Test Form LHR: Test Fixture - Software Test Tool Accuracy Test

990-03849-00
Rev 1

Date / Time:	June 7 2019 13:51

Test Procedure Steps:

1) **Utilize a 8Hz, 250 uV Signal Generator Test Fixture to produce calibrated output values (32 channels_.**
    a) **Connect the Signal Generator Test Fixture with a Bioamp**
    b) **Connect the Bioamp to the Visualizer system running the Collect Software System**
    c) **Generate an output file for testing with the Software Test Tool** M20-Test-8-1-fail.csv
2) **Utilize a 4Hz, 107 uV Signal Generator Test Fixture to produce calibrated output values.**
    a) **Connect the Signal Generator Test Fixture with a Bioamp**
    b) **Connect the Bioamp to the Visualizer system running the Collect Software System**
    c) **Generate an output file for testing with the Software Test Tool** M20-Test-4-1-fail.csv
3) **Utilize a 4Hz, 250 uV Signal Generator Test Fixture to produce calibrated output values.**
    a) **Connect the Signal Generator Test Fixture with a Bioamp**
    b) **Connect the Bioamp to the Visualizer system running the Collect Software System**
4) **Generate an output file for testing with the Software Test Tool** M20-Test-4-1-pass.csv
    a) **Copy output files to the Software Test Laptop to a predetermined directory.**
5) **Execute the Software Test Tool using the Output test files**
    a) **Execute the Software Test Tool - accuracy test for each test file via command line execution.**
        i) **Utilizes software configuration file for the execution of the software Test Tool for the Accuracy Test - 32_channels_test.config**
    b) **As specified in Fig.1 - Software Test Tool Summary Setup**
        i) **Enter path for each Input path in software Test Tool command Line.**
            (1) **Test Case 1: 8Hz, 250 uV**
            (2) **Test Case 2: 4Hz, 107 uV**
            (3) **Test Case 3: 4Hz, 250 uV**
        ii) **Execute Test for each Test Case**
            (1) **Test Case 1: PASS**
            (2) **Test Case 2: FAIL**
            (3) **Test Case 3: FAIL**
    c) **Entry of Expected / Unexpected PASS/FAIL results**
        i) **Software Test Tool produces output .LOG for each Test Case Execution.**

Fig 1. Software Test Tool Summary Setup

Software Test Tool Configuration File Setup	32 channels @ 4hz, 250uV
Test Case 1:	All 32 channels at 4Hz, 250uV square wave
• Input File	M20-Test-4-1-pass.csv
• Expected Results	All Test Results Pass

Test Case 2:	All 32 channels at 8Hz, 250uV square wave
• Input File	M20-Test-8-1-fail.csv
• Expected Results	All Test Results Fail (all 32 channels)
Test Case 3:	All 32 channels at 4Hz, 107uV square wave
• Input File	M20-Test-12-1-fail.csv
• Expected Results	All Test Results Fail (all 32 channels)

Test Equipment

SW Version:	1.0.11

Test Case 1:

32 channel test at 4Hz / 250uV square wave

Test Equipment

Test ID:	809586

Test Results:

Channel Test Results (PASS/FAIL)	pass	**Overall Test Results (PASS/FAIL)**	pass

Test Result .log file	None-2019-06-07T20-52-28.809586.log
Issues Desc	NA

Test Case 1 - Test Result details

See the log file for channel test results.

Test Case 2:

32 channel test at 3Hz / 250uV square wave

Test Equipment

Test ID:	793301

Test Results:

Channel Test Results (PASS/FAIL)	fail	**Overall Test Results (PASS/FAIL)**	fail

Test Result .log file	None-2019-06-07T20-52-55.793301.log
Issues Desc	NA

Test Case 2 - Test Result details

See the log file for channel test results.

Test Case 3:

32 channel test at 4Hz / 107uV square wave

Test Equipment

Test ID:	256207

Test Results:

Channel Test Results (PASS/FAIL)	fail	**Overall Test Results (PASS/FAIL)**	fail

Test Result .log file	None-2019-06-07T20-53-10.256207.log
Issues Desc	NA

Test Case 3 - Test Result details

See the log file for channel test results.

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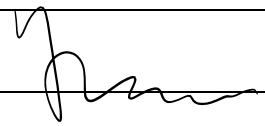
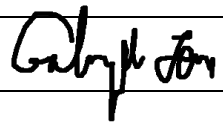
Operator:

Name:	Yvonne Yip	**Role:**	Quality Assurance Tester
Signature:		**Date:**	6/7/19

Reviewer:

Name:	Gabriella Levine	**Role:**	Quality Assurance Reviewer
Signature:		**Date:**	6/20/2019

Revision History		
Rev	**Description Of Change**	**Effective Date**
1	Initial Release	6/7/2019