

New Software Version Release Announcement for GRL-WP-QI-C3-Browser App

Feb 3 2022

Granite River Labs announces the release of GRL WP QI C3 Tester and Analyzer with enhancements and important updates.

Software Version number: 1.2.1.11

Release Date: 03 Feb 2022

Firmware: 1.0.1.68

Updates:

1. Fixed Qf values for 5.4.1 and 1.2.4 FOD test cases.

Software Version number: 1.2.1.10

Release Date: 31 January 2022

Firmware: 1.0.1.68

Updates:

1. Updated RPP fixes for FOD test cases.

Software Version number: 1.2.1.9

Release Date: 28 January 2022

Firmware: 1.0.1.68

Updates:

2. Updated RPP fixes for FOD test cases.

Software Version number: 1.2.1.8

Release Date: 25 January 2022

Firmware: 1.0.1.68

Updates:

1. Implemented Samsung FWC 2.0 Test cases.

Bug Fixes:

1. SP-I1737 : Authentication: payload of the assertion is not matching with Authentication status values
2. SP-I1748 : 1.3 Automation Mode : Typo error in Test Results
3. SP-I1753 : 1.3 Automation mode : 6.2.2, 6.2.3: Even though Voltage is regulated to 7V initially we are validating as voltage is not regulated
4. SP-I1756 : 1.3 Automation mode: 8.2.1 : Fail case is considered as Inconclusive
5. SP-I1755 : 1.3 Automation mode: 8.4.14 : Test should be Inconclusive if No digital Ping is observed
6. SP-I1757 : 1.3 Automation mode: 8.4.2 : Even though BSUT did not enter into Power transfer phase we are making the check as pass
7. SP-I1758 : 1.3 Automation Mode : Validation Issue

8. SP-I1659 : 5.4.1 23D EPP- Automation mode- Tester not initiated Teststop message and Add Monitor power signal for 120S.
9. SP-I1743 : Samsung PPDE_V1.1: FOD tests : Test case is stopping suddenly and making sub test case inconclusive even though temperature is within limits
10. SP-I1763 : 1.2.4 &1.3 Automation mode: For EPP GPT tests, result is validated as inconclusive
11. SP-I1765 : 1.3Automation mode : For FOD tests, Temperature is not showing if test stops due to high temperature
12. SP-I1767 : 1.3 Automation mode: Test should be Inconclusive if No digital Ping is observed
13. SP-I1766 : FOD Qf should be independent of "Fetch coil Q button" for automation tests
14. SP-I1769 : popup for 1.5mm spacer came for FO test cases
15. SP-I1770 : coil displayed wrongly in FOD Test Execution Tab
16. SP-I1764 : FOD tests : If no coil is placed during test execution test should be Inconclusive

Software Version number: 1.2.1.6

Release Date: 18 January 2022

Firmware: 1.0.1.67

Updates:

1. Samsung FWC2.0 TC Implemented
 - a. Test#8: Power Check: TX-POW-CTRL.TC1
 - b. Test#9: Power Check: TX-POW-CTRL.TC2
 - c. Test#10: Authentication sequence Check: PP-TX-AUTH-FLOW
 - d. Test#12: ADC Data Packets Check: PP-TX-AUTH-ADC

Software Version number: 1.2.1.5

Release Date: 13 January 2022

Firmware: 1.0.1.66

Updates:

1. Samsung FWC2.0 TC Implemented
 - a. Test#1: PPID.TX.TC1
 - b. Test#2: PPSET.TX.TC1
 - c. Test#4: Error Check: TX OTP.TC2
 - d. Test#5: LED Check: TX Top OFF.TC1
 - e. Test#6: LED Check: TX Error mode.TC1

Software Version number: 1.2.1.4

Release Date: 05 January 2022

Firmware: 1.0.1.64

Updates:

1. Implemented Samsung FWC 2.0 - 7 Test cases.
 - a. PPID.TX.TC1

- b. PPSET.TX.TC1
- c. Error Check: TX EPT.TC2
- d. Error Check: TX OCP.TC3
- e. Error Check: TX OVP.TC4
- f. Error Check: TX OTP.TC5
- g. Error Check: TX watchdog.TC6

Software Version number: 1.2.1.3

Release Date: 05 January 2022

Firmware: 1.0.1.63

Updates:

- 2. Implemented Samsung FWC 2.0 - 3 Test cases

Software Version number: 1.2.1.2

Release Date: 04 January 2022

Firmware: 1.0.1.63

Updates:

- 1. Implemented NFC test cases [Beta version]
- 2. Implemented Samsung FWC 2.0 test cases 1, 2 and 4[Beta Version]
- 3. Integrated FWC 1.0 - Frequency modulation test case.

Bug Fixes:

- 1. SP-I1735 Samsung PPDE: FOD tests : Insert FOD along with coil pop-up should appear in middle of test as per Step 11
- 2. SP-I1733 1.3 Custom mode : FOD/ rf value should be 92 instead of 91 for 1F coil configurations
- 3. SP-I1726 1.3 Custom mode: default TPR5/6 test and 6.2.13: We are sending 84.8ohms set_load assertion even though for TPR5/6 initial load is 100ohms
- 4. SP-I1725 1.3 Custom mode: Remove 84.8ohms load from drop-down for TPR5/6 coil configurations
- 5. SP-I1723 1.3 Custom mode: In TPR configuration section, need to modify some changes
- 6. SP-I1721 1.3 automation mode: Change description for 8.4.48 test case
- 7. SP-I1714 Typo-error is observed instruction manual
- 8. SP-I1707 1.3 Automation: For critic test cases, max retries should be 10 instead of 50
- 9. SP-I1705 1.3 Custom mode: packets are not sending within t_wake time, if we reconnect the c3
- 10. SP-I1685 1.3 Automation: 8.1.6_4 testcase timing b/w CFG to EPt/null is exceeded.
- 11. SP-I1683 1.3 automation: 8.4.40 test case observed protocol issue
- 12. SP-I1670 Samsung PPDE : Frequency modulation-PP.TX.COM.MOD - Scope related popup is not showing
- 13. SP-I1659 5.4.1 23D EPP- Automation mode- Tester not initiated Teststop message and Add Monitor power signal for 120S.

14. SP-I1632 Samsung PPDE : TD_5_2_PP_TX_PT_PCONTROL_TC2 - Validation is wrong
15. SP-I1625 8.2.2 series test case: mismatch of results in Automation and Custom mode
16. SP-I446 6.2.18 : need to come full load to no load in 1ms
17. SP-I1712 Updates for 8.4.44 : TestStop need to be sent based on Test Pass Criteria
18. SP-I1728 6.2.21: software is validating as pass by measuring Voltage after 1S of 2.4ohms , eventhough DUT is detached immediately after 2.4k is applied

Software Version number: 1.2.1.1

Release Date: 15 December 2021

Firmware: 1.0.1.61

Updates:

1. Added Authentication page.
2. Implemented coil detection feature in exerciser mode.
3. Updated PDF and JSON reports based on WPC's Standard report format 1.0 version
4. Added SS max checks for 1.3 Test cases
5. Updated 1.3 test cases Pass/Fail/ Inconclusive based on Nok9's 1.3

Bug Fixes:

1. SP-I1702: 1.3 CRITIC : 10.1.10_ Text need to be modified in Pop-up
2. SP-I1696: 8.4.25 - Customer: Making test as inconclusive eventhough Rp packet seen in the protocol
3. SP-I1695: Authentication: 9.2.3 - Add the sw validation check for slot populated mask separately
4. SP-I1694: In test configuration panel : The Transmitter type is not highlighted, when searched.
5. SP-I1691: 1.3 Automation mode: 10.1.3 to 10.1.6 : Validation mismatches observed for same failure
6. SP-I1682: 1.3 Automation: 10.2.2 25d testcase- Temperature increases more than 100C but test is not force stopping.
7. SP-I1681: 1.3 Automation mode: 8.2.15 decription is not proper.
8. SP-I1680: 1.3 Automation mode : description is not proper for 8.1.5 test case
9. SP-I1678: 1.2.4 PDF report and Json report issues need to be fixed.
10. SP-I1677: 1.2.4 PDF report: counts are not updated properly
11. SP-I1675: 8.1.4: Test should be fail instead of Inconclusive if BSUT not entered into ID-CFG phase
12. SP-I1673: 1.3 Automation Mode: CFG phase tests : If after illegal packet next sequence of data packets is initiated then Test should be fail instead of Inconclusive
13. SP-I1667: 1.3 Automation mode: 10.1.4, 10.1.6 : Place/ Remove Coil pop-up is not shown while running the tests
14. SP-I1628: Samsung PPDE : In POPUP TPR5 is mentioned instead of MP1A.
15. SP-I1406: Requirement - UI : Custom mode : There is no limits/range for the UI controls

16. SP-I1265: 8.3.3, 8.3.5_001, 003: Test should Pass even if DUT detached after EPT/illegal Packet inserted Packet
17. SP-T1794: Port Authentication app to C3 Main application
18. SP-I1799: Requirement: SS Value checks need to be added in 1.3 test case validation

Known Issues:

1. Seen issues in Auto coil detection and give inputs to FW/SW team.
2. Right now, user was allowed to update only. pem root certificate in optional loading feature.
- 3.

Software Version number: 1.2.0.93 /1.2.1.0 (Web Release)

Release Date: 24 November 2021

Firmware: 1.0.1.61

Updates:

1. Updated API's with C# and python Documentation.
2. Added packet description in HTML page
3. Updated Samsung PPDE protocol as per FWC1.0 document i.e display in mA in behalf of Ohms etc.
4. Added Test results mapping Samsung FWC 1.0 PPDE test cases.
5. Added Test results mapping for 1.3 Ping, ID config, Neg, connected and disconnected loads.
6. Added Json reports for 1.3 Ping, ID config, Neg, connected and disconnected loads.
7. SP-T1761: Incorporate new Qf/Rf values in software, when user clicks on fetch coil it should work as expected while doing manual FOD testing.
8. SP-T1791: 1.3 Manual FOD: Auto Update DeltaQ, DeltaP, Coil type, and RF values based on selected test case
9. SO-T1789: Requirement: Add pop-ups for MP3 coil related test cases in manual mode

Bug Fixes:

1. SP-I1663: Auth: TD_9_2_7_TEST_PTX_APX_CHA_NDS_001 Test is terminated before finishing the test procedure
2. SP-I1661: Requirement: Include " Testcase requires both TPR#MP3 and 1.5mm spacer" in popups for all MP3 FOD Absent testcases.
3. SP-I1660: 1.3 Automation Mode: 6.2.16 Test Validating wrongly. for GPT tests SW is not considering CE Values in -1,0,1 range.
4. SP-I1658: 1.3 Automation Mode: Requirement - EPP FOD Tests in case of immediate shutdown shouldn't consider test procedure if it not mentioned in result criteria.
5. SP-I1654: 1.3 Automation: change pop up description for 10.2.6 and 10.2.7 test case
6. SP-I1653: 1.3 Automation mode: For MP3 coil related non-fod test case popup's are not displayed
7. SP-I1651: TD_6_1_PP_TX_PREF_FOD_PP_TC1e – Even though dut maintains in pt phase , validating like dut detached
8. SP-I1649: TD_6_1_PP_TX_PREF_FOD_PP_TC1a - Showing the load in ohms instead of mA and validation with respect to voltage is wrong.

9. SP-I1647: TD_5_2_PP_TX_PT_PC_TC1 - Validation checks need to be added
10. SP-I1643: Auth requirement: Update Test ID for 9.2.7 PTX.APX.CHA.NDS.001
11. SP-I1641: 1.3 custom mode: MP4 related test cases, full load is not changing when max load is changed
12. SP-I1640: Showing error after updating the FW
13. SP-I1635: Samsung PPDE : TD_5_2_PP_TX_PT_PCONTROL_TC1 - Validation is wrong
14. SP-I1633: Samsung PPDE : TD_5_2_PP_TX_PT_PT_TC1 - Validating like unable to measure fsk delay
15. 15.SP-I1632: Samsung PPDE : TD_5_2_PP_TX_PT_PCONTROL_TC2 - Validation is wrong
16. 16.SP-I1628: Samsung PPDE : In POPUP TPR5 is mentioned instead of MP1A.
17. 17.SP-I1610: 1.2.4 EPP: Requirement: 5.4.3.2: FOD tests: Test_stop message should come 10mins after BSUT establishes communication
18. 18.SP-I1584: 1.3: Automation Mode - 8.4.45_010 Test Tester not sending EPT/nr packet instead of every second CE packet.
19. 19.SP-I1577: 1.3 Exerciser Mode:8.3.3 Testcases-From second Sequence of packets ping detected message and Signal Strength packet is missing

Software Version number: 1.2.0.92

Release Date: 28 October 2021

Firmware: 1.0.1.60

Updates:

1. T1739 – Handled Parent->Child->Sub Child in packet decoding
2. T1773 – Updated GRL Logo in API Tool
3. T1712 –Fetch Coil Q should work for all EPP coils
4. T1746 - Handle QiLicense for Custom mode
5. T1742 - UI Requirement: Provide Editable text boxes for Get capabilities field
6. T1728 - Clear Filter for every new plot run
7. T1767 - Differentiate Inconclusive and Incomplete cases in UI
8. T1770 - Requirement : Keep full packet name in HTML report for negotiation Packets
9. Added Rectified Power in plot Markers
10. Updated Application Left Navigation icons

Bug Fixes:

1. I1634 - Samsung PPDE: TD_6_1_PP_TX_PREF_FOD_PP_TC1b initially 99ohms is applied instead of 50ohms
2. I1633 - Samsung PPDE : TD_5_2_PP_TX_PT_PT_TC1 - Validating like unable to measure fsk delay
3. I1627 - 1.3 Automation: Result should be validated as inconclusive instead of fail for 10.1.3 to 10.1.6 testcases
4. I1623 - Automation mode:5.4.1:MP.TX.PERF.POWGUARANT.15W.TC2 In test results Voltage Limits are mentioned wrongly.

5. I1620 - 1.2.4 EPP Automation mode: In 5356 Testcase, Test status & Status is not showing
6. I1619 - 1.3 Automation: Software is not validating properly for 10.1.8 test case
7. I1615 - API Tool : DUT is detached and Packets are not initiated after clicking Read Values button when BSUT is in Power transfer phase
8. I1614 - 1.3 Automation: In FOD test cases, for same Scenario, Software is validating two types of results
9. I1613 - 1.3 automation: 8.4.7 and 8.4.8 test case, software is validating wrongly.
10. I1611 - 1.3 Automation: Change Spec limit to 80C for TC6 and TC6a
11. I1610 - 1.2.4 EPP: Requirement: 5.4.3.2: FOD tests: Test_stop message should come 10mins after BSUT establishes communication
12. I1608 - MP2 coil should be replaced with MP4 coil in Optimum coil position dropdown
13. 1604 - 1.3 automation : For critic test cases, not able to find the critic ack
14. I1588 - UI: Place Coil / remove Coil notification pop-up takes more time to close
15. I1565 - 1.2.4 EPP custom mode: Reports are saving in the name of previous Test case
16. I1542 - 1.2.4 EPP Json Update : 5.3.4.5_TC5: FOD_status packet sent twice

Software Version number: 1.2.0.91

Release Date: 08 October 2021

Firmware: 1.0.1.59

Updates:

1. Fixed 1.2.4 BPP test #5 issue

Software Version number: 1.2.0.90

Release Date: 06 October 2021

Firmware: 1.0.1.59

Updates:

2. Disabled Over Voltage threshold trigger

Software Version number: 1.2.0.89

Release Date: 29 September 2021

Firmware: 1.0.1.58

Updates:

1. Implemented Samsung PPDE test cases.
2. Updated GRL Branded Logo/Icons.
3. Updated HTML Reports with GRL Colors.
4. Added Test case mapping for debug analysis (1.2.4)
5. Implemented JSON reports for 1.2.4
6. Signed exe with GRL this will eliminate unknown publisher issue.
7. Added E-Load Service if any downgrade or upgrade
8. SP-T1736: Implemented Auth Certificate decode byte by byte in ASN1 format
9. SP-T1748 : Updated New Transmitter Types as per 1.3 Spec

10. SP-T1753 :Added Safety Measures in case of FOD over temperatures.
11. SP-T1761 : Updated Qf/Rf new values.
12. SP-T1755 : Handled Installation mechanism while installing/uninstalling an exe if user opened application.

Bug Fixes:

1. SP-I1548 : 1.2.4 EPP Custom mode: Qf should be updated in mp3 coil tests as per automation tests
2. SP-I1560 : Neg phase: Send randomly selected Prop packets which are not declared in SDF
3. SP-I1556 : 1.3 Custom mode: Timings between Config packet and RP packet is incorrect
4. SP-I1555 : 1.3 Custom mode: 10.2.4 series. Full load is 9.6ohm irrespective of Max load selected
5. SP-I1563 : 1.2.4 EPP -5.3.4.5_TC5: Printing Reference quality factor value as -1 in test result description
6. SP-I1536 : 1.2.4 EPP- 5.4.2 Thermal 15W test : Even though DUT maintained in power transfer phase for 1 hr we are failing the test saying DUT not maintained for 1hr
7. SP-I1569 : Plot Window: If we Stop testcase inbetween the plot window will be loading for more then 5minutes.
8. SP-I1574 : 5.4.3.4_Absent_TC1a: Test case number displayed wrongly in result description
9. SP-I1568 : Test config Panel: Guaranteed power and Maximum power field input should be only 5W -15W
10. SP-I1571 : Change Mouse cursor to Busy Pointer if "Start Test Case" / "Get Optimum Position" got clicked
11. SP-I1526 : Typo Errors : Typo mistake for Proprietary packets in C3 trigger settings dropdown
12. SP-I1537 : Auth: Showing same bytes in Certificate packet when we do Read certificate (PTx)
13. SP-I1551 : 1.3: 5.2.2_Thermal_Performance of_15W Test Validating wrongly
14. SP-I1553 : 1.3: Automation Mode, 8.4.3_PTX.CPX.POW.S11.DTL.017 result updated as Fail instead of Inconclusive.
15. SP-I1562 : SW : Icons are not proper for authentication packets
16. SP-I1525 : 1.2.4 BPP Automation mode : 5.4.3.1- 25a3 : Temperature measurement Description is not clear in last load run result
17. SP-I1573 : FOD Setup diagram need to be changed
18. SP-I1576 : MP4 coil related testcases are not working as expected
19. SP-I1545 : 1.3 Custom mode: 8.4.10, Tester not sent RP0 packet.
20. SP-I1582 : 5.3.5.6: Change count in SRQ/en packet should be 3
21. SP-I1585 : 1.3 TC Json Update: 8.3.8_001 Test, second SRQ/rpr packet description header is configured as 0 instead 49.
22. SP-I1534 : Custom mode : MP1B and MP1C coil colors are interchanged
23. SP-I1542 : 1.2.4 EPP Json Update : 5.3.4.5_TC5: FOD_status packet sent twice

- 24. SP-T1752 : Requirement : Change the text as " Power-up the BSUT to stand-by operation at least 1 hour before the test run" instead of " Power-up the BSUT to stand-by operation at least 1 hour "
- 25. SP-T1741 : 1.3- Requirement: Need csv file for each test case which contains packet decoded details
- 26. SP-T1754 : Requirement : Plot Icons should be displayed every time
- 27. SP-T1737 : UI Updates for Report inputs
- 28. SP-T1751 : Requirement: Provide a Max limit for PRMC Code , Basic Device Identifier and other fields of FOD Test execution in Test config panel
- 29. SP-T1735 : Requirement: In C3 API Tool Manufacturer Code and Basic Device Identifier must be changed.

Software Version number: 1.2.0.88

Release Date: 20 August 2021

Firmware: 1.0.1.55

Bug Fixes:

- 1. I1523 - 1.2.4 BPP Custom mode: 23f : t_received was 5000ms instead of 2000ms in 1st run
- 2. I1517 - Custom mode: 8.3.5_15 - Continuous CFG/bp packet not initiated after 1S delay and detaching
- 3. I1514 - 1.3 custom mode: SRQ/GP values are reflecting wrongly in trace

Software Version number: 1.2.0.87

Release Date: 18 August 2021

Firmware: 1.0.1.55

Bug Fixes:

- 1. SP-I1487: 5.3.2.4 7b Testcase: In results instead of End power transfer packet it as mentioned Proprietary packet.
- 2. SP-I1484: 5.3.2.4 7c Testcase: In Results Instead of CE packet, Proprietary packet is mentioned.
- 3. SP-I1488: 1.3 Custom mode: for 1E coil testcase, pop up is showing as MP1B coil
- 4. SP-I1504: 1.2.4 EPP-Automation mode:541-MP.TX.PERF.POWGUARANT.15W.TC1: Rectified voltage measure not mentioned in results.
- 5. SP-I1495: 1.2.4 EPP:5.4.1-MP.TX.PERF.POWGUARANT.12W.TC1: Current steps updated as 4 instead of 10 in Test status.
- 6. SP-I1478: 1.3 Custom mode: 8.4.35 & 8.4.36 : Renegotiate packet is sent in PT phase
- 7. SP-I1498: 1.2.4 EPP:541-MP.TX.PERF.POWGUARANT.8W.TC1-Rectified voltage is not measured after last step load.
- 8. SP-I1501: 1.2.4 BPP:542 -DUT unable to maintain 1hour Even though testcase passed.
- 9. SP-I1492: 1.2.4 EPP:5.3.2.3-5(a) Coil type is not changing as per Potential power of DUT.
- 10. SP-I1508: 1.3 Custom mode: 8.4.5_6 testcase, observed payload is wrong for illegal cfg packet

11. SP-I1410: 1.3 Custom mode: 8.4.17 testcase json file is missing
12. SP-I949: Horizontal markers is not marking the exact packet position in Negotiation phase
13. SP-I891: Automation mode : Some times Report is not displaying automatically untill if we click view Report button
14. SP-I840: Custom mode:5335 -ACK packet mapping is not proper
15. SP-I1475: Plot: Timing should be updated as [m:s:ms:us] in Plot description
16. SP-I1507: 1.3 Custom mode: 8.4.5_18 test case, 8bit RP is initiated as illegal packet, instead of 16bit RP packet.
17. SP-I1499: 1.2.4 Custom mode: 5.4.2: Observe text : "Error in file saving " when we stop capture after 1hr
18. SP-I889: API Tool :Sometimes BSUT is not entering into the PT phase, while running GPT testcases
19. SP-I870: API Tool: DUT detaching immedietly ,not maintaining the PT Phase in 541-23a testcase
20. SP-T1715: Requirement : Add Debug logger file in manual FOD test report
21. SP-I1496: Custom mode: Temperature difference should be shown between FO temp and Ambient Temp
22. SP-I1490: 1.2.4EPP: 5.4.10 testcase, Test is executing multiple times
23. SP-I1479: UI: Mismatch in payload when we change the version.
24. SP-I1400: 1.3 Custom mode: 8.3.9_009 : Instead of Sending SRQ/prop packet after CFG/ep we are sending SRQ/en packet
25. SP-I1506: 1.3 : 8.4.46: Test cases are Inconclusive
26. SP-I897: Automation mode:while running 531 if we stop the test inbetween Report is not showing eventhough user clicks on view report
27. SP-I1513: 1.2.4 BPP: Exerciser mode: After Finishing 5321 , 5322 testcase if we run 541 testcase packets are not initiated
28. SP-I1493: Scope test Pop-up issue: Downloaded report name is printed in IP address text box pop-up
29. SP-I1428: Control error limits in TPR Coil Configuration not able to enter negative numbers
30. SP-I1448: IP address is floating on other panels
31. SP-I1516: 1.2.4 BPP: Even though DUT entered into Power transfer phase we are validating as not entered
32. SP-I1483: 1.2.4 BPP Custom mode: Test case file name saved wrongly
33. SP-I1481: UI : Update the Power Tx phase to Power Transfer phase
34. SP-I1482: UI: LowerCase & Follow the same format for all packets in configure packet window
35. SP-I1480: UI Bugs 1 : Change the RP as Received power in trigger settings & Remove RP8
36. SP-I1494: UI : In Qi Exerciser panel, Get temperature is enabled even if we click out check box.
37. SP-I1356: 8.4.5_018: Test case json file is not proper
38. SP-I1451: C3 IP address Dropdown issue

39. SP-I978: Custom mode: 5.3.4.1_TC1: Even though expected response is there we are re-initiating SRQ Packet
40. SP-I1423: Custom mode 1.3: Configured tStart is not reflecting in protocol for ADT and CFG packet in neg phase
41. SP-I1476: 1.2.4 BPP : 5.3.3.1 _ 8c & 8d : Expected packet sequence is not sent as per CTS

Software Version number: 1.2.0.86

Release Date: 06 August 2021

Firmware: 1.0.1.53

Updates:

1. Integrated all Samsung PPDE testcases except (5.1 & 6.3)
2. Added Provision to send assertion message irrespective of FW assertion for 5.4.10 , 6.2.18 and 6.2.19.
3. Added Upload and download Self Declaration Form for DUT.

Bug Fixes:

1. I1377 - Requirement : 6.2.18, 6.2.19, 6.2.20, 6.2.21,6.2.22, 6.2.23,6.2.24 tests should be executed using test ID in custom mode
2. I1433 - 1.3 Custom mode: 6.2.14: Even though there is no response for FOD/ qf packet we are not initiating it thrice as per spec
3. I1460 - 1.2.4. EPP: packets are not initiated thrice in case if DUT failed to response
4. SP-I1471: Requirement: Need separate packet data log file for each test case
5. SP-I1453: Custom mode: Not able to give decimal values in load configuration text box
6. SP-I1474: UI: Qi_exerciser panel, input text of C3 trigger settings is coming outside the field
7. SP-I1464: 1.2.4 EPP- 5432 - MP3 coil Testcases-Full Load is applied as 10ohms instead of 9.6ohms
8. SP-I1450: Requirement : C3 Browser - Give provision to save the configurations of DUT/ Test configuration to a file
9. SP-I1462: 1.2.4 EPP Custom mode: 5.4.10: we are not sending Test_stop message and Tester unable to initiate CE non-zero values.

Software Version number: 1.2.0.85

Release Date: 29 July 2021

Firmware: 1.0.1.53

Updates:

1. Display as Rectified Power in case of Spec version as 1.0

Software Version number: 1.2.0.84

Release Date: 15 July 2021

Firmware: 1.0.1.50

Updates:

1. Mismatch of Plot and Packets synchronization is fixed.

Software Version number: 1.2.0.83

Release Date: 14 July 2021

Firmware: 1.0.1.50

Updates:

1. Integrated 10.2.8 & 10.2.9 Testcases in Automation and Qi-Exerciser mode.

Bug Fixes:

1. SP-I1398: 1.3 Custom mode: 6.2.2_20a test: Send instant tab sequence is not updated in json file.
2. SP-I1395: 1.3 Custom mode: 8.3.39 - Packet configuration in json file is not as per CTS
3. SP-I1387: 1.3 Custom mode: 8.3.10 Test case, Tstart is 15ms instead of 299ms
4. SP-I1402: C3 Support Ticket: #2122: Model Number Entered in DUT Information tab is not reflecting in HTML Report
5. SP-I1412: 8.4.40 and 42, Timing is updated 5000ms instead of 3000ms for DSR packet
6. SP-I1401: 1.3 Custom mode: 8.3.9_032: Instead of PROP/3 packet we added ADT Packet after CFG/Ep in Json file
7. SP-I1424: Requirement: In Negotiation phase, multiple testcases can't run at a time
8. SP-I1379: 1.3 custom mode: 8.2.6_002 Testcase, Signal strength value is reflecting wrong in trace.
9. SP-I1370: 1.3 Custom mode: 8.2.2_10 testcase, payload is missing in ADT1e packet
10. SP-I1388: 1.3 Custom mode: 8.3.1, 8.3.2, 8.3.5 series tests: Packets are not initiated as expected
11. SP-I1413: 1.3 custom mode: not able to load 8.4.31_001 json file
12. SP-I1416: Kickmaker DUT: Exerciser Mode, 5.3.5.6_MP.TX.SYSCTRL.POWXFER.RENEG Test, RP Mode 1&2 DUT is giving NAK
13. SP-I1396: 1.3, Custom mode: Treceived timing should be modified in 1A to Tpr6 coil tests json files
14. SP-I1386: 1.3 TC Json Update : Json files are not available in Test configuration Path for 8.3.5_015 to 8.3.5_023 tests
15. SP-I1420: 1.3 custom mode: 8.3.36 testcase, 1st SRQ/gp value and 2nd SRQ/gp value are interchanged
16. SP-I1417: 1.3 custom mode: 8.3.28_005, json is not proper
17. SP-I1409: 1.2.4 EPP TC Json update: 5.4.1-MP3 coil Test: RP-offset should be updated to - 115mw in json file
18. SP-I1422: TC 5.4.11, 6.2.21 : integer values are updating incase of decimal values of First load
19. SP-I1421: Kickmaker DUT: In Exerciser Mode 5.4.11_ptx-pow-ovp-epp-2 tester setting first target load as 12ohms instead of 11ohms.
20. SP-I1418: 1.3 custom mode: 8.3.3 series, observed SRQ/rpr packet is missing in sequence
21. SP-I1426: 1.2.4 EPP TC Json Updates: Offset values are not as per CTS in json files for MP3 Tests.

22. SP-T1656 - Update 1.2.4 JSON files for mp3 coil as 1 Value and make sure to update respective values to that JSON file
23. SP-T1655 - Update P_offset to 1 value for mp3 coil and keep default as -115mW

Software Version number: 1.2.0.82

Release Date: 30 June 2021

Firmware: 1.0.1.49

Updates:

1. Handled Calibration phase decoding for V1.3.
2. In Qi-Exerciser mode handled second RP packet in calibration phase.
3. Updated 1.3 Test configuration JSON files.

Bug Fixes:

1. SP-I 1355 - 1.3 Custom mode: 8.4.1: Not able to measure tinterval time.
2. SP-I 1381 - 1.3 Custom mode: 8.2.12 test case, the values implemented in json are not reflecting in trace.
3. SP-I 1388 - 1.3 Custom mode: 8.3.1, 8.3.2 , 8.3.5 series tests : Packets are not initiated as expected
4. SP-I 1387 - 1.3 Custom mode: 8.3.10 Test case, Tstart is 15ms instead of 299ms
5. SP-I 1392 - 1.3 Custom mode: 8.3.24: Json file need to be updated
6. SP-I 1389 - 1.3 Custom mode: 8.3.12 testcase, json file is not proper
7. SP-I 1385 - 1.3 Custom mode: 8.2.2_28 testcase, wrong payload is updated in cfg packet

Software Version number: 1.2.0.81

Release Date: 29 June 2021

Firmware: 1.0.1.49

Updates:

1. Updated Loss table for BPP coils to run 1.3 test BPP cases.
2. Added Inconclusive Test Result item.
3. Included Custom mode updated 1.3 test configuration JSON files.

Bug Fixes:

1. SP-I1384: 1.3 Custom mode: Extended ID bit is set to zero instead of one
2. SP-I1383: 1.3 Custom mode: 8.2.5_04 and 05, need to change major and minor version
3. SP-I1382: 1.3 Custom mode: 8.2.18_21 testcase, not able to load json file
4. SP-I1381: 1.3 Custom mode: 8.2.12 test case, the values implemented in json are not reflecting in trace
5. SP-I1377: 6.2.21_EPP3, 6.2.24 , 6.2.17 , 6.2.18, 6.2.19 test jsons files are missing in Test configuration files path
6. SP-I1376: 1.3 custom mode: 8.2.6_20 testcase, packet is wrongly updated in json
7. SP-I1373: 8.4.25, 8.4.26, 8.4.27 test json files are not available in Test Configuration Files folder
8. SP-I1372: 1.3 Custom mode: 8.2.2_21 testcase, payload is wrongly updated for RP packet
9. SP-I1371: 1.3 Custom mode: 8.1.6 testcase, json files are not proper

10. SP-I1370: 1.3 Custom mode: 8.2.2_10 testcase, payload is missing in ADT1e packet
11. SP-I1365: 1.3 Custom mode: Calibration CE timer should be 150ms instead of 100ms
12. SP-I1364: 9.2.3: Slot returned mask validated twice in sw
13. SP-I1363: 8.4.45: Wrong Json file is updated
14. SP-I1362: 1.3 Custom mode: 8.1.2_37 testcase, ADT/6o packet is sent instead of ADT/7o
15. SP-I1361: 1.3 Custom mode: CRC value is wrongly updated in WPID packet
16. SP-I1360: 1.3 Custom mode: data packet content is wrongly updated for ADC/auth
17. SP-I1359: 1.3 Custom mode: Test case json files are missing in ping phase
18. SP-I1357: 9.2.6 : Test is failed saying number of bytes in digest matching with slot returned mask but as per CTS it's expected
19. SP-I1355: 1.3 Custom mode: 8.4.1: Not able to measure tinterval time
20. SP-I1354: 8.4.4_010, 8.4.5_015: Test case json files are missing in C:\GRL\GRL-C3_Browser_App\TestConfigurationFiles path
21. SP-I1353: Custom mode: 8.4.2: As per CTS tinterval should be (1807+/-0.1)ms but we are configuring 799ms in json
22. SP-I1352: Exerciser mode - 6.2.22 : when user load 6.2.22 test json file , TPR coil selected as 1E instead of TPR#1B
23. SP-I1351: 8.4.6: tester sent prop/1e,1o,16,20 data packet instead of sending reserved data packet
24. SP-I1349: 10.1.4 and 10.1.6 Tests validation is wrong, Tests Failed but sw making this tests as Pass.
25. SP-I1347: Custom mode: 1.2.4 EPP : GP tests are not working if we use json files
26. SP-I1346: EPT/null packet is sent instead of sending EPT data packet from the reserved range
27. SP-I1345: 8.3.14_004, 8.3.22_005 : Test cases are NOT_Executed
28. SP-I1344: 8.3.5_001: Even though 10 Illegal SS packet sent we are updating as tester unable to send SS packet
29. SP-I1343: 8.3.29, 8.3.34, 8.4.35, 8.4.36, 8.3.37, 8.3.39: Pass Criteria is Not validated
30. SP-I1342: 8.3.26:Validation issue
31. SP-I1341: 8.4.44_014, 8.4.45: T_nextping check is not validated
32. SP-I1339: 10.2.4 series: MOD need to corrected as FOD in testcase selection window
33. SP-I1338: 8.3.1: After CFG/ep packet Control Error Packets should be in PT Phase
34. SP-I1335: 8.4.31 series, 8.4.35, 8.4.36, 8.4.42: Test should be Inconclusive if TPR does not log any response
35. SP-I1325: Custom mode: 1.3 - Test 8.4.3 - Tester not initiated CE after ADC packet
36. SP-I1321: 8.4.11: Instead of RP[Mode4] packets we are sending RP[mode0] Packets
37. SP-I1311: 1.3 : 6.2.9 and 6.2.13 tests: BSUT is detaching Abruptly in PT phase
38. SP-I1241: Auth PTx: 9_2_5 : DIGEST response updating more than 2 bytes

Software Version number: 1.2.0.80

Release Date: 16 June 2021

Firmware: 1.0.1.47

Updates:

4. Handled Licenses for respective Specifications.
5. Updated coil color encoding for EPP coils.
6. Added Provisions for Exerciser mode for PT phase packets.
7. Updated JSONS for Testcases to run in Qi-Exerciser mode.
8. Generating standard PDF report for Testresults.

Bug Fixes:

1. SP-I978: Custom mode: 5.3.4.1_TC1: Even though expected response is there we are re-initiating SRQ Packet.
2. SP-I1310: 6.2.21: Even though tester sent CE values -1, 0, +1 before applying 2.4kohms load we are failing the test.
3. SP-I1307: Custom mode 5.3.5.4_TC1(1F): Calibration phase is not added in Json file.
4. SP-I1306: 5343 : In custom mode, Tstart is 22.5ms between ack to EPT
5. SP-I1305: 124 EPP: MP1B json files need to be corrected
6. SP-I1308: Custom mode: Full load is set as 9.8ohms instead of 8.7ohms
7. SP-I1319: 8.4.10: Test case Validation is wrong.
8. SP-I1322: 8.4.24 series: Tresponse check is not validated.
9. SP-I1323: 8.2.2_008 and 8.22_012 test validated as fail, instead of pass
10. SP-I1312: In Ping Phase, PT phase tests ,Configuration Phase tests, Tterminate and Tnextping limits are not shown in the test result description.
11. SP-I1326: 6.2.11: T_received timing is not within limits.
12. SP-I1333: 8.4.29: Result description is printed twice
13. SP-I1316: 10.2.2_25(d-2) Test, Validating wrongly eventhough temperature is within the limit.
14. SP-I1331: 8.4.7 & 8.4.8 : Pass criteria is not validated.
15. SP-T1503: Standard High level test PDF report as per WPC format.

Software Version number: 1.2.0.79

Release Date: 01 June 2021

Firmware: 1.0.1.46

Updates:

1. Added Read Certificate Feature and Certificate Validation Status.
2. Implemented 1.3 Ping/ ID & Config phase/ Neg phase test cases in Exerciser mode.
3. Implemented New features i.e Calibration phase settings, Neg phase settings, and Pt phase settings in Exerciser mode.

Bug Fixes:

1. SP-I1218: 1.3: 10.2.3 & 10.2.4 Tests FOD values are not adjusted to value mentioned in CTS

2. SP-I1164: 1.3: 10.1.1 TPR_1F Coil Test, Tester not adjusting value for FOD packets as per CTS and SW Validation issue.
 3. SP-I1220: 8.2.2_44: update the fail description as proprietary packets are not initiated.
 4. SP-I1274: 1.3, While testing C3 Application got crashed and not able to execute any tests.
 5. SP-I1034: Poling is not happening when user clicks on stop execution/skip testcase button
 6. SP-I1272: Authentication:8.4.37 & 8.4.38 : Validate the Test procedure regarding the number of ADC/ADT packets
 7. SP-I1304: 5345: MP1B json files need to corrected
 8. SP-I1303: 1.2.4 EPP: Calibration Phase Timer values and RP offset values are not addedSP-I1220:
 9. SP-I1290: Thermo-mux connection error is observed while testing Thermal 5W
 10. SP-I1293: 10.2.3_TC1 & TC4 tests, validating wrong eventhough Coil Temperature is within limit <60C
 11. SP-I1296: 6.2.21_Test PTX-POW-OVP-EPP-3: Even though test is executed as expected we are making test as Incomplete
 12. SP-I1100: Wrong measurement is showing between Configuration packet and control error packet in automation mode
 13. SP-1278: Authentication : 8.4.37- power transfer phase : Test is failed eventhough 10 PTX ADC packets are initiated
 14. SP-I1283: 6.1.3: In result description test ID is updated wrong
 15. SP-I1275: 8.2.2_043: Tterminate check is not validated
- SP-I1299: 6.2.5: Even though DUT entered into ID&CFG phase we are failing the test by saying DUT did not enter
16. I1304 - 5345: MP1B json files need to corrected
 17. I1303 - 1.2.4 EPP: Calibration Phase Timer values and RP offset values are not added
 18. T1584 - PRMC Should be Changed as per latest value in Custom mode

Software Version number: 1.2.0.78

Release Date: 10 May 2021

Firmware: 1.0.1.44

Updates:

1. Implemented JSON report generation for testcases.
2. ENTER and ESC functionality in UI for popups.

Bug Fixes:

19. SP-I1224: For Proprietary 19 packet, DUT response is 65282.
20. SP-I1227: Description is wrong for 8.3.30 test cases
21. SP-I1219: 1.3: 10.2.3 TC1 Test, In plot Packets not updated while execution and after execution.
22. SP-I1236: Auto Close popup is not working
23. SP-I1248: 6.1.2 : observed Vr is failed when checked manually, but software is validated as pass
24. SP-I1252: 8.2.4: Test is passing instead of Fail

- 25. SP-I1260: 8.2.19: Even though ACK response came within time we are failing the test
- 26. SP-I1257: 8.4.5_011: Even though Renegotiate Packet sent we are printing as it is Not sent
- 27. SP-I1247: Software is validating the response time, eventhough transmitter is not sending response
- 28. SP-I1220: 8.2.2_44 : update the fail description as proprietary packets are not initiated
- 29. SP-I1100: Wrong measurement is showing between Configuration packet and control error packet in automation mode
- 30. SP-I1245: Requirement: Authentication - 9.2.1: TD_9_2_1_TEST_PTX_APX_FLW_SFX_001 - Decode the Packets (Slot number, offsetA8, Length A8) etc
- 31. SP-I1235: Nok9-C3_EPP Correlation: 5.4.2_15W Test Protocol trace not updating properly after test execution.
- 32. SP-T904: integrate authentication protocol in Software
- 33. SP-T805: Authentication implementation
- 34. SP-T1500: Requirement: create api for getting only filtered packets data.
- 35. SP-T1549: Authentication Message Flow display in Plot.
- 36. SP-T1548: Power transfer phase: Implementation of Auth test cases[8_4_37, 38,39,41,43]
- 37. SP-T776: C3 Main Ui changes
- 38. SP-T1516: Authentication Test case validation
- 39. SP-T1515: Authentication Test case implementation

Software Version number: 1.2.0.77

Release Date: 04 May 2021

Firmware: FW_V_RX_3_0_0_4 -> Should be uploaded to the RX side

FW_V_TX_2_0_0_4 -> Should be uploaded to the TX side

Updates:

- 1. Display Authentication protocol display in plot
- 2. Implemented pending PT phase all 5 test cases and Auth 9.2.5 and 9.2.7
- 3. Implemented all authentication test cases I.e PT phase 5 test cases and Auth 9.
- 4. Handled Filter packets to display all messages if we slide up.

Note:

For 8.4.41 and 8.4.43 test cases

Need to configure Certificate length in Tx side:

TX side Certificate length configuration API:

API: 01 FE 27 <CTR_BYTE>

CTR_Byte:

00 - Disable

01 - Enable

FW Updates:

- 1. Generating private key
- 2. Generating a certificate chain for GRL
- 3. Signing the TBS data and sending to RX
- 4. Implementing the communication between CPU0 to CPU1 and vice versa

5. Implemented PWR transfer phase's 8.4.39
6. Tx side nack-handling and ADT retrying has been implemented.
7. Dynamic signing of the random number received from RX
8. Applied openssl patch for certificate decoding

Software Version number: 1.2.0.76

Release Date: 22 April 2021

Firmware: 1.0.1.42

Updates:

1. Added Provision to set Guaranteed Power and Maximum Power before running test case.
2. Added Assertion messages to get rectified voltage, current, power and received power values
3. Show DUT name after read capabilities if the DUT is WPC certified
4. Updated FSK error packet if we see unknown FSK.
5. Updated RPP calculations based on MP and GP.

Bug Fixes:

1. SP-I1225: 8.3.11, 8.3.12: Update test result as Fail Instead of Incomplete
2. SP-I1223: 8.3.10: We are keeping wrong limit for tstart and making the test Incomplete
3. SP-I1224: For Proprietary 19 packet, DUT response is 65282
4. SP-I1218 : 1.3: 10.2.3 & 10.2.4 Tests FOD values are not adjusted to value mentioned in CTS
5. SP-I1215: 8.4.16: Update the test result description

Software Version number: 1.2.0.75 [Authentication Test Cases]

Release Date: 22 April 2021

Firmware: FW_V_RX_3_0_0_2 -> Should be uploaded to the RX side

FW_V_TX_2_0_0_3 -> Should be uploaded to the TX side

[Note : This Software is verified only using TestJig]

Updates:

1. Updated Authentication test cases [Authentication (7/9)]
2. Added Assertion for authentication status.
3. Updated Authentication messages Decoding in Plot

Software Version number: 1.2.0.74

Release Date: 15 April 2021

Firmware: 1.0.1.40

Updates:

3. QI Exerciser mode for V1.3 Spec.
4. Integrated with FW 1.0.1.40.
5. Integrated Power transfer testcases except authentication testcases.

1.3 Test cases Chart: (641/655)

1. Mechanical (1/1)

- 2. Thermal (2/2)
- 3. Connected Load tests: (25/25)
- 4. Disconnected Load tests: (7/7)
- 5. Load Modulation (1/1)
- 6. Frequency Modulation (4/4)
- 7. Ping phase tests: (69/69)
- 8. Configuration Phase tests: (172/172)
- 9. Negotiation tests: (150/150)
- 10. Power Transfer tests: (167/172) -> Authentication tests are pending
- 11. Authentication (0/9)
- 12. Pre-Power tests: (14/14)
- 13. In-Power tests: (29/29)

Bug Fixes:

- 40. SP-I1192: 8.4.27: Printing Wrong Description
- 41. SP-I1190: Tester is initiated DSR(NAK), instead of DSR(ACK)
- 42. SP-I911: Sometimes plot window is loading during the testcase Execution
- 43. SP-I1200: 8.1.1: Tests Failed eventhough expected EPT packets initiated properly.
- 44. SP-I1188: 5.2.1, 5.2.2: Even though Test is executed properly result is updating as Not_Executed
- 45. SP-I1103: 1.3 : all tests: update the description with payload (hexa value) instead of decimal values
- 46. SP-I1195: 6.2.1: Selection phase - Passing the test eventhough Dut entered into pt phase more than 3 times
- 47. SP-I1194: 6.1.X series tests : Tests are not validated
- 48. SP-I1193: 1.3: 10.2.3 & 10.2.4 Tests, Tester sending Test Stop immediately after Test Started.
- 49. SP-I1175: 8.3.5_011 to 8.3.5_023: Timing between Consecutive illegal Packets are not maintained as per CTS

Software Version number: 1.2.0.73

Release Date: 12 April 2021

Firmware: 1.0.1.39

Updates:

- 6. QI Exerciser mode for V1.3 Spec.
- 7. Integrated Coil loss table & RP adjust.
- 8. Integrated Power transfer testcases except authentication testcases.
- 9. Integrated Thermal testcases.
- 10. Integrated Mechanical test.

1.3 Test cases Chart: (641/655)

- 1. Mechanical (1/1)
- 2. Thermal (2/2)
- 3. Connected Load tests: (25/25)
- 4. Disconnected Load tests: (7/7)

- 5. Load Modulation (1/1)
- 6. Frequency Modulation (4/4)
- 7. Ping phase tests: (69/69)
- 8. Configuration Phase tests: (172/172)
- 9. Negotiation tests: (150/150)
- 10. Power Transfer tests: (167/172) -> Authentication tests are pending
- 11. Authentication (0/9)
- 12. Pre-Power tests: (14/14)
- 13. In-Power tests: (29/29)

Bug Fixes:

- 50. SP-I1186: Result is showing pass, eventhough expected packet is not initiated.
- 51. SP-I1185: Result is not updated after test execution
- 52. SP-I1181: Wrong packet is mentioned in the final result
- 53. SP-I1180: 1.3: 10.2.4_All Test, If we stop in between execution and rerun Plot is disappearing.
- 54. SP-I1178: 8.3.9_025: FOD/ rf value should be default as per CTS , but we are setting random value
- 55. SP-I1170: 8.4.33_002: ADC/ Auth parameter is not set as 0x12
- 56. SP-I1168: 8.4.26: Test case ID is showing wrong in description
- 57. SP-I1167: Invalid message bytes foundecoded in QI
- 58. SP-I1165: 1.3: 10.1.1 & 10.1.2 Tests, Enable Remove/Place Coil popup.
- 59. SP-I1162: 1.3: 10.1.2 Test, Observed irregular sequence DUT not responded for FOD still test Pass.
- 60. SP-I1157: 1.3, 6.2.21_EPP3 Test, Making fail eventhough packets sent proper.
- 61. SP-I1156: 1.3: 6.2.19 Test, Test Tool printing wrongly in description
- 62. SP-I1154: 1.3: 6.2.14 Test making false fail eventhough expected packets initiated properly.
- 63. SP-I1152: 1.3 Requirement: 6.1.1 Test, Make additional tests separately instead of all in one run.
- 64. SP-I1150: 6.2.13 Test #23(f): Guaranteed Load Power: Required Test Tool Mentioned Wrongly.
- 65. SP-I1147: 8.4.5_006 & 8.4.5_009: Even though Illegal Packets sent correctly we are validating test as fail
- 66. SP-I1145: 1.3: 6.2.2 and 6.2.3 20(a)&(b) and 6.2.4 Power Control Tests, Tester not measuring Rectified Voltage as per CTS, Validating wrongly.
- 67. SP-I1126: V1.3 PT Phase: RP Timing issue
- 68. SP-I1124: SW gets hanged after executing Frequency Modulation test in automation mode.
- 69. SP-I1123: While running all 1.3 testcases at a time in automation mode SW gets hanged.
- 70. SP-I1107: 10.1 series tests: Differentiate FOD_Status Packet in test result description

Software Version number: 1.2.0.72

Release Date: 01 April 2021

Firmware: 1.0.1.38

Updates:

1. QI Exerciser mode for V1.3 Spec.
2. Integrated all Connected load testcases.
3. Integrated all Disconnected load testcases.
4. Integrated all Pre Power testcases.
5. Integrated all In Power testcases.
6. Integrated Power transfer testcases.

1.3 Test cases Chart: (629/655)

1. Mechanical (0/1)
2. Thermal (0/2)
3. Connected Load tests: (22/25) -> 3 FW pending
4. Disconnected Load tests: (7/7)
5. Load Modulation (1/1)
6. Frequency Modulation (4/4)
7. Ping phase tests: (69/69)
8. Configuration Phase tests: (172/172)
9. Negotiation tests: (150/150)
10. Power Transfer tests: (161/172) -> 7 pending
11. Authentication (0/9)
12. Pre-Power tests: (14/14)
13. In-Power tests: (29/29)

Bug Fixes:

71. SP-I1118: 1.3, 8.2.19_001 Test, Tester made false Fail even though DUT responded with ACK within T_response.
72. SP-I1116: 8.2.19: Even though Measured response is within limits we are failing the test case.
73. SP-I1114: 1.3, 8.3.9_16 to 19 tests "Place Coil popup showing TPR 1A Coil for TPR 1F Tests".
74. SP-I1112: Proprietary value is zero irrespective of SRQ/PROP inputs
75. SP-I1111: 1.3: 8.1.1 Test ID has been given wrongly.
76. SP-I1110: 1.3, 8.3.7_06 test result description updating two times.
77. SP-I1106: Observed CRC Value is wrong in packet decoder
78. SP-I1102: update the Typo correction : NACK to NAK
79. SP-I1076: Read capabilities feature is not working as expected
80. SP-I807: Place the coil popup shows twice while running the automation testcases
81. SP-I707: If GetMessage box description changes in secs we are not handling still showing old message for 1-2 secs then changing description
82. SP-I633: Highlight tests which are incomplete/NA in the test results with respective colour code (as of now showing with red colour, highlight with the orange colour same as status bar)

Software Version number: 1.2.0.71

Release Date: 24 March 2021

Firmware: 1.0.1.36V2

Updates:

7. Initial Version of QI Exerciser mode for V1.3 Spec.
8. Integrated all ping testcases.
9. Integrated all Configuration testcases.

1.3 Test cases Chart: (396/668)

1. Mechanical (0/1)
2. Thermal (0/2)
3. Connected Load tests: (0/25)
4. Disconnected Load tests: (0/7)
5. Load Modulation (1/1)
6. Frequency Modulation (4/4)
7. Ping phase tests: (69/69)
8. Configuration Phase tests: (172/172)
9. Negotiation tests: (150/150)
10. Power Transfer tests: (0/185) – (Not Implemented)
11. Authentication (0/9)
12. Pre-Power tests: (0/14)
13. In-Power tests: (0/29)

Bug Fixes:

83. SP-I1086 - 8.3.5 : Consecutive Illegal packets are not sent in limits
84. SP-I1085 - Change the Quality factor value to 20 in 541-MP.TX.PERF.POWGUARANT.15W.TC2 json file
85. SP-I1062 - If we load any scope waveform in C3 application it is showing as Coil Current always
86. SP-I317 - Requirement : Show the packets in custom mode plot only when we use custom mode.
87. SP-I854 - Unable to clear the IP address completely
88. SP-I1091 - 1.3, Remove/Place Coil popup is disabled in SW 1.2.0.70
89. SP-I1020 - 1.3, TD_8_1_6_TEST_PTX_CPX_PNG_SXF_RST_002 to 8_1_6_005 not showing Remove/Place coil popup.
90. SP-I347 - TD:8_1_8 :Sending Data packets after SS packet
91. SP-I1094 - 8.1.6: Tnpower is not measured correctly
92. SP-I1092 - 8.1.2 series - TD_8_1_2_TEST_PTX_CPX_PNG_S01_ILL_019 : validated the test eventhough packet is not decoded properly
93. SP-I1095 - 8.2.2_11 :ADT odd packet raw data decoded as 0x00 and all bytes are not displayed
94. SP-I1097 - 8.2.2_40 : XID packet should go with 7 bytes but Tester initiated with 8 bytes

95. SP-I1093 - 8.1.2_1 , 8.1.2_46, 8.1.2_47 : Test is failed saying Qi packet is not initiated
Eventhough packet is present,
96. SP-I426 - 8.4.7, 8.4.8: Test result is updated as Not_Executed
97. SP-I1096 - 8.2.2._12 & 8.2.2.13: Typo error in description
98. SP-I1098 - 8.2.2 series tests: All ADT & ADC packets are not decoded in packet details
99. SP-I1104 - 8.2.6: Tterminate is not measured fromt the illegal packet
100. SP-I1105 - 8.2.8_004: Test is failed eventhough sequence is proper

Software Version number: 1.2.0.70

Release Date: 19 March 2021

Firmware: 1.0.1.35

Updates:

1. Fixed Read capabilities issue.
2. Renamed Object_Detect to Ping_Detect and Object Removed to Shutdown.
3. Integrated Custom mode Additional features as like NOK9.
4. Handled Tek wfm file loading in application.
5. Added Status messages for 1.3 test cases.
6. Implemented / Verified 1.2.4 (5.3.4.4) test case.
7. Added feature of grouping BPP and EPP coils separately.
8. Modified C3 image for packets to QI image
9. SPT:1436: Fix the markers while zooming the bigger part of plot
10. SPT:1411: Remove instantaneous values from the Graph
11. SPT:1413: In Exerciser mode under Coil type, please change the Coil voltage to Rectified voltage
12. SPT:1415: Move Controller settings to down as below image
13. SP-T1435: If Transmitter disconnects update the packet as DUT disconnected/Transmitter disconnected instead of object removed
14. SPT: 1438: Window offset and size should be zero for all tests
15. SPT: 1424: Load Modulation test cases (1.3)
16. SPT:1426: Frequency Shift key test cases (Scope tests) (1.3)
17. SPT:1405: Show Test result in UI if we load a trace in offline mode

1.3 Test cases Chart: (378/668)

1. Mechanical (0/1)
2. Thermal (0/2)
3. Connected Load tests: (0/25)
4. Disconnected Load tests: (0/7)
5. Load Modulation (1/1)
6. Frequency Modulation (4/4)
7. Ping phase tests: (65/69) - (4 pending)
8. Configuration Phase tests: (158/172) – (14 pending)
9. Negotiation tests: (150/150)

10. Power Transfer tests: (0/185) – (Not Implemented)
11. Authentication (0/9)
12. Pre-Power tests: (0/14)
13. In-Power tests: (0/29)

Bug Fixes:

- SP-I1084 Automation mode: BPP only V1.2.4 results are missing in test results panel.
- SP-I1083 V1.2.4 EPP License Info is missing in Connection setup panel.
- SP-I1081 MP.TX.FOD.OPERATE.FOD.RESPSUP.TC1&TC1a Tests are validating wrongly.
- SP-I1078 Automation Mode: TD_5_4_3_5_Test_MP_TX_FOD_OPERATE_FOD_ENDPOW_TC1&TC1a
Fail description need to be update correctly.
- SP-I1076 Read capabilities feature is not working as expected
- SP-I1037 5.4.3.2: Ramp-up loads are decoded in ohms
- SP-I906 Custom mode: When user selects BPP show only required coils in coil type dropdown
- SP-I904 Custom mode: Show the potential power level max ($\leq 5W$) when user selects BPP

Software Version number: 1.2.0.69

Release Date: 08 March 2021

Firmware: 1.0.1.34

Updates:

1. Added Read Capabilities feature.
2. Displaying coil type during attach.
3. Updated JSON Files for all the testcases based on potential power.
4. Created JSON Files for all the testcases individual coils.
5. Added Phase wise validation (Renegotiation phase & Calibration phase).

Bug Fixes:

1. SP-I1069: Custom mode: Not setting Quality Factor as 20 for MP-1A, MP-1B, MP, 1C coils
2. SP-I1049: Custom Mode: 5.3.4.3_TC3 Guaranteed and Maximum Power value is Different for 1F Coil
3. SP-I903: Requirement: Custom mode: EPP: Make the default potential power as $\leq 15W$ for the Json files
4. SP-I1064: Automation Mode: 5.3.4.5 TC5, Tester didn't consider response for re-initiated packet and Test made false Fail eventhough test Passed.
5. SP-I1061: 5321-Automation Mode Regulated Voltage Measurement is not seen in Test Results.
6. SP-I1060: 5.4.3.4: MP.TX.FOD.CALIBRATE.FO.ABSENT.TC1: Even though RP[Mode1] and RP[Mode 2] packet timing are in expected range we are making test as INCOMPLETE
7. SP-I1057: TD_5_4_3_4_Test_MP_TX_FOD_CALIBRATE_FO_ABSENT_TC1, Timing validation issue.
8. SP-I1052: 5.3.5.4: MP.TX.SYSCTRL.POWXFER.LDSTP.TC1 & TC2: Even though DUT not entered into PT phase we are sending +60/ -60 and validating test case as Pass
9. SP-I1051: 1.3 : 8.3.5 : SW validating wrongly for the SIG/PCH etc packet timings
10. SP-I1046: 1.3 : 8.3.26 - C3 initiating SRQ/Reserved instead of SRQ/rep

11. SP-I1045: 1.3: 8.3.22_002 to 8.3.22_004 : Test status says "Tester is not initiated reserved packet" eventhough data packet is present
12. SP-I1044: 1.3 : Update the test status as fail If BSUT response is not recieved for any data packet
13. SP-I1016: 5.4.1- 23D : BSUT is detaching after applying full load
14. SP-I1014: Plot: Ambient and Coil Temperature Plot is shown if we load other test case trace
15. SP-I1008: 1.3 Tests, TD_8_3_9_TEST_PTX_CPX_NEG_S07_SQX 1-12 tests except 1st test other all tests updated Not Executed eventhough tests ran.
16. SP-I972: We are considering lowest ping voltage instead of highest one for measuring Vr
17. SP-I922: Automation mode:5321,5323 Frequency testcases are failing
18. SP-I906: Custom mode: When user selects BPP show only required coils in coil type dropdown.
19. SP-T1392: Utility to update loss table for each coil.
20. SP-T1408: Update Test Configuration files for all V1.2.4 Testcases.
21. SP-T1380: Negotiation phase testcases :Review/Changes from RC3 D3 to Final draft.

Software Version number: 1.2.0.68

Release Date: 26 February 2021

Firmware :1.0.1.33

Updates:

1. Updated V.1.3 test cases based on final Draft Spec & CTS. (Ping and Configuration Phase tests)
2. Detailed Html reports and traces for every testcase.
3. Added new Feature for setting RP_Offset, RP_Mode and Qfactor in Automation testcases.
4. Updated applicability of Decoders for two different specs V1.2.4 and V1.3.

Bug Fixes:

1. SP-I1040 : 1.3 : 8.3.17_2 - Load power value(raw data) in SRQ packet is wrong.
2. SP-I1017: Tterminate is not measured as expected in 8.3.5-negotiation phase tests.
3. SP-I992: Automation Mode: 542-24 Testcase Failed by measuring wrong temperature.
4. SP-I1030: Requirement: 1.3 - Reduce the execution time for the testcases, as of now tests are running for 3-4 minutes.
5. SP-I1027 : 1.3 : 8.3.5_1 to 8.3.5_23 : Sw validation shows pass eventhough Negotiation phase packets /10 SS/CHS etc packets are not there.
6. SP-I1016 : 5.4.1- 23D : BSUT is detaching after applying full load.

Software Version number: 1.2.0.67

Release Date: 18 February 2021

Firmware :1.0.1.33

Updates:

1. Updated code to create dedicate resource usage for C3, previously sharing resources used.

2. Implemented 1.2.4 EPP FOD test cases.
3. Integrated E-load Version 2.1.
4. Implemented 5.4.10 and 5.4.11 EPP test cases.
5. Implemented 5.4.10, 5.4.11 test cases in Exerciser Mode.

Bug Fixes:

1. SP-I995: Automation mode:5332 test Report is not proper few details are missing.
2. SP-I991: 192Ohm Load is passed during calibration phase
541_MP_TX_PREF_POWGUARANT_15W_TC2.
3. SP-I989: 5.4.10, 5.4.11: Jsonfiles are not Proper.
4. SP-I980: EPP: #5.3.3.5- Instead of Fail we are updating test case Incomplete.
5. SP-I978: Custom mode: 5.3.4.1_TC1: Even though expected response is there we are re-initiating SRQ Packet.
6. SP-I975: TD_5_4_1_Test_23d_EPP Test updated Not Executed with MP 1A Coil even though it executed.
7. SP-I973: Automation mode :541-23F Test Stop packet is not there but testcase stopped within the mentioned time limits.
8. SP-I968: EPP: 5.4.1 23D, Neg bit is set to false, DUT not entering into Negotiation phase.
9. SP-I967: 5331-8A-Extended Identification payload value having some mismatches between custom mode and Automation mode.
10. SP-I961: 5.3.5.4 Test MP.TX.SYSCTRL.POWXFER.LDSTP.TC1 & TC2, Tester not initiated CE+60, CE-60 packets.
11. SP-I960: 5.3.4.1 Test MP.TX.SYSCTRL.NEG.RESPCOR.TC1, Tester didn't send SRQ with change count after SRQ RP Packet.
12. SP-I951: 5.4.2 -> Test_PTX_POW_TEMP_EPP detaching after CFG packet.
13. SP-I950: Custom mode - 5.4.10 - Tester sending only RP packets after applying 820ohms.
14. SP-I942: Qi-Exerciser panel: Specific Request packet typo error in c3 trigger settings dropdown.
15. SP-I941: Custom mode: Retried packet payload getting mismatch between initial packet.

Known Issues:

1. SP-I1000: Calibration Phase is not there : 5.4.3.5 Test
MP.TX.FOD.OPERATE.FOD.ENDPOW.TC1.
2. SP-I1001: Calibration Phase is not there : 5.4.3.5 Test
MP.TX.FOD.OPERATE.FOD.RESPSUP.TC1.
3. SP-I1002: DUT is not maintaining PT Phase : 5.4.3.5.
4. SP-I1003: 5.4.3.2 : Calibration loads are decoded in mA.
5. SP- I1004: 5.4.1 Test MP.TX.PERF.POWGUARANT.15W.TC2 : DUT is detaching after FULL load.
6. SP- I1005: 5.4.1 Test MP.TX.PERF.POWGUARANT.12W.TC1 : Applying 2.4K Ohm.
7. SP- I1006: 5.4.1 Test MP.TX.PERF.POWGUARANT.8W.TC1 : DUT is detaching after 6.8Ohm.
8. SP- I1007: 5.4.1 Test MP.TX.PERF.POWGUARANT.15W.TC1 : DUT is detaching after 270hm.

9. SP-I990: 5.4.11_EPP3: Target load is not applying.
10. SP-I988: 5.4.11 : Sending First Load in between calibration Phase.
11. SP-I987: 5.4.10 : setting random loads in calibration Phase.

Software Version number: 1.2.0.66

Release Date: 02 February 2021

Firmware :1.0.1.32

Updates:

1. Integrated scope Test cases i.e 5.2.2 (TC1), 5.2.2 (TC2) and 5.3.3.5 (TC2).
2. Added Remaining EPP test cases of 1.2.4 (5.3.5.6, FOD test case, 5.4.1, 5.4.2, 5.4.10, 5.4.11)
3. Added JSON files for all EPP test cases.
4. Updated plot to display detail packet information.
5. Updated Notification in UI for scope required Test cases.
6. Updated Filter to 1.2.4 and 1.3

Bug Fixes:

1. SP-I887: 23-f json file is having wrong load value.
2. SP-I797: test configuration (version) decoders reflecting the custom mode.
3. SP-I860: Test #25: The test was not finished when DUT shuts down under 50mA.
4. SP-I900: EPP-Automation:5341: Reserved bit is not set to 1 in specific request ->guaranteed power packet.
5. SP-I901: Custom mode: EPP:5323-#5a - configured control error packet in json file.
6. SP-I902: Automation:EPP-5335: Tinbetween time is not measured.
7. SP-I913: EPP: 5.3.5.4-TC2 Measuring wrong Voltage and failing the test case.
8. SP-I915: Custom mode - Requirement show additional text boxes based on specific request packets "Request" filed.
9. SP-I917: EPP: 5.3.5.4: Even though CE -60 packet was not sent we are validating the test case as Pass.
10. SP-I920: Automation mode :5332- Eventhough testcase is passing but validation showing as fail.
11. SP-I921: 541: MP.TX.PERF.POWGUARANT.15W.TC1: Even though test case is executed properly we are updating test case as Not_executed.
12. SP-I924: Requirement : Keep all Reserved bits field in Hex format for all packets.
13. SP-I929: 5.3.4.1: Even though tresponsetimeout>50ms we are not initiating next packet.

Known Issues:

1. SP-I952: Tests : 5.4.10 and 5.4.11 ,Load assertion message is not sent.
2. SP-I951: 5.4.2 -> Test_PTX_POW_TEMP_EPP detaching after CFG packet.
3. SP-I950: Custom mode - 5.4.10 - Tester sending only RP packets after applying 820ohms.
4. SP-I949: Horizontal markers is not marking the exact packet position in Negotiation phase.
5. SP-I948: Custom mode : EPP - Observing Detach after Rp[Mode-0] packet in PTphase.
6. SP-I947: 840hm Load is passed during calibration phase
541_MP_TX_PREF_POWGUARANT_8W_TC1.

7. SP-I946: Observed Repeatetion of RP packet in 541_MP_TX_PREF_POWGUARANT_8W_TC1.
8. SP-I945: 5.4.1 : 23D EPP testcase is not regulating to 7.5V.
9. SP-I944: FOD Manual test execution - Observed mismatch between configured load values and observed load values while executing test case with TPR_MP3 coil.
10. SP-I943: Not setting Negotiate Guarenteed Power to Potential Power even API is passed.

Note:

1. All EPP coils has to place in optimum position before running test cases, for Non optimum positions packets/ results might vary

Software Version number: 1.2.0.65

Release Date: 13 January 2021

Updates:

1. Integrated with FW 1.0.1.30.
2. Changed Version 1.2.4 all subtest cases into Main testcase.
3. Added Potential Power Value dropdown.
4. Updated Test configuration json files as per new changes.
5. Added More specified descriptions for Qi-packets in Plot window.
6. Based on coil selection, updating default Qi-packet sequence.
7. Added Coil Filter for filtering testcases based on selected coil.
8. Updated HTML report for only executed testcases.

Bug Fixes:

14. SP-I887: 23-f json file is having wrong load value.
15. SP-I888: 5323: Remove Control Error packet from test_5 json file.
16. SP-I880: Custom mode: Requirement - Update DUT type to EPP if coil type selected as TPR_1F, TPR_MP1B, TPR_MP1A, TPR_MP1C, TPR_7.
17. SP-I688: Custom mode: EPP - Not entering into PT phase.
18. SP-I893: update the json file based on latest SW.
19. SP-I270: Requirement: If a test contains a sub test case after test execution if we click on sub test case it is not marking that area in plot.
20. SP-I499: Requirement: Show only selected test in UI while test execution if a test contains more than one sub test.
21. SP-I551: Test Config Panel: Passed Test Cases also listed under the Failed Testcase button.
22. SP-I802: Custom mode: EPP - Packet timings are not updating as per configured value.
23. SP-T1184: Retestable function in case failure test cases has to re-test.
24. SP-T1238: validation of Test 5a, 5.3.4, 5.3.5.4 and 5.41 EPP test cases.
25. SP-T1212: Update Default Negotiation phase packets in Exerciser mode.
26. SP-T1223: Decode Tek Waveform File and plot it in browser.

Software Version number: 1.2.0.64

Release Date: 31 December 2020

Updates:

1. Added Packet Trigger.
2. Updated Test configuration Json files.
3. Added Editable Combo box at coil load switching.
4. Added save feature for FOD and Exerciser mode.
5. Added all TPR coils in exerciser mode.

Bug Fixes:

1. SP-I855: cross mark on IP address edit box is not working.
2. SP-I854: Unable to clear the IP address completely.
3. SP-I843: Observed Logfile is generated along with old test case data.
4. SP-I833: Custom: 5.3.1 Test Procedure is incorrect in SW 1.2.0.58.
5. SP-I831: Error popup is coming, While Installing the C3 Software.
6. SP-T1175: Implement Trigger in Exerciser mode for all packets.
7. SP-T1177: synchronize QI packets with respect to signals in 1/2ms.
8. SP-T1179: Save GRL Trace Files automatically for exerciser mode.
9. SP-T1181: Update test case name along with in Exerciser mode
10. SP-T1183: Update Load values automatically to based on Coil, similar like Nok9.
11. SP-T1182: Save FOD test case Reports.

Note:

1. Added Delta-P, Delta-Q and Check-Box for Negotiate Guaranteed Power to Potential Power.
(Won't reflect the FOD execution)
2. Trigger for WPID, Renegotiate and Prop38 packets won't work.

Software Version number: 1.2.0.63

Release Date: 20 December 2020

Updates:

1. Fixed new Scroll bar issue.
2. Updated Software to synchronize both QI packets and Signal.
3. Added EPP test configuration Json Files.
4. Fixed sometimes Signals missing issue while running FOD test cases.
5. Fixed Auto connect with default Ip address.
6. Added ThermoMux USB Connect and disconnect event but still testing expect themomux issue comes.

Software Version number: 1.2.0.62

Release Date: 13 December 2020

Updates:

1. Updated Firmware with proprietary packet Fix.

Software Version number: 1.2.0.61

Release Date: 13 December 2020

Updates:

1. Added Minutes and Hours in Packet log file

Software Version number: 1.2.0.60

Release Date: 13 December 2020

Updates:

1. Updated E-Load code.
2. Reverted to Old Firmware.
3. Suppressed ELoad Assertion Message.

Software Version number: 1.2.0.59

Release Date: 13 December 2020

Updates:

1. Disabled FOD RP adj API after running FOD test case.

Software Version number: 1.2.0.58

Release Date: 13 December 2020

Updates:

1. Updated RPAAdj API
2. Updated new Eload Code 1.9

Software Version number: 1.2.0.57

Release Date: 12 December 2020

Updates:

1. Reverted back latest scroll update from UI.
2. Updated Firmware.

Software Version number: 1.2.0.56

Release Date: 12 December 2020

Bug Fixes:

1. Pico thermologger Drivers TC-08 drivers along with Software release.
2. Updated Elapse time Add to Load configuration Tab in Exerciser panel
3. Updated AMB and FO temperature difference in Exerciser panel
4. Enable PRMC edit with hex alphabets
5. SP-I813: Custom mode : 521 : DUT is detaching before 30sec after entering into PT phase.
6. SP-I812: Custom mode- 541-23D: Test case is not maintaining for 2mins.
7. SP-I810: 541-23D -Dut is detaching immediately in custom mode but 23D testcases working fine with Automation mode.

8. SP-I793: 5335-in automation we are seeing two sequences in Configuration packet ,one is with negbit enabled and in another sequence negbit disabled.
9. SP-I792: TC-5342: EPP - Scope trigger assertion message initiated after Configuration packet.

Software Version number: 1.2.0.55

Release Date: 27 November 2020

Bug Fixes:

1. SP-I 771: Taking 1minute 6s time to get connected in SW after the C3 Powercycle Eventhough LCD display shows with ip/fw versions
2. SP-I 768: Automation:16a: Tinterval between CFG-CE is changed compared to previous versions
3. SP-I767: Automation:16b: Tinterval is not maintied between CFG and 1st Control error packet
4. SP-I 727: Custom mode:5354-(1B) testcases are not working as expected in custom mode
5. SP-I 765: Custom mode:16a - Tinterval between control error packets is not maintained
6. SP-I 766: Custom mode_json file: 16a/16b - Tstart/tsilent should be considered for proprietary packet instead of Tinterval
7. SP-I763: 5.3.1: Test validated wrong

Software Version number: 1.2.0.54

Release Date: 18 November 2020

Bug Fixes:

8. SP-I756: GPT: DUT detaches around 25s after Communication establishes

Known Issue:

1. T_interval timing might vary with +-1ms in automation test cases, in exerciser mode it is accurate. Eg: in Automation test cases t_interval configured as 250ms, might get 251~249ms.

Software Version number: 1.2.0.53

Release Date: 17November 2020

Bug Fixes:

1. SP-I752: Test Case 16a - observed Deviation in tInterval[0.3 ~ 0.4ms] between CE packets
2. SP-I657: Custom-mode:5351-16A CE values are printing wrong in plot window

Software Version number: 1.2.0.52

Release Date: 12 November 2020

Bug Fixes:

1. SP-I712 : Requirement : requirement for all buttons to make mouse over busy until ajax polling comes back,
2. SP-I689 : Requirement : Need a button at coil configuration
3. SP-I653 : Updating Temperature values wrongly
4. SP-731 : Custom mode: Payload details field getting changed irrespective of packet type while changing Coil type
5. SP-I747 : If we open large HTML file laptop is getting hang.
6. SP-I745 : Temperature value reading is different sometimes
7. SP-743 : Plots are getting disappear if we try to zoom the signal after test execution.
8. SP-I733 : Custom mode: Packets are realigned while adding new packet
9. SP-I731 : Custom mode: Payload details field getting changed irrespective of packet type while changing Coil type
Custom mode: Payload details field getting changed irrespective of packet type while changing Coil type
10. 1. SP-I698 : 8-bit RP Packet decoded as 255% (FF) while running GPT tests in custom mode
11. 2. SP-I670 : Custom mode: tInterval between PROP packets are not updating as per configured value
12. 3. SP-I650 : Custom mode: tSilent is not updating as configured value
13. 4. SP-I508 : TestCase : 8.3.34 -> Tester unable to send SRQ/rpr data packet
14. 5. SP-I718 : LCD display not showing with IP address/versions after rebooting the C3
15. SP-I 658: Requirement--Custom mode: Give Provision to Configure received time in Configuration Packet
16. SP-I 681: Temperature reading not happens After test execution and popup says unable to open thermomux
17. SP-I709: FOD Manual: Get temperature button is Reading negative values after clicking stop test case
18. SP-I 716: 541-23(d):Eventhough voltage is Regulated properly but Test Result showing as failed
19. SP-I 719: 5354-(1B):Rectified voltage and Rectified current waveform is not coming in plot window
20. SP-I 722: 1.2.0.51: Observed Tester ethernet issue while running the tests
21. SP- 725: Signal plot issue: Eventhough Test is executing observed load symbol in plot

Software Version number: 1.2.0.51

Release Date: 06 November 2020

Bug Fixes:

1. Fixed Identification PRMC code to pass in exerciser mode
2. Fixed to show previous temperature values in exerciser and FOD test case mode

Software Version number: 1.2.0.50

Release Date: 06 November 2020

Bug Fixes:

1. SP-I703: If GetMessage box description changes in secs we are not handling still showing old message for 1-2 secs then changing description
2. SP-I706: Result Panel:Requirement-Previous Automation mode Test Results (pass/fail testcases counts)are displaying in custom mode.
3. SP-I701: Previous captures are coming while using the filter button, eventhough if we clear the captures using clear capture Button.
4. SP-I697: FOD test execution : PRMC code is not changing in manual FOD mode/Custom mode
5. SP-I693: 541-23(b)-Eventhough CE packets are initiated but test Result showing as Incomplete
6. SP-I691: Custom mode:clear capture button having some issue while clearing the captures
7. SP-I687: combo box is smaller in size compared to name in C3 controller settings
8. SP-I683: Custom mode:if we click on set default button,power profile shows EPP
9. SP-I581: Requirement:TestConfig panel-If we edit PRMC code and Basic device Identifier value then after refresh the application ,value is not coming as default
10. Added Property to enable CC mode

Software Version number: 1.2.0.49

Release Date: 03 November 2020

Bug Fixes:

1. SP-I676: Custom mode: BSUT enters into pt phase even though packets are not configured when user clicks on set packet sequence followed by Start exerciser
2. SP-I674: CustomMode:If we click set default button multiple time ,packets sequence are getting appended.
3. SP-I 671: Popups are showing even though test execution stopped if user run all FOD testcases
4. SP-I669: Custom mode:Requirement-Power control hold of time packet should have unit in ms
5. SP-I668: 5.3.1 Selection Phase test executes in loop until force stop.
6. SP-I664:In TD_8_3_5_TEST_PTX_CPX_NEG_S07_ILL_002, 'Charge Status' Typo error in the application Result tab as well as in the Report.
7. SP-I TD_8_3_7_TEST_PTX_CPX_NEG_S07_RES_009 Test, Tester not initiating SRQ/rcs packet.
8. Sp-I656: TD_8_3_1_TEST_PTX_CPX_NEG_S07_ABT_001 test configuration packet validation mismatch.
9. SP-I655: Custom mode:eventhough packets are selected but Send Selected Rows button is not enable

10. SP-I654: FOD:After test execution finishes in custom mode Temperature values are not reading in Test config panel
11. SP-I652: Custom mode:Maximum power value is printing wrong in configuration packet
12. SP-I645: Testcases are not getting compressed when we run all the testcases
13. SP-I644: C3:Html Report saved with 0kb
14. SP-1660: Custom mode:Control Error payload textbox is not Accepting the 00 value

Software Version number: 1.2.0.48

Release Date: 28 October 2020

Updates:

15. Added API's for Controller Calibration

Software Version number: 1.2.0.47

Release Date: 28 October 2020

Updates:

16. Added Feature of plot clear capture.
17. Updated Frequency and Duty Cycle values to double.

Software Version number: 1.2.0.46

Release Date: 27 October 2020

Bug Fixes:

1. Optimum coil position values update to UI is fixed

Software Version number: 1.2.0.45

Release Date: 26 October 2020

Bug Fixes:

1. Integrated FW 1.0.1.13
2. Fixed to update plot fast in Thermal Test case.
3. Fixed HTML Reports issues.

Software Version number: 1.2.0.43

Release Date: 22 October 2020

Updates:

1. Added Reference Power Calibrator API's in API tool as well as Server.

Software Version number: 1.2.0.42

Release Date: 20 October 2020

Bug Fixes:

1. SP-I630: SW gets stuck inbetween while running the testcases

2. SP-I629: Requirement: Packets are not coming as soon as we place the coil While "Place the coil popup "shows
3. SP-I626: Plot: Waveforms are not loading in offline mode
4. SP-I623: X-axis (Time) value shows wrong in Plot
5. Sp-I622: 542: Thermal performance- Memory going ≥ 1 GB after running the test for one hour
6. Sp-I619: TestConfig :Identification and Configuration values are wrong in plot window

Software Version number: 1.2.0.41

Release Date: 15 October 2020

Bug Fixes:

1. SP-I605: Custom mode : configuring packets
2. Removed Auto Connection of Dynamic IP, since if the controller is already occupied with another PC , if we open application of any another PC which previous used Auto connection is creating Problem.
3. SP-I618: Custom mode: Ambient and Coil Temperature waveforms are not seen even though Channels are enabled while running FOD test
4. SP-I616: Custom mode: Not able to send -60 CE packet
5. Plot updating after 8 sec issue fixed.
6. SP-I615: Custom mode :dropdown icon not aligned properly in 24 bit Received Power packet(0x31)
7. SP-I614: Custom mode:drop down field having extra blank space under the 24 bit RP packets and FOD Status packet
8. Sp-I613: custom mode:Text Alignment issue in Time Parameters column
9. Sp-I612: Custom mode:scrollbar alignment issue in packets sequence
10. SP-I610: Custom mode:plot window is moving while clicking the send Instant Packets button
11. Sp-I608: ConnectionSetup panel:icon alignment is not proper in ip address textbox
12. SP-I607 : Custom mode:packets details popup window should be displayed in left side
13. SP-I607: Custom mode : configuring packets
14. SP-I600: TestConfig Panel:Validation Methods label and Radio button text having very less spacing
15. SP-I599: TestConfig panel:Get Temperature button padding alignment is not proper
16. SP-I598: Requirement - Need to remove nano sec from the html report.
17. SP-I595: 5.3.2.1: Observed Control error packets
18. SP-I575: Qi-Exerciser: If we save the trace file using save trace file button its not loading again.

Software Version number: 1.2.0.40

Release Date: 13 October 2020

Updates:

1. UI Exerciser mode Alignment issues fixed.
2. If we Add any packet into the sequence given alert message states that not yet configured.
3. Fixed to display packets if we force stop test execution button.
4. Updated Software to start exerciser mode even after configuring packets.
5. SP-I593: Sometimes observed unexpected error in status window.
6. SP-I603: Custom mode: some Text format having issue
7. Sp-I604: When we are running automation tests if we refresh the browser test results tab is clearing
8. SP-I596: Custom mode: default Sequence packets are overlapping with send Instant packet
9. SP-I 583: UI: C3 serial number mismatch in Board and display
10. SP-I 589: Custom Mode:Requirement-Add (ms) milliseconds unit for t_start,t_wake and t_silent,t_Received,t_control,t_charge

Software Version number: 1.2.0.39

Release Date: 12 October 2020

Bugs:

1. Updated FOD test cases for V1.3
2. Fixed reports saving issue if we Run multiple MOIs

Software Version number: 1.2.0.38

Release Date: 7 October 2020

Updates:

1. Added new APIs for preamble change and checksum change in Run time packets.

Bug Fixes:

1. Fixed 559

Software Version number: 1.2.0.37

Release Date: 7 October 2020

Updates :

1. Added API Provision to get only SS packets
2. Added API provision to eliminate Object detect and remove packets.

Bug Fixes:

1. Handled huge number of packets to decode from backend server.
2. Added pop-up in case of Read FRAM fail

Software Version number: 1.2.0.36

Release Date: 5 October 2020

Bug Fixes:

1. Packets updating first compared to plot
2. Improved SW performance
3. Added Dynamic Debug logger values update.
4. Updated decimal values to Thermomux

Software Version number: 1.2.0.35

Release Date: 1 October 2020

Bug Fixes:

1. Fixed 5.3.3.2 Validation if packet is there validating for SS packet to detach
2. Updated total subtest cases text in report.
3. Removed packets separate log , since it is taking time.

Software Version number: 1.2.0.34

Release Date: 30 September 2020

Key Updates:

1. Qi Packets Dynamic Poling to UI for Application enhancement.
2. Enhancements of QI-packets on Exerciser Mode.
3. Send Instant packets in exerciser mode.
4. Updated V.1.3 test cases based on RC3 Draft3 spec.

Software Version number: 1.2.0.33

Release Date: 24 September 2020

Key Updates:

1. Browser memory leakage issue Fix.

Software Version number: 1.2.0.32

Release Date: 23 September 2020

Key Updates:

1. Ui fix for dynamic QI packets poling in case of minimize case.

Software Version number: 1.2.0.31

Release Date: 22 September 2020

Key Updates:

5. Qi Packets Dynamic Poling to UI for Application enhancement.
6. Enhancements of Exerciser Mode.
7. Send Instant packets in exerciser mode.
8. Updated V.1.3 test cases based on RC3 Draft3 spec.

Issues Fixed:

1. SP-I479 : Plot: Packet glitches are not visible clearly
2. SP-I381: Ambient and Coil temperature channels still enabled if we run any other test after FOD test
3. SP-I482: Browser is hung with the message "page is not found" when all tests kept together - BPP tests. And observed while clicking on Configure button in Qi exerciser panel
4. SP-I487: popups are showing eventhough test execution finishes, if we try to click on the test case/play around with plot,
5. SPI-I480: Signal Strength value shows zero always while running any test
6. SP-I486: Test status/status is not showing while running testcases
7. SP-I485: 541- Validation wrong
8. SP-I506: Qi-Exerciser:could not able to edit the t_silent time for all the packet configuration
9. SP-I492: Even though Digital Ping option selected DUT is entering into PT phase
10. Sp-I494: API tool: Values are changing in "setload in ohm" button after switching to "Setload in mA" button and comeback to setload in ohm button
11. 511 - Custom mode : Timing parameters not updating while changing packet phase
12. 493 - Custom mode: If we modify the payload of individual packets it is effecting other packet payload
13. 484 - Custom mode : Expected packet sequence not found in protocol

Known Issues:

1. SP-I489: Eventhough browser is refreshed, signal plot shows still which ran previously
2. SP-I500: Packet trace mapping is not happening when we click on test case

Software Version number: 1.2.0.30

Release Date: 14 September 2020

Key Updates:

1. Updated Exerciser mode with new UI components
2. Added packets payload fields in exerciser mode in behalf of raw data update.
3. Updated V.1.3 test cases based on RC3 Draft3 spec.

Software Version number: 1.2.0.27

Release Date: 10 August 2020

Issues Fixed:

1. Updated latest Fw files

Software Version number: 1.2.0.26

Release Date: 06 August 2020

Issues Fixed:

1. SP-417 : Test execution is not stopping if we run the tests using Manual mode using scope option
2. SP-414: Optimum position: Values are not updating when we move the coil in different positions
3. SP-408: Qi-Excersiser panel: Change the Packet Phase as Negotiation Phase if Negotiation packets are selected From list
4. SP-404: Optimum position: Clear the previous values(Rectified voltage) when user clicks on Get optimum position
5. SP-403: Custom mode: FW is getting hanged
6. SP-401: Custom mode: 5351-16: Test case is not executing as expected
7. SP-398: Custom mode: Twake time was not maintained 40ms while executing 5324 series
8. SP397: 5.3.3.4_13a: TPR_Set timing measured wrongly
9. SP 396: Custom Mode: Test is not executing as expected when we try to run 5323 BPP test
10. Fixed: Coil Volt "Edit configuration is not working". Make the threshold volt as constant with respect to coil type instead of editable.
11. Fixed: please add the "start streamer" option in Qi confiuration panel.

Software Version number: 1.2.0.25

Release Date: 24 July 2020

Key Updates:

1. Fixed Timing issues in Custom mode.

Software Version number: 1.2.0.24

Release Date: 23 July 2020

Key Updates:

2. Fixed RLoad Decoding in FW assertion message.
3. Fixed Coil modulation in Custom mode

Software Version number: 1.2.0.23

Release Date: 21 July 2020

Key Updates:

4. Fixed Ping API.

Software Version number: 1.2.0.22

Release Date: 20 July 2020

Key Updates:

5. Added Received power value API.
6. Added time duration feature for FOD test cases.

7. Updated Rectified Voltages along with Signal Strength Values in Get optimum coil position feature.

Software Version number: 1.2.0.21

Release Date: 16 July 2020

Key Updates:

1. Added C3 Scripts to run custom mode[Beta release, needs to add few more scripts]
2. Updated UI
 - a. Added plot and signal window in Exerciser mode.
 - b. Moved Plot controls to down with transparency
 - c. Updated Signal strength to gauge meter in behalf of string for more user friendly.
3. Total test cases implemented from V1.3 is 502 out of 668 test cases.
 1. Ping phase tests: (81/81)
 2. Configuration Phase tests: (163/163)
 3. Power Transfer tests: (69/180)
 4. Negotiation tests: (155/160)
 5. Connected Load tests: (18/23)
 6. Disconnected Load tests: (7/7)
 7. User interface tests: (6/6)
 8. Thermal tests: (2/2)
 9. Load Modulation tests: (0/2)
 10. Mechanical tests: (1/1)
 11. Pre-Power tests: (0/9)
 12. In-Power tests: (0/34)
4. Fixed FOD test cases for manual execution.
5. Integrated Pico Scope application.

Software Version number: 1.2.0.20

Release Date: 02 July 2020

Key Updates:

1. Added C3 Scripts to run custom mode[Beta release, needs to add few more scripts]
2. Updated UI
 - a. Added plot and signal window in Exerciser mode.
 - b. Added filter icon on QI packets tab
 - c. Updated Signal strength to gauge meter in behalf of string for more user friendly.
 - d. Moved plot controls from top of the panel to appropriate signal window with 10% transparency.
3. Total test cases implemented from V1.3 is 500 out of 668 test cases.
 1. Ping phase tests: (81/81)
 2. Configuration Phase tests: (163/163)

3. Power Transfer tests: (69/180)
 4. Negotiation tests: (155/160)
 5. Connected Load tests: (18/23)
 6. Disconnected Load tests: (7/7)
 7. User interface tests: (6/6)
 8. Thermal tests: (0/2)
 9. Load Modulation tests: (0/2)
 10. Mechanical tests: (1/1)
 11. Pre-Power tests: (0/9)
 12. In-Power tests: (0/34)
4. Fixed FOD test cases for manual execution.
 5. Integrated Pico Scope application.

Software Version number: 1.2.0.16

Release Date: 19 June 2020

Key Updates:

1. Added Feature to select multi packets in filter.
2. Updated Filter icon in behalf of ComboBox.
3. Updated 1.3 Neg phase test cases
4. Total test cases implemented from V1.3 is 447 out of 668 test cases.
 1. Ping phase tests: (81/81)
 2. Configuration Phase tests: (163/163)
 3. Power Transfer tests: (47/180)
 4. Negotiation tests: (125/160)
 5. Connected Load tests: (18/23)
 6. Disconnected Load tests: (7/7)
 7. User interface tests: (6/6)
 8. Thermal tests: (0/2)
 9. Load Modulation tests: (0/2)
 10. Mechanical tests: (0/1)
 11. Pre-Power tests: (0/9)
 12. In-Power tests: (0/34)
5. Added Feature to delete individual packet from table in exerciser mode.

Bugs Fix:

1. SW UI is getting hanged if we send any Packet seq for the first time..(Works only after browser refresh each time)- Bug no:279
2. Even though if we configure one ID packet, in sequence we are sending it twice- Bug no:283

3. Get data button is not working, If we click on Get data button , show the msg if thermologger is not connected. bug no:280
4. Start Test case Button is not working in FOD Manual Run tab- Bug No: 278

Software Version number: 1.2.0.15

Release Date: 06 June 2020

Key Updates:

1. API : read values bug Fixed.
2. Fixed Force stop issue in case if controller lost communication in middle of test cases.
3. Fixed issue Packets are not loading after test execution when 531 along with 5331 series is selected and ran.

Software Version number: 1.2.0.14

Release Date: 27 May 2020

Key Updates:

4. Fixed API StartStreamer bug and added new API files

Software Version number: 1.2.0.13

Release Date: 26 May 2020

Key Updates:

1. Implemented API library[beta release] and testing tool, integrated in part of 1.2.0.13 release.
2. Added Filter option with QI Packets also for easy analyses of test cases.
3. Added Signal Strength Value as an Assertion message along with QI packets, for finding optimum position.
4. Updated Software to find optimum position.
5. Total test cases implemented from V1.3 is 447 out of 668 test cases.
 1. Ping phase tests: (81/81)
 2. Configuration Phase tests: (163/163)
 3. Power Transfer tests: (47/180)
 4. Negotiation tests: (125/160)
 5. Connected Load tests: (18/23)
 6. Disconnected Load tests: (7/7)
 7. User interface tests: (6/6)
 8. Thermal tests: (0/2)
 9. Load Modulation tests: (0/2)
 10. Mechanical tests: (0/1)
 11. Pre-Power tests: (0/9)
 12. In-Power tests: (0/34)

Bugs fixed:

1. SP206- 7.1.2: Plot is not appropriate when cursors are enabled

2. SP214 -[Browser_App]: After test execution if we click on connection button SW version is changing from 1.2.0.7 to 1.2.0.4
3. SP203- [Browser_app]: Showing wrong warning description under Firmware version tab
4. SP202- [Browser_app]: Reports are not getting saved in report folder if we try to stop the execution in between
5. SP-199- [BrowserApp]:Requirement: Please provide Automatic FW and eload Update feature
6. Sp217- [Plot_Issue]: Not able to load trace file in offline mode
7. Plot Synchronization
8. If we stop the test inbetween the execution, packets are not showing
9. Packet and plot synchronization is not there

Software Version number: 1.2.0.11

Release Date: 14 May 2020

Key Updates:

1. Custom mode with options like change in Payload, Checksum and Preamble are added.

Software Version number: 1.2.0.10

Release Date: 07 May 2020

Key Updates:

1. Implemented all UI changes based on Teams feedback.
2. Plot synchronization issue fixed.
3. Updated Status window for Couple of test cases upto 5.3.51 and based on feedback from testing we will update further.
4. Auto-closing of place the coil and remove coil is update in this release.

Issues Resolved:

1. SP-206: 7.1.2: Plot is not appropriate when cursors are enabled.
2. SP-207: 7.2.8 : Ext field bit in ID packet is set to 0.
3. SP-210: 7.1.3: ADT/2e -PTX.CPX.PNG.S01.003.015 & PTX.CPX.PNG.S01.003.016 - Sending ADT packet with only one byte instead of 2/3/4 bytes
4. SP-214: [Browser_App]: After test execution if we click on connection button SW version is changing from 1.2.0.7 to 1.2.0.4.
5. SP-215: 7.2.5: Verification of ID Packet: Validation issue.
6. SP-227: 7.2.15_002 : Specific request packet timing shows different.
7. SP-232: {Power Transfer Phase}: 7.4.1_Series: Even though default configuration limit is not maintained we are passing the test case.
8. SP-233: 7.4.2_012: Not able to run the test case.
9. SP-234: 7.4.3: Even though tinterval is maintained properly we are failing the test case.

10. SP-235: 7.4.5_002 & _006: Test case is getting INCOMPLETE with wrong description.
11. SP-244: 7.2.11_30 : Extended identification packet is going with only 1 byte.
12. SP-245: 7.2.8_19 : Proprietary packet is going with only 1byte instead of 2 bytes.
13. SP-246: Updating the previous testcase result after next testcase popup shown.
14. SP203- [Browser_app]: Showing wrong warning description under Firmware version tab.
15. SP202- [Browser_app]: Reports are not getting saved in report folder if we try to stop the execution in between.
16. SP-199- [BrowserApp]:Requirement: Please provide Automatic FW and eload Update feature.
17. SP-217- [Plot_Issue]: Not able to load trace file in offline mode.
18. Plot Synchronization.
19. If we stop the test inbetween the execution, packets are not showing.
20. Packet and plot synchronization is not there.

Note: Integrated Testcase details

1. Ping phase tests: (81/81)
2. Configuration Phase tests: (163/163)
3. Power Transfer tests: (44/180) [69 only available]
4. Negotiation tests: (110/160) [152 only available]
5. Connected Load tests: (18/23)
6. Disconnected Load tests: (7/7)
7. User interface tests: (6/6)
8. Thermal tests: (0/2)
9. Load Modulation tests: (0/2)
10. Mechanical tests: (0/1)
11. Pre-Power tests: (0/9)
12. In-Power tests: (0/34)

Software Version number: 1.2.0.9

Release Date: 18 Apr 2020

Key Updates:

1. Custom Mode with Packet Sequence, Coil Modulation and Set Load.

Software Version number: 1.2.0.8

Release Date: 15 Apr 2020

Key Updates:

1. Plot synchronization.
2. Report issues.

Issues resolved

1. SP-218: 7.2.6 series: ID Packet is not initiated.
2. SP-215: 7.2.5: Verification of ID Packet: Validation issue.
3. SP-231: 7.1.3_044 to 7.1.3_047: After test execution traces are not saving
4. SP-230: 7.1.2 series: Observed Even though measured T_terminate was more than limit we are passing the test case.
5. SP-229: 7.1.2: Observed when we are running, showing Coil temperature and Ambient temperature labels in plot.
6. SP-226: 7.2.11_014, 015,027: Validation issue.
7. SP-225: 7.2.19_PTX.CPX.CFG.S05.003.005 to 010: Test cases are not executing.
8. SP-224: 7.2.19_PTX.CPX.CFG.S05.003.004 & 007: Validation issue: Even though T_terminate value exceeds the limit we are passing the test case.
9. SP-223: 7.2.13. Not able to run the test case.
10. SP-222: 7.2.11_TEST.PTX.CPX.CFG.S04.007.002: Even though test case is passing we are updating test case as fail.

Software Version number: 1.2.0.7

Release Date: 04 Apr 2020

Key Updates:

1. Integrated Testcases with respect to Version_1.3 Draft 4 (No of new testcases integrated: (113)).
2. Software is hanging while force stop in between execution is resolved.

Issues resolved

1. SP-205:7.2.1: Measuring T_terminate wrongly in Software Version number: 1.2.0.6.
2. SP-208: 7.1.3: PTX.CPX.PNG.S01.003.001: Even though Auxiliary Data Transport packet with odd data is sent we are failing the test case with wrong description.
3. SP-209: 7.1.3: PTX.CPX.PNG.S01.003.011 - Test shows incomplete even though Proprietary packet is present.
4. SP-211: 7.2.3-if we run all tests together, tests are not executing.
5. SP-212: 7.2.3_11: Results are printing two times.
6. SP-189: [Browser App]: Coil Voltage is suddenly raising to 3000-4000V in Plot.

Release Date: 31 Mar 2020

Key Updates:

1. Integrated Testcases with respect to Version_1.3 Draft 4 (No of testcases integrated: (131)).

Issues resolved

2.SP-197: C3 Browser App: Create all required folders for browser app in C:\GRL\GRL-C3-Browser app folder along with FW files.

Software Version number: 1.2.0.5

Release Date: 13 Mar 2020

Key Updates:

1. Removed inter-connection between Desktop App and Browser application , So that either one application can work independently.
2. Fixed Plot file loading issue after test execution.

Issues resolved:

Browser application:

1. SP-197: C3 Browser App: Create all required folders for browser app in C:\GRL\GRL-C3-Browser app folder along with FW files.
2. SP-182 : [BrowserApp]: During test execution we are not able to see Signal strength packet and Control Error packet values.

Software Version number: 1.2.0.4

Release Date: 02 Mar 2020

Key Updates:

Issues resolved:

Browser application:

1. SP-198: [Browser App] .grltrace file is not getting saved when we run Guaranteed Power Tests with latest FW v1.0.0.47.
2. SP-185 : [Browser App]: HTML report issues.
3. SP-178 : [BrowserApp]: BPP tests: In HTML report we are not updating test result description.

Software Version number: 1.2.0.3

Release Date: 28 Jan 2020

Key Updates:

1. Integrated all channels of Thermocouple.

Issues resolved:

Browser application:

1. SP-184: Some packet information's are missing under packet.
2. SP-183: Stop execution and Skip testcase features are not working.

3. SP-182: During test execution we are not able to see Signal strength packet and Control Error packet values.
4. SP -179: Please give provision to close the Download File Tab in Report Panel.
5. SP -177: Please remove EPP test cases list from BPP V1.2.4 menu in test config panel.

Software Version number: 1.2.0.2

Release Date: 14 Jan 2020

Key Updates:

1. Thermocouple TC-08 is integrated.
2. Testcases based on MOI selection.
3. Setup diagram for C3.

Software Version number: 1.2.0.1

Release Date: 10 Jan 2020

Key Updates:

1. Changed C3 image in behalf of C2 in plot.
2. Fixed reports saving and offline loading waveforms.

Software Version number: 1.2.0.0

Release Date: 4 Dec 2019

Key Updates:

1. Initial Version of C3 Browser App.