PDF Progress Test Report

Technician:	Test User
Test Date:	2026-01-04 10:32:46
Equipment:	Test Equipment

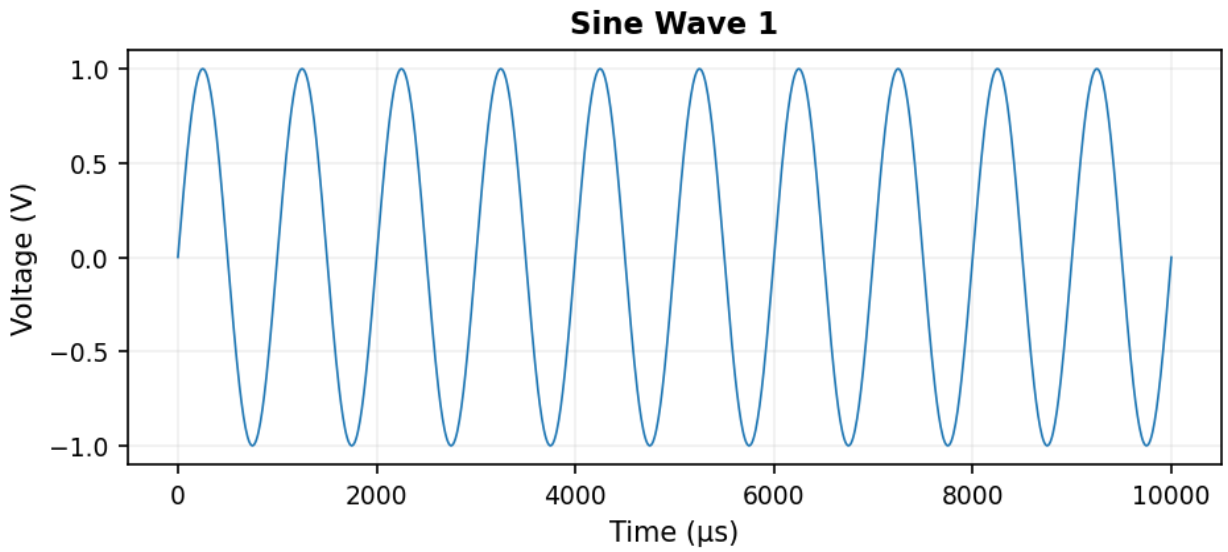
Overall Result: INCONCLUSIVE

Sine Wave Signals

This section contains sine waves to test signal type detection.

Waveforms

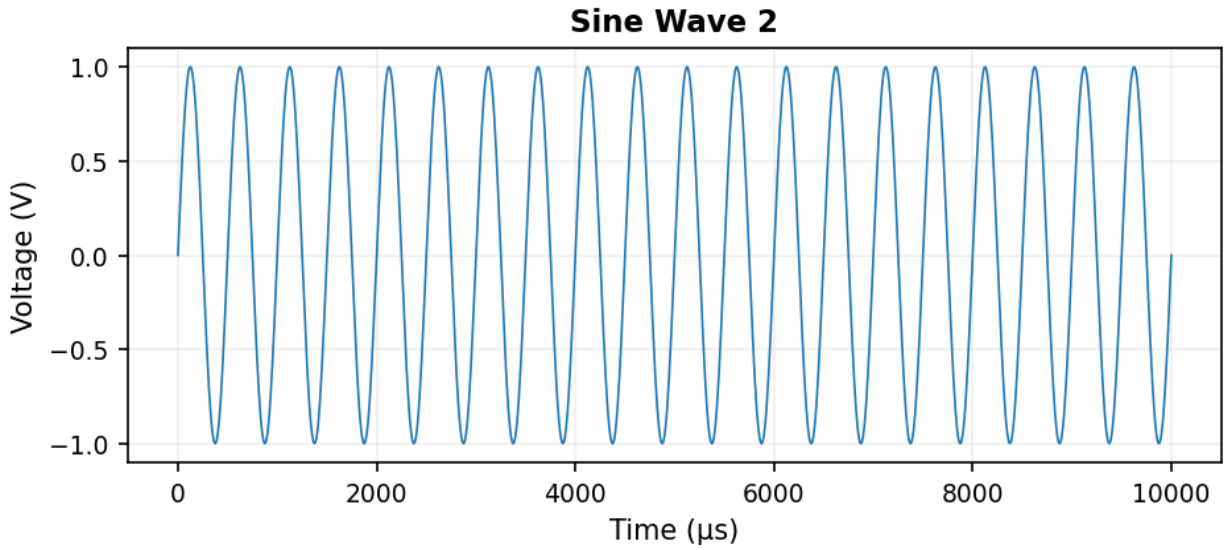
Waveform 1: Sine Wave 1



Channel:	Sine Wave 1
Sample Rate:	0.10 MS/s
Record Length:	1000 samples
Peak-to-Peak:	2.0000 V
Min:	-1.0000 V
Max:	1.0000 V

Statistic	Value
Signal Type:	Sine (95.0 %)
Frequency:	1.000 kHz
Period:	1.000 ms
Vmax:	1000.00 mV
Vmin:	-1000.00 mV
Vpp:	2.000 V
Vmean:	-0.00 µV
Vrms:	706.75 mV
Vamp:	0.00 µV
DC Offset:	-0.00 µV
Rise Time:	300.300 µs
Fall Time:	300.300 µs
Duty Cycle:	0.00 %
Noise Level:	706.75 mV
SNR:	3.01 dB
THD:	0.18 %
Overshoot:	2.80 %
Undershoot:	2.80 %
Jitter:	0.00 ns
Plateau Stability:	124.47 mV
High Plateau Noise:	124.47 mV
Low Plateau Noise:	124.47 mV

Waveform 2: Sine Wave 2



Channel: Sine Wave 2

Sample Rate: 0.10 MS/s

Record Length: 1000 samples

Peak-to-Peak: 2.0000 V

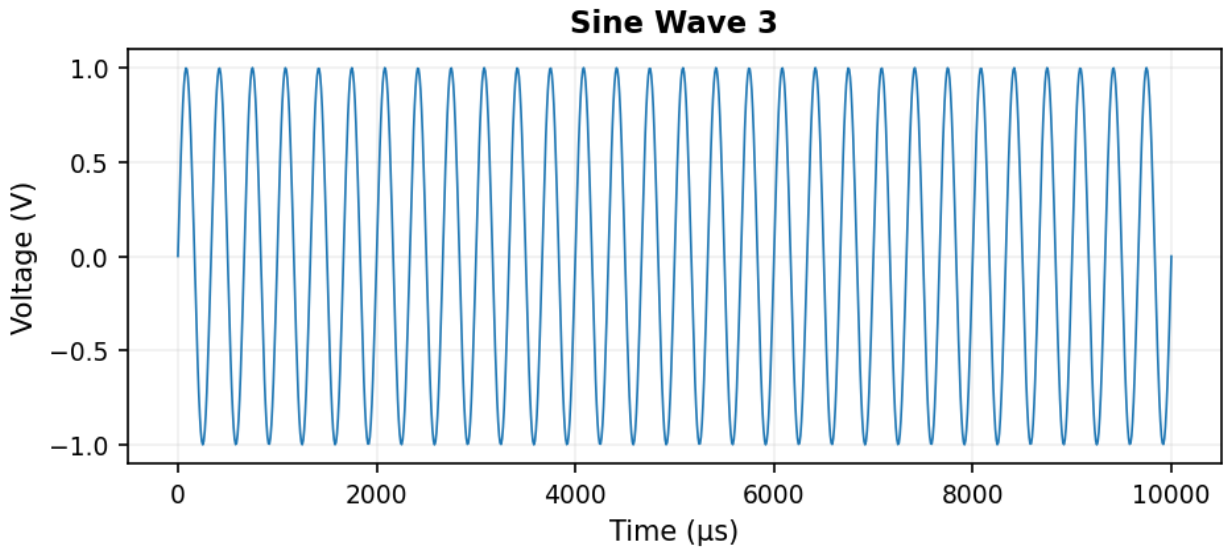
Min: -1.0000 V

Max: 1.0000 V

Statistic	Value
Signal Type:	Sine (95.0 %)
Frequency:	2.000 kHz
Period:	500.000 µs
Vmax:	1000.00 mV
Vmin:	-1000.00 mV
Vpp:	2.000 V
Vmean:	0.00 µV
Vrms:	706.75 mV
Vamp:	0.00 µV
DC Offset:	0.00 µV
Rise Time:	160.160 µs
Fall Time:	160.160 µs
Duty Cycle:	0.00 %

Noise Level:	706.75 mV
SNR:	3.01 dB
THD:	0.18 %
Overshoot:	2.80 %
Undershoot:	2.80 %
Jitter:	0.00 ns
Plateau Stability:	124.47 mV
High Plateau Noise:	124.47 mV
Low Plateau Noise:	124.47 mV

Waveform 3: Sine Wave 3



Channel: Sine Wave 3

Sample Rate: 0.10 MS/s

Record Length: 1000 samples

Peak-to-Peak: 2.0000 V

Min: -1.0000 V

Max: 1.0000 V

Statistic	Value
Signal Type:	Sine (95.0 %)
Frequency:	3.000 kHz
Period:	333.333 µs

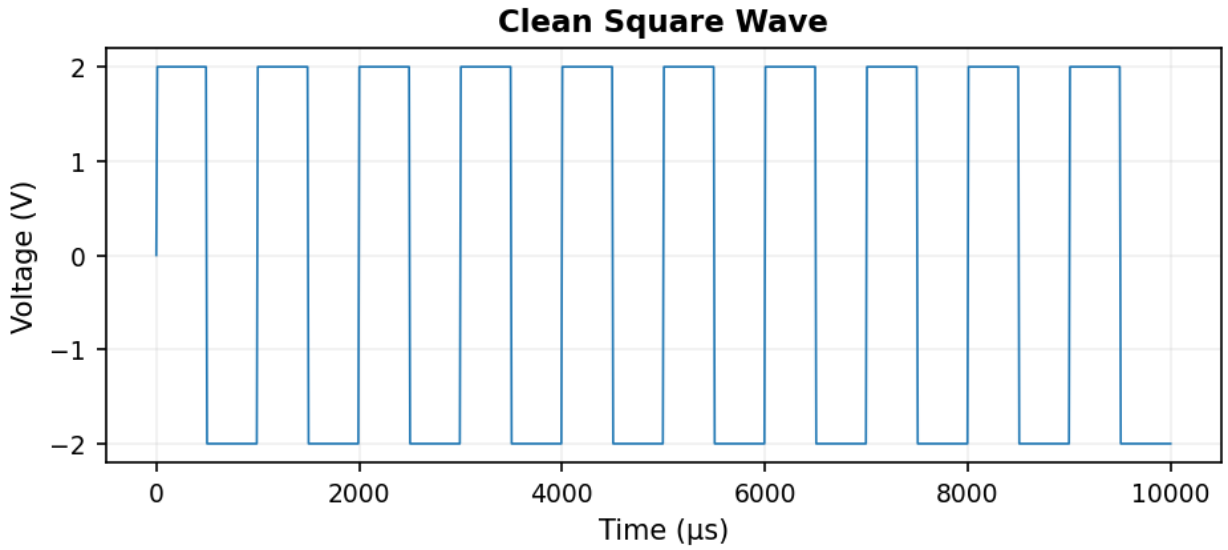
Vmax:	999.99 mV
Vmin:	-999.99 mV
Vpp:	2.000 V
Vmean:	0.00 µV
Vrms:	706.75 mV
Vamp:	-0.00 µV
DC Offset:	0.00 µV
Rise Time:	110.110 µs
Fall Time:	110.110 µs
Duty Cycle:	0.00 %
Noise Level:	706.75 mV
SNR:	3.01 dB
THD:	0.18 %
Overshoot:	2.79 %
Undershoot:	2.79 %
Jitter:	4.474 µs
Plateau Stability:	124.29 mV
High Plateau Noise:	123.93 mV
Low Plateau Noise:	124.65 mV

Square Wave Signals (Plateau Stability Test)

This section contains square waves with varying noise levels to test plateau stability analysis.

Waveforms

Waveform 1: Clean Square Wave



Channel: Clean Square Wave

Sample Rate: 0.10 MS/s

Record Length: 1000 samples

Peak-to-Peak: 4.0000 V

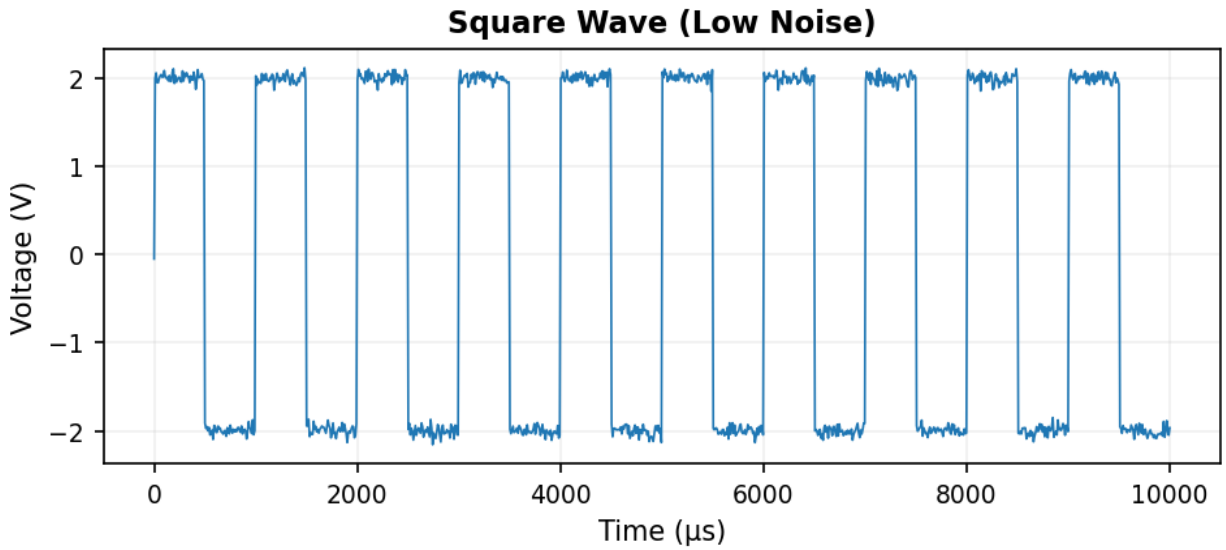
Min: -2.0000 V

Max: 2.0000 V

Statistic	Value
Signal Type:	Square (90.0 %)
Frequency:	1.000 kHz
Period:	1.000 ms
Vmax:	2.000 V
Vmin:	-2.000 V
Vpp:	4.000 V
Vmean:	-2.00 mV
Vrms:	1.999 V
Vamp:	0.00 µV
DC Offset:	-2.00 mV
Rise Time:	10.010 µs
Fall Time:	10.010 µs
Duty Cycle:	0.00 %

Noise Level:	1.999 V
SNR:	0.00 dB
THD:	42.99 %
Overshoot:	0.00 %
Undershoot:	0.00 %
Jitter:	0.00 ns
Plateau Stability:	0.00 µV
High Plateau Noise:	0.00 µV
Low Plateau Noise:	0.00 µV

Waveform 2: Square Wave (Low Noise)



Channel: Square Wave (Low Noise)

Sample Rate: 0.10 MS/s

Record Length: 1000 samples

Peak-to-Peak: 4.2690 V

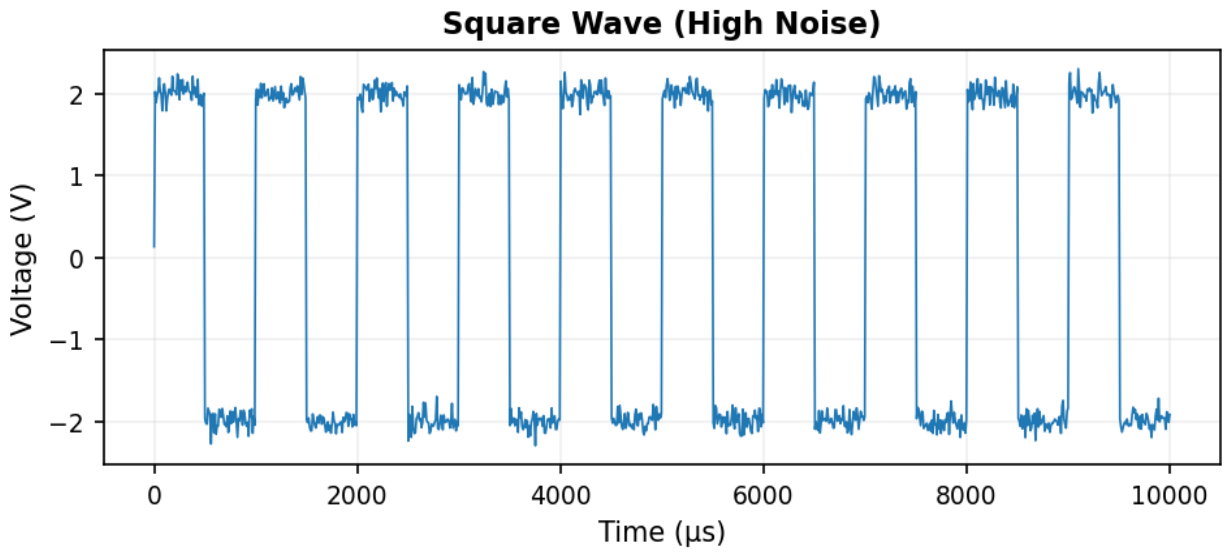
Min: -2.1556 V

Max: 2.1134 V

Statistic	Value
Signal Type:	Square (90.0 %)
Frequency:	1.000 kHz
Period:	1.000 ms

Vmax:	2.113 V
Vmin:	-2.156 V
Vpp:	4.269 V
Vmean:	-1.33 mV
Vrms:	1.999 V
Vamp:	-21.12 mV
DC Offset:	-1.33 mV
Rise Time:	10.010 µs
Fall Time:	10.010 µs
Pulse Width:	490.490 µs
Duty Cycle:	49.49 %
Noise Level:	1.999 V
SNR:	0.57 dB
THD:	43.04 %
Overshoot:	1.67 %
Undershoot:	2.84 %
Jitter:	3.146 µs
Plateau Stability:	49.55 mV
High Plateau Noise:	49.93 mV
Low Plateau Noise:	49.17 mV

Waveform 3: Square Wave (High Noise)



Channel: Square Wave (High Noise)

Sample Rate: 0.10 MS/s

Record Length: 1000 samples

Peak-to-Peak: 4.5984 V

Min: -2.2962 V

Max: 2.3022 V

Statistic	Value
Signal Type:	Square (90.0 %)
Frequency:	1.000 kHz
Period:	1.000 ms
Vmax:	2.302 V
Vmin:	-2.296 V
Vpp:	4.598 V
Vmean:	-139.72 µV
Vrms:	2.000 V
Vamp:	3.00 mV
DC Offset:	-139.72 µV
Rise Time:	10.010 µs
Fall Time:	10.010 µs
Duty Cycle:	0.00 %

Noise Level:	2.000 V
SNR:	1.21 dB
THD:	42.49 %
Overshoot:	5.34 %
Undershoot:	5.32 %
Jitter:	0.00 ns
Plateau Stability:	94.86 mV
High Plateau Noise:	96.65 mV
Low Plateau Noise:	93.07 mV

Report generated on 2026-01-04 at 10:32:46