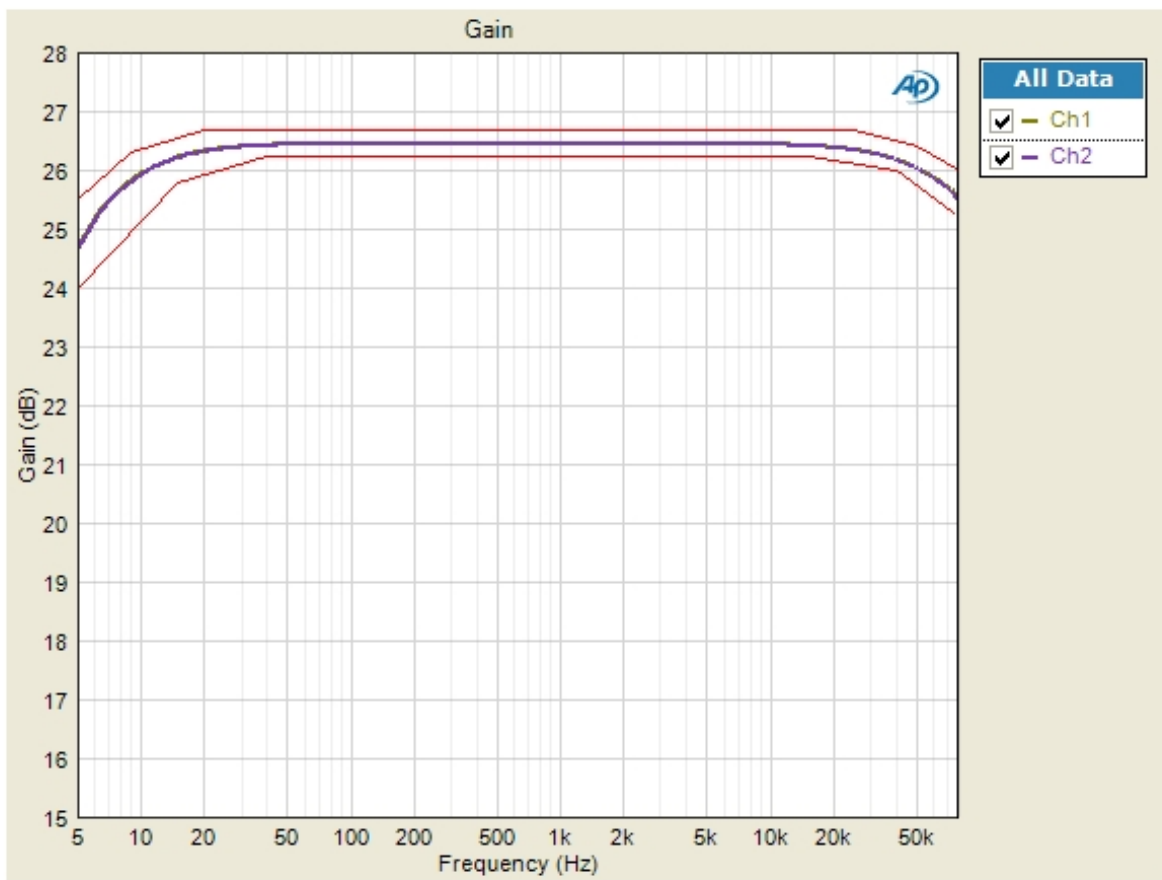
Signal to Noise Ratio

Channel	Lower Limit	Value	Upper Limit	
Ch1	113.000 dB	113.849 dB		
Ch2	113.000 dB	114.066 dB		
Result:		 PASSED		

Signal Path1 : Gain & Frequency Response

Generator Level: 135.0 mVrms
Start Frequency: 5.00000 Hz
Stop Frequency: 80.0000 kHz
Sweep: 2.500 s
Pre-Sweep: 200.0 ms
Extend Acquisition By: 10.00 ms

Gain

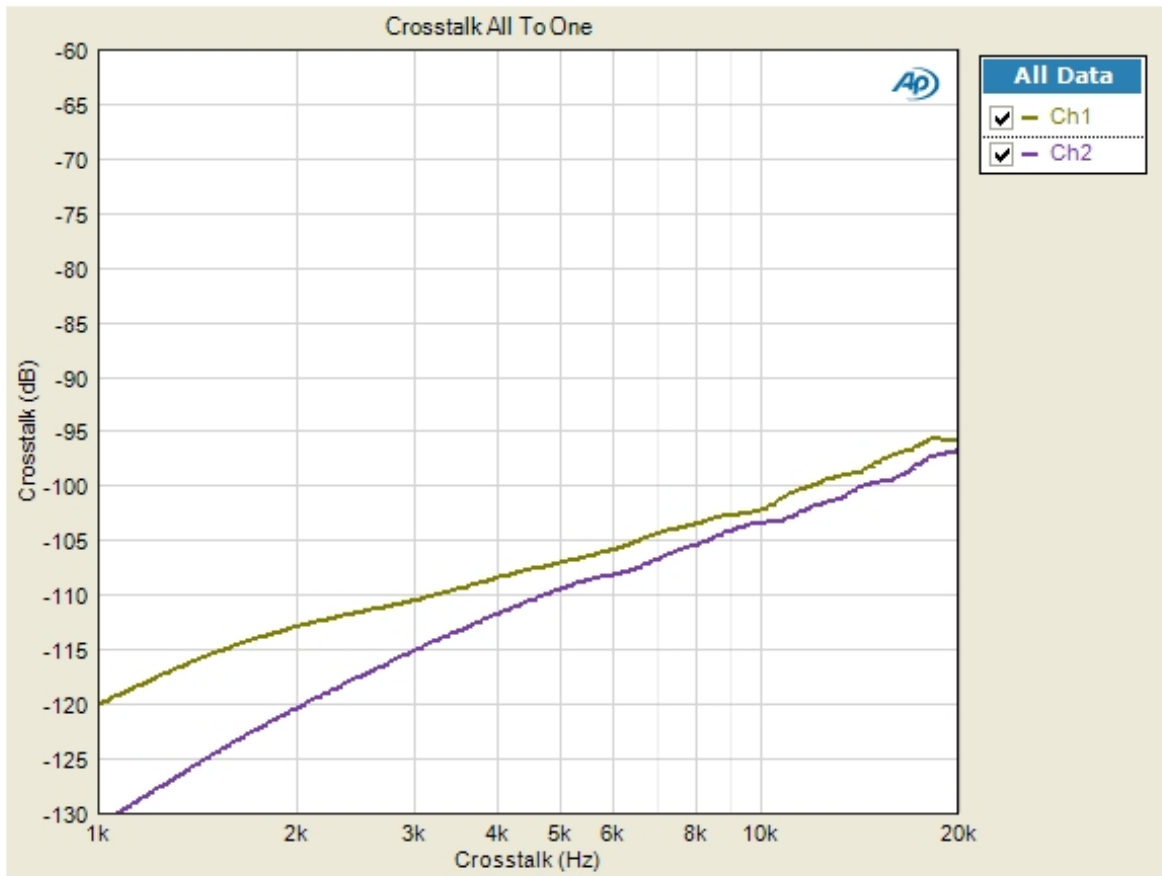


Ch1 PASSED

Ch2 PASSED

Result: PASSED

Crosstalk All To One



Signal Path1 : Interchannel Phase

Waveform: Sine
 Generator Level: 135.0 mVrms
 Frequency: 20.0000 kHz
 Reference Channel: Ch1
 Meter Range: -180 -> 180 deg

Interchannel Phase

Channel	Lower Limit	Value	Upper Limit	
Ch1	-0.300 deg	---deg	+0.300 deg	✔
Ch2	-0.300 deg	+0.012 deg	+0.300 deg	✔
Result:		✔ PASSED		

Signal Path1 : DC Level

Delay Time: 100.0 ms

DC Level

Channel	Lower Limit	Value	Upper Limit	
Ch1	-35.00 mV	-10.44 mV	+35.00 mV	
Ch2	-35.00 mV	-11.62 mV	+35.00 mV	
Result:		 PASSED		

Signal Path1 : Stepped Level Sweep

Waveform: Sine
Frequency: 1.00000 kHz
Start Level: 43.00 mVrms
Stop Level: 1.185 Vrms
Step Type: Logarithmic
Number of Points: 70
Low-pass Filter: 20 kHz
THD+N Filter: 20 Hz highpass

THD+N Ratio vs Measured Level

