Agilent Medalist x6000 1.17 Software Patch Release Notes

The Agilent x6000 software patches are created to correct several issues within previous Agilent x6000 software releases. This patch may also provide a set of enhancements which will change how applications are developed, providing both the ability to generate a more reliable application while also improving the overall user experience. It is strongly recommended that users of the previous 1.xx software releases install this latest patch. This patch is inclusive all previous patches after but not including the full 1.10 software and 1.14 documentation installation, which must be installed separately.

If you feel we are missing anything or would like to make suggestions on how we can improve the software, we would like to hear from you. Please feel free to contact either your local support representative or send an email to emt-hstd-support_americas@agilent.com

Please note that the software patches can be downloaded from the Agilent website at the respective patch web page. The patch web pages are found at www.agilent.com/find/x6000 under Technical Support ➔ Drivers & Software. The patch software download links will not appear unless you have logged into the Agilent web site and have an active Software Update Support agreement.

Highlights

Algorithm improvement for Resistor and Capacitor

Improved the component Misalignment algorithm for both Resistor and Capacitor by adding in new Misalignment Along and Across threshold settings.

Issues Resolved

Problem	Software freezes when Play button is pressed in diagnostics.
Resolution	Software no longer freezes.

Problem	Assert when the hard disk is full.
Resolution	Added in a new parameter setting called "minimumDiskSpaceForTestExecutionInMegabyte" in the software.config.

Problem	Add in needed x-ray source parameters to the hardware.config.
Resolution	The following list of parameters have been added to the hardware.config: 1. legacyXraySourceCathodeToleranceMicroAmps = 3.0 2. legacyXraySourceAnodeToleranceKV = 6.4 3. legacyXraySourceShutdownFocusVolts = 500.0 4. legacyXraySourceShutdownFilamentVolts = 0.1 5. legacyXraySourceAnodeVoltageStabilizationTimeoutSeconds = 60.0 6. legacyXraySourceCathodeCurrentStabilizationTimeoutSeconds = 12.0 7. legacyXraySourceMaxCathodeOffMicroAmps = 11.0

Problem	Extra offset on the cathode current is missing causing 100uA to actually be 97uA at the x-ray tube.
Resolution	Always add an offset of 2.933uA to the "set" value for Cathode Current uA. If set value is zero, this offset if not added.

Problem	"Percent of Diameter To Test" & "Pin Search Distance" in the PTH Measurement algorithm, under Advanced, are confusing.
Resolution	Changed "Percent of Diameter To Test" to "Percent Diameter for Pin Side & Barrel Slices". Changed "Pin Search Distance" to "Percent Diameter for Insertion & Protrusion Slices".