Project - APx500 v6.0.2

File View Measurements Project Help

Audible Monitor OFF

Bench Mode

Signal Path Setup

Output Configuration

Connector: Digital Unbalanced

Channels: 2

Sample Rate: 48.0000 kHz

Input Configuration

Input 1 | Input 2

Loopback

Connector: Analog Balanced

Channels: 2 Acoustic

Set dBSPL...

Calibrate from TEDS..

Termination: 200 kohm

Use High Performance Sine Analyzer

Input Range...

• Filters

High-pass: AC (<10 Hz)

Low-pass: ADC passband

Bandwidth: 20 kHz (44.1 kHz SR)

Weighting: None

EQ: None

• Device Under Test

DUT Delay: 0.000 s

References

Switchers

DCX

Clocks

Triggers

Generator

ON Auto On

Waveform: Sine

Levels Track Ch1

	Level	DC Offset
Ch1:	-0.000 dBFS	0.000 D

Frequency: 1.00000 kHz

Channels: 1 2

Analyzer

• Settled Readings

Settings...

• THD+N

Notch Tuning: Generator Frequency

Weighting: A-wt.

• Bandpass Filter

Selectivity: 1/3 octave

Tune Mode: Generator Frequency

• Reference Channel

Channel: Ch1

• IMD

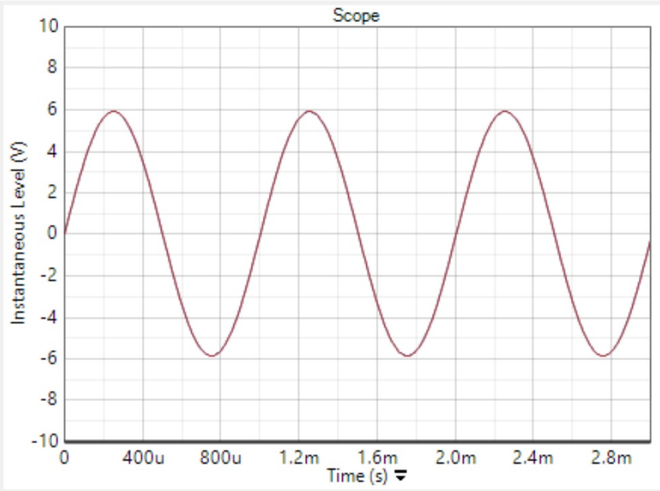
Type: SMPTE/DIN

Measurements

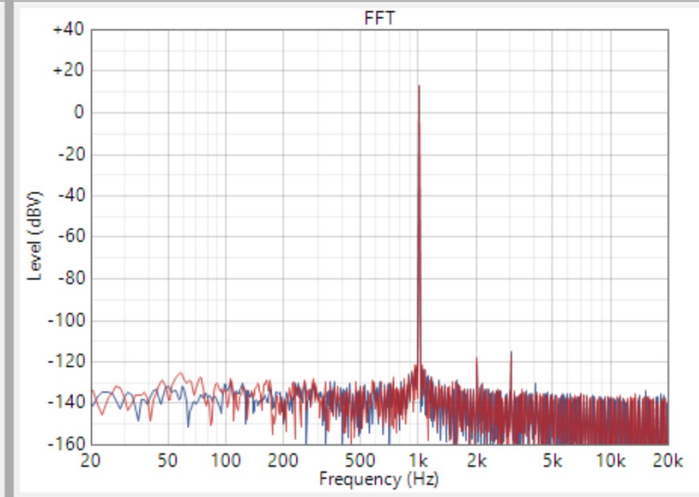
Monitors/Meters | Sweep | FFT | Recorder | Continuous Sweep | Acoustic Response

ON

Scope X: s Y: V



FFT X: Hz Y: dBV



Add Meter | Save Meter Data | Regulate

RMS Level Vrms

Ch1	4.142 Vrms
Ch2	4.147 Vrms

THD+N Ratio %

Ch1	0.000122 %
Ch2	0.000123 %

Frequency Hz

Ch1	1.00000 kHz
Ch2	1.00000 kHz

SINAD dB

Ch1	118.298 dB
Ch2	118.205 dB

Output: Digital Unbalanced 48.0000 kHz Input 1: Analog Balanced 2 Ch, 200 kohm 5.000 Vrms AC (<10 Hz) - 20 kHz Input 2: None

Project - APx500 v6.0.2

File View Measurements Project Help

Audible Monitor OFF

Bench Mode

Signal Path Setup

Output Configuration

Connector: Digital Unbalanced

Channels: 2

Sample Rate: 48.0000 kHz

Input Configuration

Input 1 | Input 2

Loopback

Connector: Analog Balanced

Channels: 2 Acoustic

Set dBSPL...

Calibrate from TEDS..

Termination: 200 kohm

Use High Performance Sine Analyzer

Input Range...

• Filters

High-pass: AC (<10 Hz)

Low-pass: ADC passband

Bandwidth: 90k (192 kHz SR)

Weighting: None

EQ: None

• Device Under Test

DUT Delay: 0.000 s

References

Switchers

DCX

Clocks

Triggers

Generator

ON Auto On

Waveform: Sine

Levels Track Ch1

	Level	DC Offset
Ch1:	-0.000 dBFS	0.000 D

Frequency: 10.0000 kHz

Channels: 1 2

Analyzer

• Settled Readings

Settings...

• THD+N

Notch Tuning: Generator Frequency

Weighting: A-wt.

• Bandpass Filter

Selectivity: 1/3 octave

Tune Mode: Generator Frequency

• Reference Channel

Channel: Ch1

• IMD

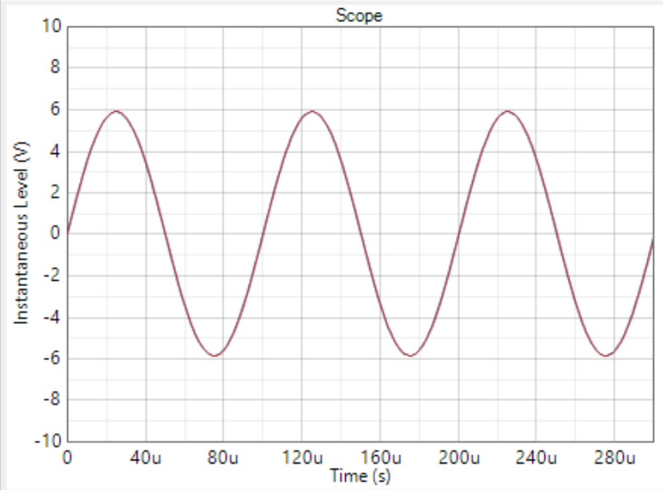
Type: SMPTE/DIN

Measurements

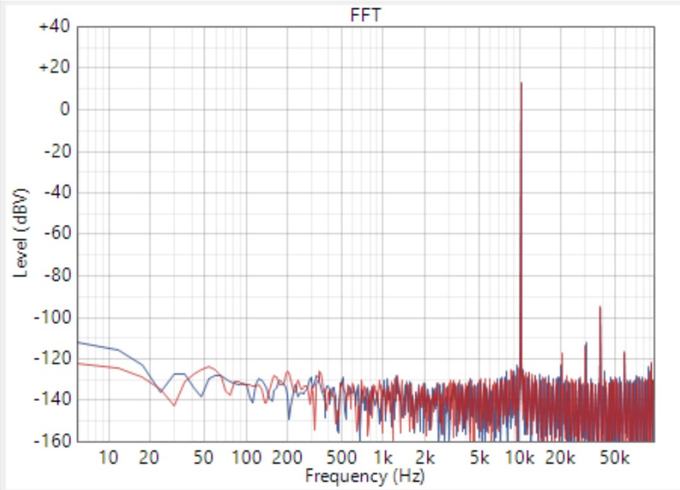
Monitors/Meters | Sweep | FFT | Recorder | Continuous Sweep | Acoustic Response

ON

Scope X: s Y: V



FFT X: Hz Y: dBV



Add Meter | Save Meter Data | Regulate

RMS Level (Vrms)		THD+N Ratio (%)	
Ch1	4.136 Vrms	Ch1	0.000100 %
Ch2	4.141 Vrms	Ch2	0.000102 %

Frequency (Hz)		SINAD (dB)	
Ch1	10.0000 kHz	Ch1	120.020 dB
Ch2	10.0000 kHz	Ch2	119.853 dB

Output: Digital Unbalanced 48.0000 kHz Input 1: Analog Balanced 2 Ch, 200 kohm 5.000 Vrms AC (<10 Hz) - 90 kHz Input 2: None

Project - APx500 v6.0.2

File View Measurements Project Help

Audible Monitor OFF

Bench Mode

Signal Path Setup

Output Configuration

Connector: Digital Unbalanced

Channels: 2

Sample Rate: 48.0000 kHz

Input Configuration

Input 1 | Input 2

Loopback

Connector: Analog Balanced

Channels: 2 Acoustic

Set dBSPL...

Calibrate from TEDS..

Termination: 200 kohm

Use High Performance Sine Analyzer

Input Range...

• Filters

High-pass: AC (<10 Hz)

Low-pass: ADC passband

Bandwidth: 250k (624 kHz SR)

Weighting: None

EQ: None

• Device Under Test

DUT Delay: 0.000 s

References

Switchers

DCX

Clocks

Triggers

Generator

ON Auto On

Waveform: Sine

Levels Track Ch1

	Level	DC Offset
Ch1:	-0.000 dBFS	0.000 D

Frequency: 20.0000 kHz

Channels: 1 2

Analyzer

• Settled Readings

Settings...

• THD+N

Notch Tuning: Generator Frequency

Weighting: A-wt.

• Bandpass Filter

Selectivity: 1/3 octave

Tune Mode: Generator Frequency

• Reference Channel

Channel: Ch1

• IMD

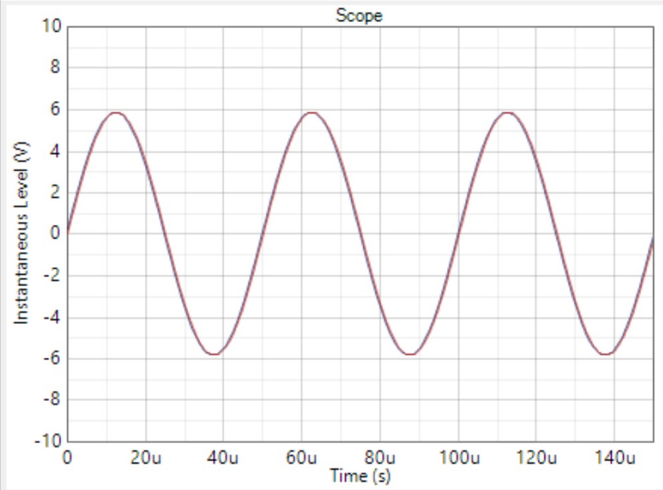
Type: SMPTE/DIN

Measurements

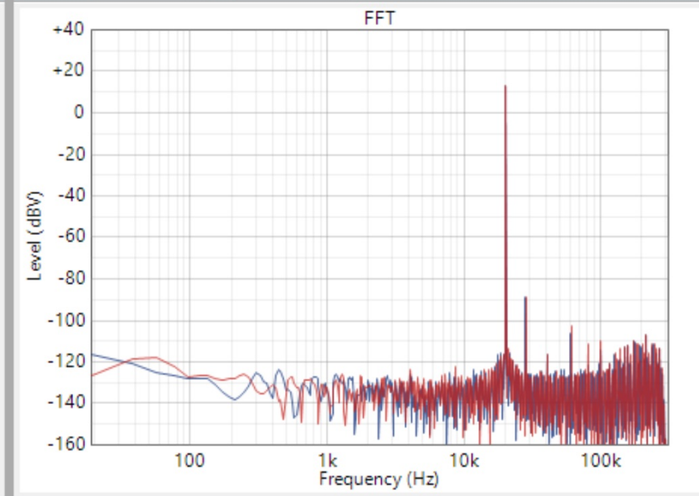
Monitors/Meters | Sweep | FFT | Recorder | Continuous Sweep | Acoustic Response

ON

Scope X: s Y: V



FFT X: Hz Y: dBV



Add Meter | Save Meter Data | Regulate

RMS Level Vrms

Ch1	4.119 Vrms
Ch2	4.125 Vrms

THD+N Ratio %

Ch1	0.000126 %
Ch2	0.000127 %

Frequency Hz

Ch1	20.0000 kHz
Ch2	20.0000 kHz

SINAD dB

Ch1	118.004 dB
Ch2	117.958 dB

Output: Digital Unbalanced 48.0000 kHz Input 1: Analog Balanced 2 Ch, 200 kohm 5.000 Vrms AC (<10 Hz) - 250 kHz Input 2: None