

# **8100 Mobile Device Test System**

AT&T Test Suites

Location Test System Package Revision A38

*System Release Summary*

## **AT&T Test Suites LTS**

### **Package Revision A38 – System Release Summary**

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# Overview

This document describes the new features, enhancements, and fixes included in AT&T Test Suites Location Test Solution (LTS) package revision A38 and provides the installation instructions.

#### NOTE:

These test suites are compatible with:

- Spirent LTS version 13.0
- Spirent LTS Q750 version 4.0

This document is available on the Spirent Customer Service Center website:

<http://support.spirent.com>.

# New Features

This release introduces the following new features:

- Compliance to AT&T 10776 v19.3
- Support for the AT&T A-Galileo test pack (LTS v13.0 and LTS Q750 v4.0).  
The following AT&T 37.571-1 Subtest 8 Section 7 All CP & UP test cases have been added:
  - LTE-BTR-1-8671
  - LTE-BTR-1-8672
  - LTE-BTR-1-8673
  - LTE-BTR-1-8674
  - LTE-BTR-1-8891
  - LTE-BTR-1-8892
  - LTE-BTR-1-8893
  - LTE-BTR-1-8894
  - LTE-BTR-1-8895
  - LTE-BTR-1-8896
- Support for the AT&T Advanced A-Galileo test pack (LTS v13.0 and LTS Q750 v4.0).  
The following test cases have been added:
  - LTE-BTR-1-8897
  - LTE-BTR-1-8898
  - LTE-BTR-1-8899
  - LTE-BTR-1-8969
  - LTE-BTR-1-8971

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- Added the following AT&T RPS test cases (LTS v13.0 and LTS Q750 v4.0):
  - LTE-BTR-1-5191-2
  - LTE-BTR-1-5192-2
  - LTE-BTR-1-5193-2
  - LTE-BTR-1-5194-2
  - LTE-BTR-1-5196-2
  - LTE-BTR-1-5197-2
  - LTE-BTR-1-5200-2
  - LTE-BTR-1-5215-2
- Added the following AT&T E911 VoWiFi test cases (LTS Q750 v4.0):
  - LTE-BTR-1-8917 Regular Settings
  - LTE-BTR-1-8917 Quick Settings
  - LTE-BTR-1-8927

#### NOTE:

The following licenses are required for the new test cases added in this release:

- AT&T Advanced A-Galileo: LTS\_LTE\_AGAL\_ADV\_PERF\_ATT
- AT&T A-Galileo: LTS\_LTE\_AGAL\_PERF\_ATT

## Enhancements and Fixes

The following enhancements and fixes have been made in this release.

Module	Issue Description
LTS	WLLBS-5193: Removed following test cases: <ul style="list-style-type: none"><li>▪ ATT WCDMA/LTE R&amp;P SEATTLE Test Points</li><li>▪ ATT SUPL2.0 Reliability Test - WCDMA v1.7.7</li></ul>
LTS	1413571: [ATT-VoLTE 911] LTE-BTR-1-5367 SIP Headers: According to RFC 3261, the display name, which is in the FROM header, is optional.

## System Requirements

AT&T test suites LTS package revision A38 runs on the following systems:

- Spirent 8100 Mobile Device Test System LTS version 13.0. For more information, see *Spirent 8100 Mobile Device Test System Location Test System Module Version 13.0 System Release Summary*, 71-008703, Version A0.
- Spirent 8100 Mobile Device Test System LTS Q750 version 4.0. For more information, see *Spirent 8100 Mobile Device Test System Location Test System Q750 Platform Version 4.0 System Release Summary*, 71-008705, Version A0.

## Prerequisites

Before installing the test suites, make sure you have a 2GB external USB drive to which you will download the test suites installer from the Spirent Customer Service Center.

## Software Download Instructions

To download the test suites, perform the following steps:

1. Connect the external 2 GB USB drive to your PC.
2. Log into the Spirent Customer Service Center website at <http://support.spirent.com> using the e-mail address and password assigned to you by Spirent.
3. On the Customer Service Center page, click the **Downloads** tab.  
The Spirent Downloads page appears.
4. From the Release Type box, select **Controlled Release**.
5. From the Product Line box, select **8100 Test Packs**.
6. In the Categories area, check the **AT&T** check box.
7. Download the following software:  
**ATT LTS Test Suites, Controlled Release, vA38 for Windows**
8. Using Windows Explorer, extract the zipped file to the external USB drive.
9. When you are finished extracting the files, disconnect the external USB drive from your PC.
10. Perform one of the following steps:
  - If you want to install the test suites for an **LTS B-Series system** (LTS v13.0), go to the section “LTS B-Series Installation Instructions” on page 7.
  - If you want to install the test suites for an **LTS Q-Series system** (LTS Q750 v4.0), go to the section “LTS Q-Series Installation Instructions” on page 9.

## LTS B-Series Installation Instructions

Perform the following steps to install the test suites for an **LTS B-Series system** (LTS v13.0):

1. Make sure the 8100 LTS Version 13.0 software personality is activated on the SC10.
2. Connect the external 2GB USB drive to an available USB 2.0 port on the SC10.
3. Copy the folder containing the AT&T test suites (**ATT LTS Test Suite vA38**) on USB drive to the D: drive on the Controller PC.
4. On the Controller PC, make sure TestDrive LTS is not running.
5. Using Windows Explorer, go to the folder **D:\ATT LTS Test Suite vA38\B SERIES**.
6. Double-click on the file **setup.exe**.

The Spirent License Agreement dialog box appears.

7. Read the license agreement, and click the **Accept** button if you agree to the terms of the license agreement.

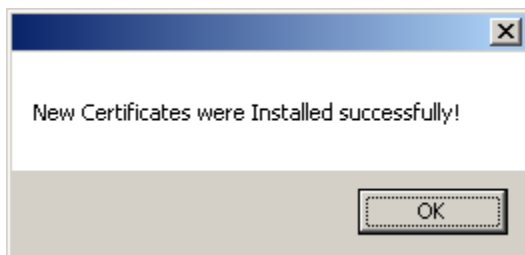
The selected test suites and required components are installed.

8. Click the **No** button in the following InstallShield Self-extracting EXE dialog box to prevent the HASP device driver installation.



**Figure 1.** InstallShield Self-extracting EXE dialog box.

9. Click the **OK** button in the following message box indicating that new certificates were installed successfully.



**Figure 2.** New certificates installed message box.

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At the end of the installation a command prompt window appears, and ATT SUPL2.0 Reliability Test - WCDMA v1.7.7 is uninstalled. When this process is complete, the command prompt window closes automatically.

When the installation is complete, the Installation Summary window appears.

10. Close the Installation Summary window.



## LTS Q-Series Installation Instructions

Perform the following steps to install the test suites for an **LTS Q-Series system** (LTS Q750 v4.0):

1. Make sure the 8100 LTS Version 4.0 software personality is activated on the SC10.
2. Connect the external 2GB USB drive to one of the USB ports located next to the monitor port on the SC10.

**NOTE:**

The SC10 provides two columns of USB ports to the right of the monitor port. The left column of USB ports is assigned to Controller PC1. The right column of USB ports is assigned to Controller PC2. Connect the USB drive to a USB port in the left column.

3. Access Controller PC1 on the SC10.
4. Copy the folder containing the AT&T test suites (**ATT LTS Test Suite vA38**) on the USB drive to the D: drive on Controller PC1.
5. Make sure TestDrive LTS is not running.
6. Go to the folder **D:\ATT LTS Test Suite vA38\Q SERIES**.
7. Double-click on the file **setup.exe**.

The Spirent License Agreement dialog box appears.

8. Read the license agreement, and click the **Accept** button if you agree to the terms of the license agreement.

The selected test suites and required components are installed.

9. Click the **No** button in the following InstallShield Self-extracting EXE dialog box to prevent the HASP device driver installation.

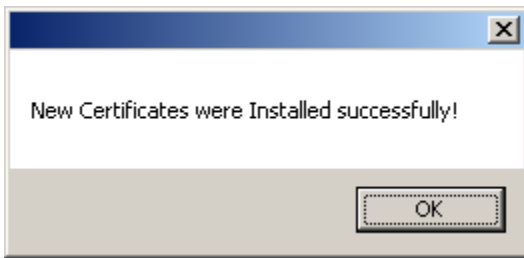


**Figure 3.** InstallShield Self-extracting EXE dialog box.

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10. Click the **OK** button in the following message box indicating that new certificates were installed successfully.



**Figure 4.** New certificates installed message box.

When the installation is complete, the Installation Summary window appears.

11. Close the Installation Summary window.
12. Disconnect the USB drive, and then connect the USB drive to a USB port in the right column of USB ports on the SC10.
13. Access Controller PC2 on the SC10.
14. Copy the folder containing the AT&T test suites (**ATT LTS Test Suite vA38**) on the USB drive to the D: drive on Controller PC2.
15. Make sure TestDrive LTS is not running.
16. Go to the folder **D:\ATT LTS Test Suite vA38\Q SERIES**.
17. Double-click on the file **setup.exe**.

The Spirent License Agreement dialog box appears.

18. Read the license agreement, and click the **Accept** button if you agree to the terms of the license agreement.

The selected test suites and required components are installed.

19. Click the **No** button in the following InstallShield Self-extracting EXE dialog box to prevent the HASP device driver installation.

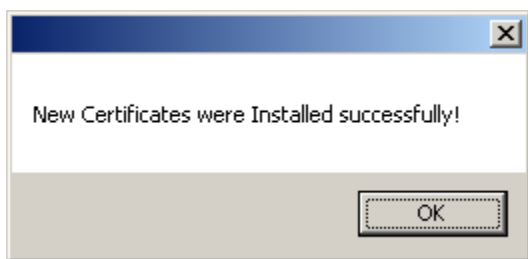


**Figure 5.** InstallShield Self-extracting EXE dialog box.

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20. Click the **OK** button in the following message box indicating that new certificates were installed successfully.



**Figure 6.** New certificates installed message box.

When the installation is complete, the Installation Summary window appears.

21. Close the Installation Summary window.
22. On the Controller PC2 desktop, select **Start > All Programs > Accessories > Remote Desktop Connection**.

The Remote Desktop Connection window appears.

23. In the Computer box, enter the IP address of the Application Server (**192.168.0.70**).
24. Click the **Options** button.

The User name box and tabs appear in the Remote Desktop Connection window.

25. In the User name box, type **spirent**.
26. Click the **Local Resources** tab.

The Local Resources tab appears.

27. In the Local devices and resources area, click the **More** button.

The Local devices and resources dialog box appears.

28. Select (check) the **Drives** check box, and then click the **OK** button.
29. In the Remote Desktop Connection window, click the **Connect** button.

30. If a Remote Desktop Connection dialog box appears asking if you trust this remote connection, click the **Connect** button.

The Windows Security dialog box appears.

31. In the Password box, type **Sp!rent** and click the **OK** button.
32. If a Remote Desktop Connection dialog box appears stating that the identity of the remote computer cannot be verified, click the **Yes** button.

The Application Server desktop appears.

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33. Open Windows Explorer and go to the folder **ATT LTS Test Suite vA38\Q SERIES** on the USB drive.
34. Select the file **ProxyConfig-NetworkConfig2-auth-ipsec-1800.xml**.
35. Copy the selected file to the folder  
**C:\Spirent\ProLab\ProLab Manager\SipServerControl\Config**.
36. Select **Start > Log off** to end the remote desktop session to the Application Server.

## Documentation

The following tables list the documentation related to 8100 Mobile Device Test System LTS version 13.0 and 8100 Mobile Device Test System LTS Q750 version 4.0. You can access these documents from the Spirent Customer Service Center website:

<http://support.spirent.com>.

LTS Version 13.0 Document	Part Number
<i>Spirent 8100 Mobile Device Test System Location Test System Module Version 13.0 System Release Summary</i>	71-008703, Version A0
<i>Spirent 8100 Mobile Device Test System Location Test System Module Version 13.0 System Deployment Instructions</i>	71-008704, Version A0

LTS Q750 Version 4.0 Document	Part Number
<i>Spirent 8100 Mobile Device Test System Location Test System Q750 Platform Version 4.0 System Release Summary</i>	71-008705, Version A0
<i>Spirent 8100 Mobile Device Test System Location Test System Q750 Platform Version 4.0 System Deployment Instructions</i>	71-008706, Version A0

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# How to Contact Us

To obtain technical support for any Spirent Communications product, please contact our Support Services department using any of the following methods:

#### Americas

E-mail: [support@spirent.com](mailto:support@spirent.com)

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Toll Free: +1 800-SPIRENT (+1 800-774-7368) (North America)

Hours: Monday through Friday, 05:30 to 18:00 Pacific Time

#### Europe, Africa, Middle East

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Web: <http://support.spirent.com>

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Toll Free Phone: +1 818-676-2616

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Information about Spirent Communications and its products and services can be found on the main company website at <http://www.spirent.com>.

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## Known Issues

This section describes the software-related known issues for the AT&T test suites, the LTS platform, and the LTS Q750 platform.

### Known Issues in the LTS Platform

This section describes the software-related known issues in LTS.

<b>Issue ID</b>	17307
<b>Product</b>	LTS v13.0
<b>Description</b>	The Spirent Positioning Application GUI may crash sometimes when you run a test case with the Positioning Application GUI enabled. If this occurs, the Positioning Application GUI disappears.
<b>Impact</b>	This issue does not impact the current test case and the following test cases. However, you will be unable to access the Positioning Application GUI.
<b>Workaround</b>	Disable the Positioning Application GUI when you run test cases.
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

<b>Issue ID</b>	WLLBS-4914
<b>Product</b>	LTS v13.0
<b>Description</b>	When running EMQuest, an exception occurs if the start power level is set to -125 dBm.
<b>Impact</b>	You are unable to run the test.
<b>Workaround</b>	Set the start power level to -130 dBm.
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

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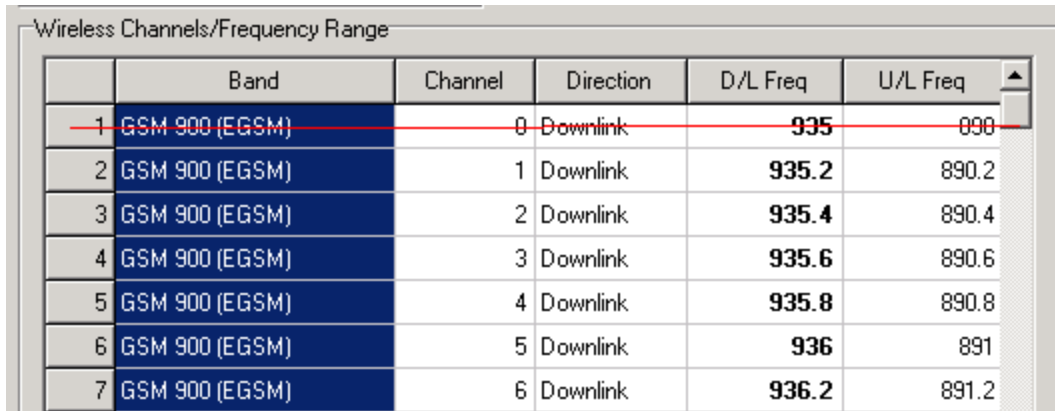
<b>Issue ID</b>	WLLBS-5007
<b>Product</b>	LTS v13.0
<b>Description</b>	If you try to uninstall/install using the global installer on LTS 13.0, a dialog box appears displaying the message <b>Do you want to install HASP drivers?</b>
<b>Impact</b>	None.
<b>Workaround</b>	Click the <b>NO</b> button.
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

<b>Issue ID</b>	WLLBS-5044
<b>Product</b>	LTS v13.0
<b>Description</b>	The Qpoint VM displays the message <b>Errors were found while checking the disk drive for /.</b>
<b>Impact</b>	You are unable to run any Qpoint tests.
<b>Workaround</b>	<p>Perform the following steps:</p> <ol style="list-style-type: none"><li>1. Press the <b>F</b> key on your keyboard.</li><li>2. After the errors are fixed, select <b>8100 Services Management Utility - Chromium</b> from the <b>QEMU</b> menu at the top, left corner of the VM window. The 8100 Services Management Utility appears.</li><li>3. In the 8100 Services Management Utility, click the <b>Tools</b> button. The Tools page appears.</li><li>4. In the 8100 Commands section, click the <b>Commit VM Changes</b> button. The Input Required dialog box appears.</li><li>5. Make sure <b>Qpoint</b> is selected in dropdown list box.</li><li>6. Click the <b>Save</b> button. A dialog box appears prompting you to confirm your action.</li><li>7. Click the <b>OK</b> button. The <b>Operation in Progress</b> message appears. After the changes are saved for the Qpoint VM, the software personality reactivates automatically. The 8100 Services Management Utility window closes, and the Controller PC password window appears.</li></ol>
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

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- **EMQuest OTA:** The EGSM band does not support channel 0 (935 MHz) for the Intermediate Channel Degradation Test, as shown in the following figure.



	Band	Channel	Direction	D/L Freq	U/L Freq
<del>1</del>	<del>GSM 900 (EGSM)</del>	<del>0</del>	<del>Downlink</del>	<del>935</del>	<del>890</del>
2	GSM 900 (EGSM)	1	Downlink	935.2	890.2
3	GSM 900 (EGSM)	2	Downlink	935.4	890.4
4	GSM 900 (EGSM)	3	Downlink	935.6	890.6
5	GSM 900 (EGSM)	4	Downlink	935.8	890.8
6	GSM 900 (EGSM)	5	Downlink	936	891
7	GSM 900 (EGSM)	6	Downlink	936.2	891.2

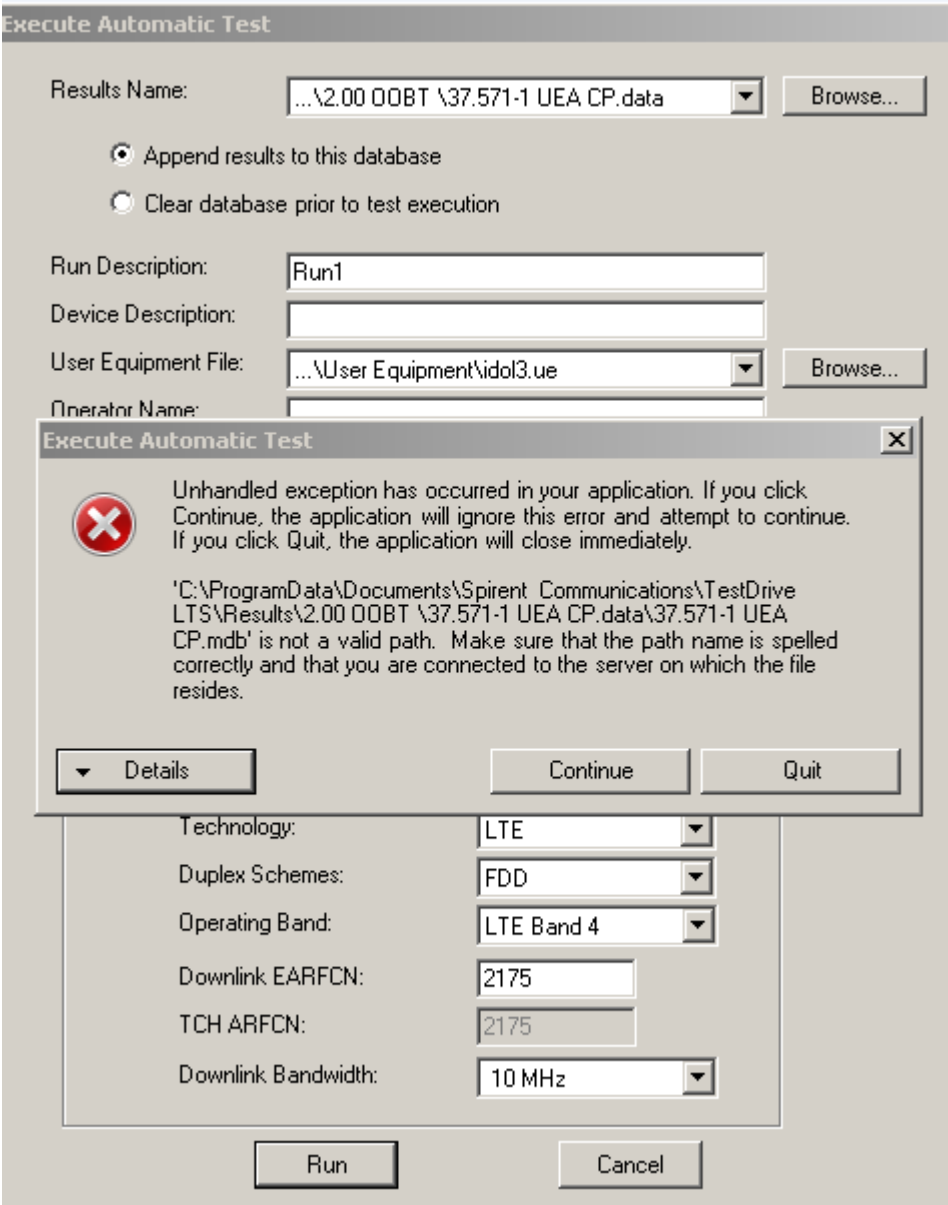
Figure 7. EMQuest OTA.

- **TestDrive OTA:** The EGSM band does not support the Intermediate Channel Degradation Test.
- **All OTA Tests:** Make sure you close the Spirent OTA Application Server application when switching system configurations in TestDrive LTS (for example, when changing from 8100-A750 (OTA) to 8100-B Series (OTA)). Otherwise, the system configuration change will be invalid while the OTA Application Server is running.
- When unloading a test campaign in the TTworkbenchExpress tool, AirAccess HS and Positioning Application may not close. If this occurs, restart TTworkbenchExpress and load the test campaign.
- **SRVCC E911 Tests and CSFB Tests:** You cannot run SRVCC and CSFB test cases after UMTS-related tests. Make sure you refresh the platform configuration or restart TestDrive before running the tests.
- **ALL TTCN Tests:** TTworkbench Dump view does not show the correct RRLP version in the SUPL payload message.
- On a B502 platform with a Spirent GSS6300M and an Agilent 3499A present, the SimGEN engine will crash sometimes. **The Spirent GSS6300M cannot be used with an Agilent 3499A in a B502 system.**

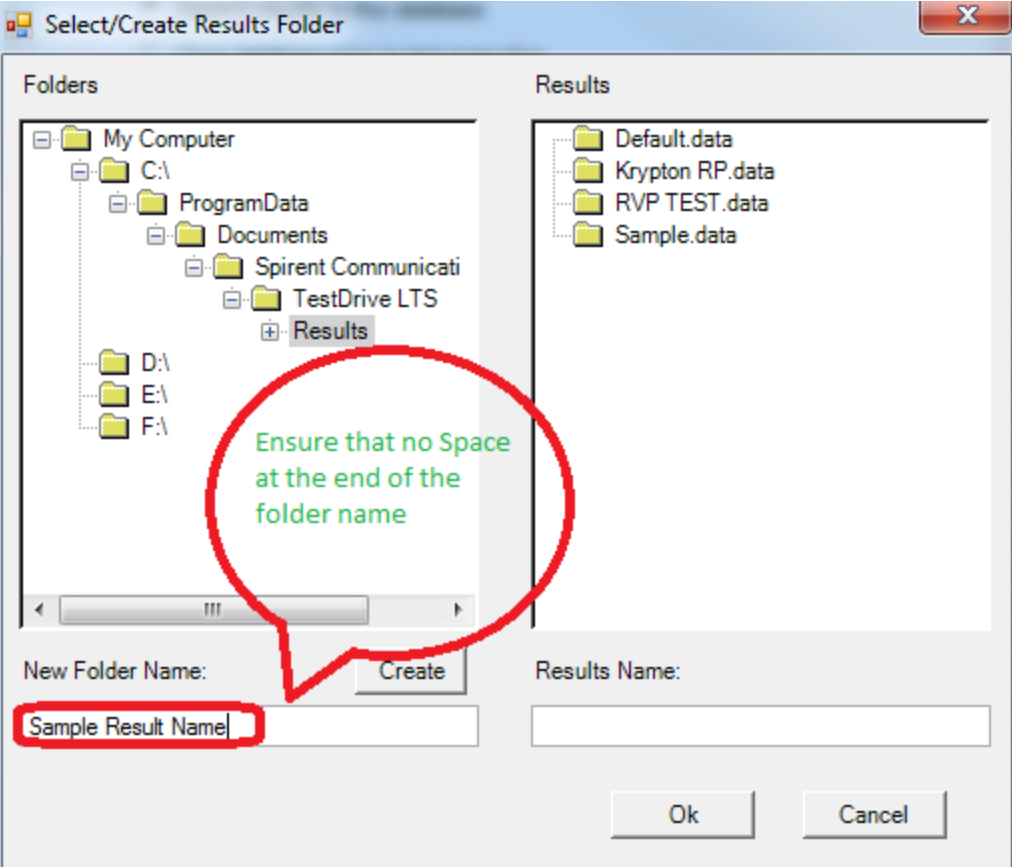


## Known Issues in the LTS Q750 Platform

This section describes the software-related known issues in this release.

<b>Issue ID</b>	17593
<b>Product</b>	LTS Q750 v4.0
<b>Description</b>	<p>The test case failed to run because the “Results Name” is not a valid path.</p> 
<b>Impact</b>	<p>The test case cannot be executed because there is a space at the end of the result folder name. This issue would not impact any test cases if the folder name is correct.</p>

**Figure 8.** Execute Automatic Test dialog box.

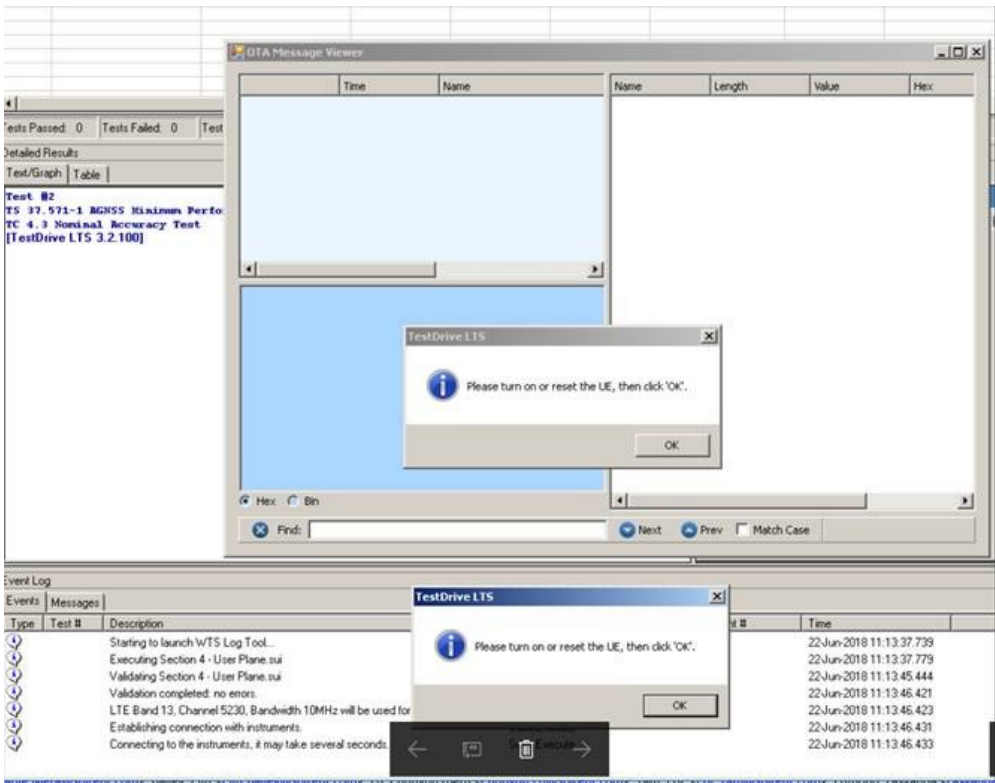
<p><b>Workaround</b></p>	<p>When you create the result folder and result file name, ensure the folder name does NOT include any space at the end of the folder name, as shown in the following figure.</p>  <p><b>Figure 9.</b> Select/Create Results Folder dialog box.</p>
<p><b>Disposition</b></p>	<p>This issue is a limitation of Windows. Ensure the folder name does NOT include any space at the end of the folder name.</p>

<p><b>Issue ID</b></p>	<p>WLLBS-4708</p>
<p><b>Product</b></p>	<p>LTS Q750 4.0</p>
<p><b>Description</b></p>	<p>The Session ID is not logged after every measurement for Spirent Performance BDS test cases when the UE sends an LPP error.</p>
<p><b>Impact</b></p>	<p>This issue occurs only when the UE sends an LPP error.</p>
<p><b>Workaround</b></p>	<p>Make sure the UE sends the correct messages.</p>
<p><b>Disposition</b></p>	<p>Spirent is targeting to fix this issue in a future release.</p>

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<b>Issue ID</b>	WLLBS-5007
<b>Product</b>	LTS Q750 4.0
<b>Description</b>	If you try to uninstall/install using the global installer on LTS Q750 4.0, a dialog box appears displaying the message <b>Do you want to install HASP drivers?</b>
<b>Impact</b>	None.
<b>Workaround</b>	Click the <b>NO</b> button.
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

<b>Issue ID</b>	WLLBS-4283
<b>Product</b>	LTS Q750 v4.0
<b>Description</b>	<p>When TestDrive LTS displays the message "Please turn on or reset the UE, then click Ok," the OTA message viewer is empty (that is, network broadcasted messages are not shown). The TestDrive LTS message is shown in the following figure.</p> 
<b>Impact</b>	This issue does not impact any test cases. It is limited to the GUI.
<b>Workaround</b>	When the message "Please turn on or reset the UE, then click Ok" is displayed, click the <b>OK</b> button. SIB and MIB messages will be displayed.
<b>Disposition</b>	Spirent is targeting to fix this issue in a future release.

**Figure 10.** TestDrive LTS message box.