

XA8723A-02

Modification Recommended Service Note

Supersedes:
NONE

XA8723A IoT Wireless Test Solution Measurement Suite

Serial Numbers: ALL

Manufacturing ID Number: None

The Problem – Current verdict priority set in the XA8723A causing NaN (not a number) measurement results to be flagged as ‘Not Set’ instead of ‘Inconclusive’.

Parts Required:

P/N Description Qty.

N/A

ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	0.5 Hours
LOCATION	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP
	<input type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SCRAP
	<input type="checkbox"/> CHANNEL PARTNERS		<input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	March 01, 2023
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	GM
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	LO

ADDITIONAL INFORMATION:

The XA8723A IoT Signaling Measurement Suite is a plug-in that runs on Keysight KS8400A PathWave Test Automation Platform (TAP) to support the IOT8720A and IOT8740A solutions.

Situation:

This service note covers all the XA8723A IoT Signaling Measurement Suite versions of 1.0.20 and earlier.

The situation will occur when the measurement results is NaN (not a number). As the verdicts within TAP have different priorities, the lower priority verdict will be overridden by a higher priority verdict. Example of the verdict priorities:

Verdict Priorities (from lowest to highest):

1. Not Set (lowest)
2. Passed
3. Inconclusive
4. Fail
5. Error
6. Abort (highest)

The NaN (not a number) results is being handled as Not Set, which is the lowest priority of the verdict. This could lead to some misleading overall results.

Solution/Action:

NaN (not a number) results will be re-classified as “Inconclusive” for a better representation of the overall measurement results. The “Fail”, “Error” or “Abort” will remain to have higher priorities.

Users are recommended to update the XA8723A Measurement Suite software to version 1.1.23 and above which can be obtained from Keysight.com website using the link below:

<https://www.keysight.com/my/en/lib/software-detail/computer-software/xa8722a-iot-soft-front-panel-and-xa8723a-iot-signaling-measureme.html>

NOTES:

1. The XA8723A Measurement Suite version 1.1.23 requires an upgrade on the X8721A firmware to version 0.1.0.111. This can be found in the link below:
<https://www.keysight.com/my/en/lib/software-detail/computer-software/x8721a-firmware-for-iot8720a-and-iot8740a.html>
2. To upgrade the X8721A firmware, follow the steps below:
http://pathwave.doc.keysight.com/XA8722A/Content/IoT_Soft_Front_Panel/HTML/Perform_Firmware_Upgrade.htm
3. The X8721A firmware version 0.1.0.111 is ONLY compatible with:
 - i) XA8722A Soft Front Panel version 1.1.15 and above
 - ii) XA8723A Measurement Suite version 1.1.23 and above
4. The software and firmware versions mentioned above has no backward compatibility to the

older versions of their respective software and firmware releases.

Revision History:

Date	Service Note Revision	Author	Reason for Change
15 Feb 2022	01	LayLim Ong	As Published