Electromagnetism is our thing

Dear Users,

The 3.20 version of BAT-EMC software represents more than 3000 hours of conception and solves more than 200 bugs, together with more than 500 hours of validation.

BAT-EMC Visu V4

Visu V4: New Emission Test Execution Module

- Max Hold measurement integrated
- Test definition backward compatibility
- Antenna Mast/Turntable Control

New Report Generation:

- Up to 20x faster
- New template tags with more flexibility
- Including emission, immunity and all other type of test

Metrology

New Test Type:

- HVLV CISPR 25 Hybrid
- Metrology measurements performed with a VNA and Oscilloscope.
- Transient Test
- Sensibility Radio Test

Mast and Turntable Control

Other Improvements:

- TDEMI Continuous measurement with spectrogram and real time analyzer
- Save the fault message list.
- Mast and turntable speed control for Emissions Test (Advanced Prescan and Advanced Finals)
- Possibility to control the turntable for the multisensory calibration.
- Reverb: Add MIL-STD Methods
- The manual is updated with each new version

You can find at the end of the document all modifications in this new version.

The validation was made between the 1st of February 2020 to the 15th of April 2020. This validation was done by everybody of the team, as well as the developers:

Sébastien AUROUX, Baptiste CRESPIN, Guy DASSONNEVILLE, Maxime BLIN, Eric ARNOULD, Vincent HELBERT, Simon FROIDEFOND, Hartmut BEYER, Greg GARZA and Sébastien MARTINEAU.

BAT-EMC Team hopes you enjoy the reading.

Validation Procedure

Validating a BAT-EMC new version is not an easy task because:

- BAT-EMC software is highly configurable. Once delivered, users keep setting it up in order to adapt it to their own needs or to their methods evolution.
- BAT-EMC software drives many instruments, more than 350, and we do not have all equipment in our office.

Validation must be done with in three stages:

- An **office validation** (standard configuration without instruments)
- An **office validation** (in our laboratory with a few instruments)
- An **onsite validation** (laboratory configuration with instruments).

Concerning maintenance, NEXIO performs office validation. Onsite validation is charged to customers. NEXIO proposes this validation as an option.

3.20 version office validation has been realized following this procedure:

- Automatic non-regression testing with a validation tool,
- Manual validation of modifications,
- Manual validation of non-regression,
- Documentation verification.

The automatic non-regression testing aims to compare for each new version that the result of its execution and its report has not changed. Therefore, we use:

- A specific validation module that simulates the instruments, automatically continues testing, exports results and creates reports.
- A set of tests and configuration as representative as possible.

The results generated by the new version are compared to those obtained with the previous one.

The goal of that stage is mainly to validate:

-the considering and calculating of the transfer function (Emission and Immunity)

-methods and drivers leveling (Immunity)

-measurement algorithms (Prescan, suspect, finals) (Emission)

-results export

-reports creation

Non-regression manual validation completes the previous one and is used to test BAT-EMC non-automated major functions.

- Publication.
- Copy/paste.
- Creation of project, hardware, set-up, limits, instructions, calibration, tests…
- Standard import.
- Immunity manual mode.
- Backward compatibility of data (opening of project and hardware from the former version with the new one).

Manual validation of modifications is used to individually test all the new version modifications (anomalies or evolutions).

Non-regression automatic validation

This chapter explain the errors found during validation.

Comparison between exports and reports with the previous version is performed separately.

The second part of this document explain the differences if these differences came from a correction or modification of the software.

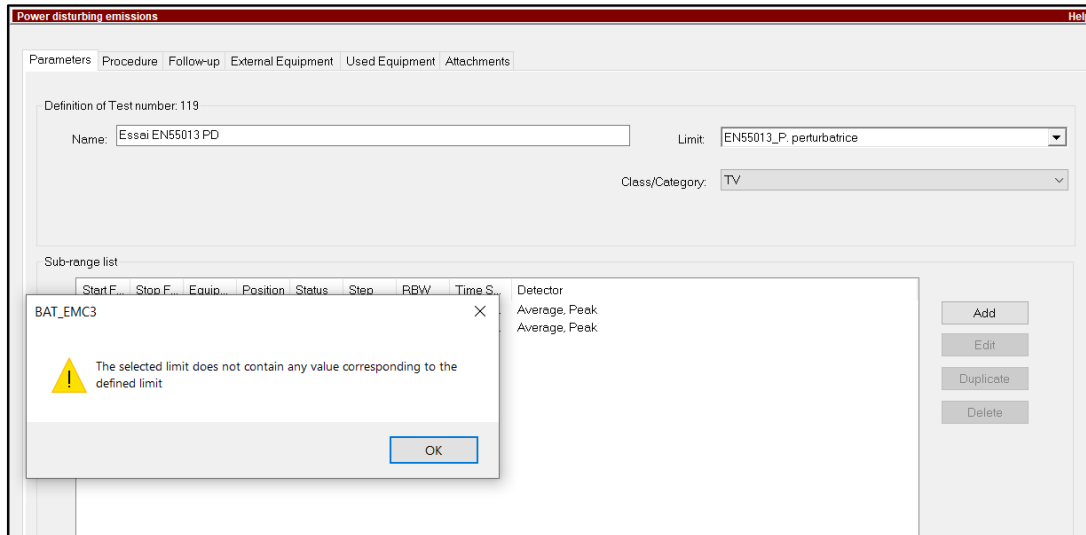# Report

Analysis-Conclusion

Version 3.19.1.18

Add in new version of a display parameter number before decimal point (ticket INC0013666)

Version 3.19.1.19

1/ Power disturbing emissions EN55013 PD

Problem in the database for some time (1 instead of 0 in the limit settings).

2/ Different results between this version and the previous ones (addition of the final 55013 + 55013 RS).

The problem is now resolved.
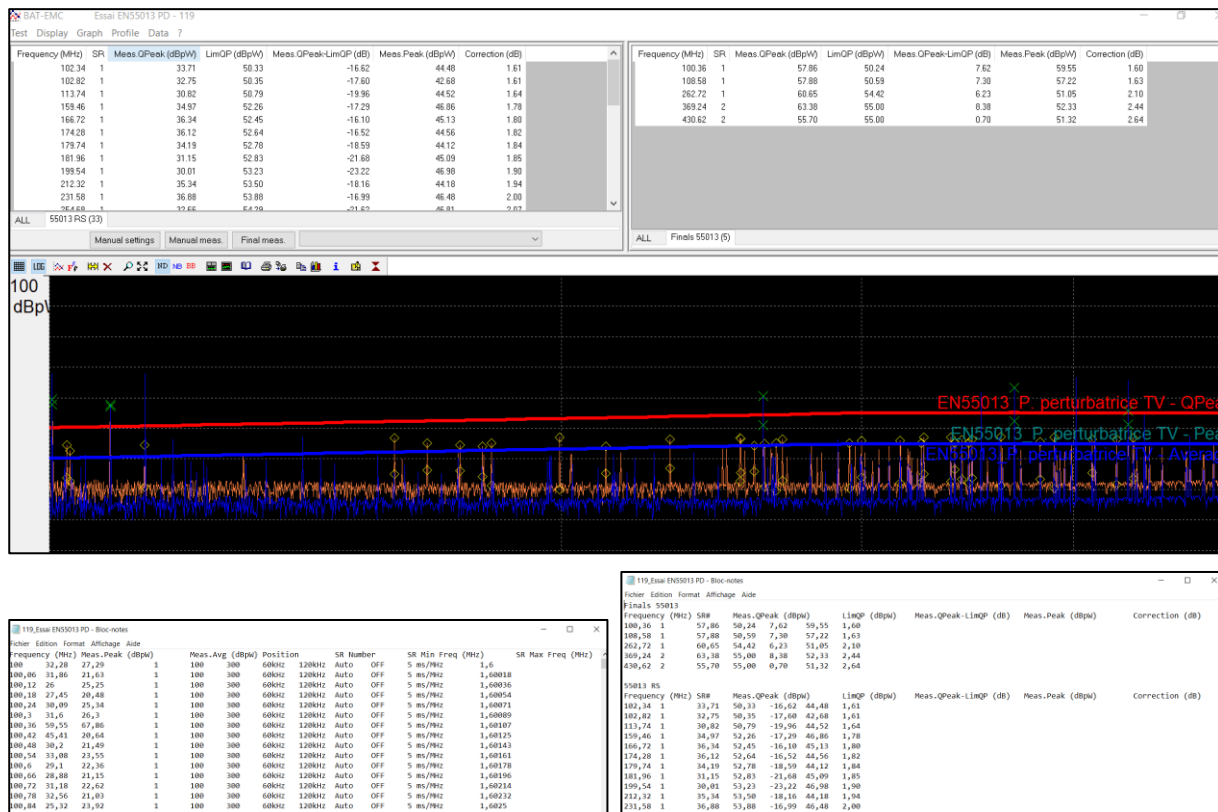
3.19.1.18   3.19.1.19

Manual validation of modifications

Annual validation is applied only on modification which can be tested without any drivers. Modifications regarding drivers are not performed by NEXIO but must be performed by the customer.

Configuration list

BAT-EMC validation report

You can find below the list of evolution included in the 3.20 version.

ID	Module	Summary	Severity	Version
CHG0030380	BAT-EMI By Band	**1292**: Extended Reports. Graph by band group. Management of breaking changes so that the template works with 2 versions. Possibility to make a relative path for sub reports. Activation Aspose InLineErrorMessage in Report Generation	Bug	3.19.1.5
INC0012734	BAT-EMC	The Check ID command does not work on the equipment and returns timeout errors or unterminated query errors. Unicode Issue	Bug	3.19.1.5
CHG0030510	BAT-EMC	Manual Update	Evolution	3.19.1.5
INC0012718	BAT-EMC	Multi-edition issue for test types with no EUT distance (which is the case of the conducted test used in this incident)	Bug	3.19.1.5
INC0012722	BAT-EMC	Problem for AVG 9k measured in AVG 120k	Bug	3.19.1.5
INC0012722	BAT-EMC	Wizard For limits with RBWPeak! = RBWAvg option "Meas. 120k instead of 9k" is not taken into account	Bug	3.19.1.5
INC0012702	BAT-EMC	Wizard problem for antenna base tests	Bug	3.19.1.5
INC0012655	BAT-EMC	The wizard did not work anymore	Bug	3.19.1.5
INC0012715	BAT-EMC	Follow up problem with element required: Prevents validation of the Follow-Up to crash	Bug	3.19.1.5
INC0012717	BAT-EMC	Close button in MaxHold manual measurements window does not work	Bug	3.19.1.5
INC0012719	BAT-EMC	Adding more log to understand runtime executions	Bug	3.19.1.5
INC0012669	BAT-EMC	Possible modification of a read-only project. Consider IsPublished for IsModificable	Bug	3.19.1.5
CHG0030497	BAT-EMC	Add 33511 pulses. Remove MBN & BMW need more informations. Add Standard for PSA & Renault	Bug	3.19.1.5
INC0012578	BAT-ELEC	CI220/230 waveform was not correct. Pulse shape was fixed.	Bug	3.19.1.5
CHG0030480	BAT-SCAN	Modification Driver BAT-Scanner	Evolution	3.19.1.5
INC0012337	BAT-EMC	Change unit sweep time MS2720C	Bug	3.19.1.5
INC0012696	BAT-EMC	Fix multiline copy / paste in the grid of follow up. Fixed bug database creation new 'Exemptions'. Added "copy of ..." when duplicating a test in a folder (emission and immunity). Adding a space after the number of a project for the list of recent projects in the 'Local' menu	Bug	3.19.1.5
INC0012655	BAT-EMC	Display and use of limits are confusing. In the wizard, separation of the Peak and Average columns. Limits with PeakRBW! = AverageRBW are allowed	Bug	3.19.1.5
INC0012627	BAT-IMAGE	If BAT-IMAGE dongle connected in addition to the EMI Automotive with bands dongle, the test does not start. A bug of multi-key in Rockey4ND.cs	Bug	3.19.1.5
INC0012505 INC0012534 INC0012576	BAT-EMC	Deleting the cache during the backup	Bug	3.19.1.5
INC0012679	BAT-SCAN	Bug publish/import BAT-SCAN Test with discrete frequencies	Bug	3.19.1.5
INC0012643	BAT-EMI By Band	The field "name" of the external equipment is in "readonly"	Bug	3.19.1.5

INC0012616	BAT-EMC	Issue displaying the table of suspects in the report	Bug	3.19.1.5
INC0012739	BAT-EMC	Correction link Webex	Bug	3.19.1.6
INC0012750	BAT-EMC	Wizard problem when the limit included a frequency step by default and we ask to measure in 120k instead of 9k. The default frequency step was not taken into account in the wizard. VSTS 1330	Bug	3.19.1.6
INC0012802	BAT-EMC	Used equipment for calibrations CRBM	Bug	3.19.1.6
INC0012778	BAT-EMC	For conducted emmissions, line is misspelled as ligne	Bug	3.19.1.6
INC0012724	BAT-EMC	Bug Import / Extract / Publish if focus on an EMS test	Bug	3.19.1.6
CHG0030517	BAT-EMC	Spurious measurement (Control tool for customer B.)	Bug	3.19.1.6
CHG0030505	BAT-EMC	Change the limit to a test that already has results. Management of the addition of a limit: Association of existing prescans to the new band, Deletion prescans without limit if necessary, Recalculation of suspects if deletion or addition of limit, Correction results screen: loading results and combobox of the choice of bands	Evolution	3.19.1.6
INC0012803	BAT-EMC	Monitoring => Adding a title to the graphs containing modulation, position and sub range if necessary	Bug	3.19.1.6
INC0012731	BAT-EMC	Problem waiting result of FSH8	Bug	3.19.1.6
INC0012799	BAT-EMC	GT8888A_64 Modify the driver to use two devices one for Foward and one for Reverse	Bug	3.19.1.6
INC0012705	BAT-EMC	FSP and FSV driver suspend did not work	Bug	3.19.1.6
INC0012758	BAT-EMC	Last frequency problem with FFT with data reduction, Add the Preselector spliter	Bug	3.19.1.6
INC0012781	BAT-EMC	When starting a test or subrange, the software asks if you want to "resume". Change to "Start"	Bug	3.19.1.6
INC0012771	BAT-EMC	Problem driver scope if 2 identical scopes used	Bug	3.19.1.6
CHG0030380	BAT-EMI By Band	VSTS 1321: Plot per band must display the correct curves corresponding to the definition of the limit	Bug	3.19.1.6
INC0012744	BAT-ELEC	BAT-ELEC RS232 communication issue	Bug	3.19.1.6
INC0012748	BAT-EMC	Piece of curve that does not appear	Bug	3.19.1.6
INC0012768	BAT-EMC	NSA test: the ref level is not saved	Bug	3.19.1.6
CHG0030399	BAT-EMC	Avoid errors due to log4cxx when rebuilding full solution	Bug	3.19.1.6
INC0012763	BAT-EMC	Add the DLL E4440A_LAN inside of the solution	Bug	3.19.1.6
INC0012691	BAT-EMC	Issue with overlapped frequencies in inclusion table and special dwell list	Bug	3.19.1.6
INC0012734	BAT-EMC	On the reverb emissions procedure, it states OK or Annuler instead of OK or Cancel	Bug	3.19.1.6
INC0012716	BAT-EMI By Band	Input protection in BAT-EMI Automotive by band edition multiple	Bug	3.19.1.6
INC0012746	BAT-EMC	Modification opening project to decrease the necessary time.	Bug	3.19.1.6
INC0012748 INC0012706	BAT-EMC	Problem discontinuity import curve sub range. If we import several curves in the same project the legend does not indicate all the curves	Bug	3.19.1.6
CHG0030363	BAT-EMC	Multisensor reverb EUT calibration. Erase instant curves after angle change	Bug	3.19.1.6
INC0012716	BAT-EMI By Band	Input protection	Bug	3.19.1.6
INC0012720	BAT-EMC	Right click copy returns an error	Bug	3.19.1.6
CHG0030374	BAT-EMC	Add AxisFieldTool to setup	Evolution	3.19.1.6

INC0012944	BAT-EMC	Filling the database at the end of the run after exporting the results without opening them	Bug	3.19.1.8
INC0012936	BAT-EMC	Linking the visibility of a setup with the tests associated with it.	Bug	3.19.1.8
INC0012849	BAT-EMC	ESU hangs when using receiver continuous scan	Bug	3.19.1.8
INC0012929	BAT-EMC	Close com and go to local when test finished	Bug	3.19.1.8
INC0012948	BAT-ELEC	BAT-ELEC issue with UCS500 & High Voltage Surge & Short Tr	Bug	3.19.1.8
INC0012928	BAT-EMC	Filling GetIDN field for Transient generator result in Bat-Elec not working	Bug	3.19.1.8
INC0012943	BAT-EMC	Add advanced final in the antenna base emission test	Bug	3.19.1.8
INC0012875	BAT-VISU	BAT-Visu toolbar modification for EMI reverb calibration	Bug	3.19.1.8
INC0012653	BAT-EMC	Selected setup is not memorized. 1360 - SelectedSetup choice recording equipment problem on the appendix	Bug	3.19.1.8
INC0012401	BAT-EMC	Generate monitoring graphs on closing if they are missing (bug of 1.17)	Bug	3.19.1.8
INC0012927	BAT-ELEC	BAT-ELEC Issue driving TRA-3000 and UCS500N7 Ringwave	Bug	3.19.1.8
CHG0030543	BAT-EMI By Band	New driver Keysight N9010B EXA	Evolution	3.19.1.8
INC0012921	BAT-EMC	Visu-Monitoring does not display curves in decreasing sweep	Bug	3.19.1.8
INC0012895	BAT-EMC	VisuMonitoring does not display modulation for CW/AM calibration	Bug	3.19.1.8
INC0012895	BAT-EMC	Monitoring => Displays the modulation of the calibration, If one has a 1.2G-1.4GHz SB, in the combo it displays 1G-1G	Bug	3.19.1.8
INC0012897	BAT-EMC	VisuMonitoring does not display curves when a channel is added to a graph during test execution (or at the end) when the unit is 'dBm'	Bug	3.19.1.8
CHG0030505	BAT-EMI By Band	Change the limit to a test that already has results. Adding limit without using the wizard causes the crash of BAT-EMC again. Correction done + in the execution: decrease the size of some icons, symbol "?" for "Suspicious"	Evolution	3.19.1.8
INC0012904	BAT-EMC	Problem of compilation in release in Nexio.MonitoringViewer, we considered the warnings as errors (parameter of the project)	Bug	3.19.1.8
INC0012907	BAT-EMC	Error message when using Export All menu (test with monitoring channel)	Bug	3.19.1.8
INC0012904	BAT-EMC	Monitoring graph is missing : Current on shunt [10mA - 100mA]	Bug	3.19.1.8
INC0012891	BAT-EMI By Band	Aspose report crashes if selection of a limit that does not exist in a test	Bug	3.19.1.8
INC0012904	BAT-EMC	Curves that were displayed using Fushia color are displayed in blue (Fushia is not available in new version and should be replaced by Magenta instead of blue)	Bug	3.19.1.8
INC0012902	BAT-EMC	VisuMonitoring autoscale cause application crash if all data of the curve is over scale maximum	Bug	3.19.1.8
INC0012826	BAT-EMC	Link to download Update does not redirect to the right place	Bug	3.19.1.8
INC0012780	BAT-EMC	Removes the 'Export All' option for calibrations. Shows the unit correctly when exporting for the 'Export results' option at the calibration type level.	Bug	3.19.1.8

CHG0030074	BAT-EMC	TDEMI Visa Continuous Measurement Beta	Bug	3.19.1.8
INC0012831	BAT-EMC	Registry read issue: a 32-bit PC with BAT-EMC installed (32-bits)	Bug	3.19.1.8
INC0012653	BAT-EMC	Selected setup is not memorized. 1328 - Selected equipments are not saved dans le choix du montage	Bug	3.19.1.8
INC0012874	BAT-EMC	Can not display Sub range in Reverb Emission Tests in the Tree (Calibration and Test)	Bug	3.19.1.8
INC0012866	BAT-EMC	Add function DeleteResults() for Radiation Diagram	Bug	3.19.1.8
CHG0030517	BAT-EMC	Spurious measurement (Control tool for Bosch). Add Quick user's guide	Bug	3.19.1.8
CHG0030531	BAT-EMC	Activation of logs (ERROR level) and Adding logs to the eSupport zip	Bug	3.19.1.8
INC0012767	BAT-EMC	Modification of the driver to always redo the init for the fieldmeters	Bug	3.19.1.8
INC0012636	BAT-EMC	Removed the possibility to publish already published 'Setup'	Bug	3.19.1.8
INC0012844	BAT-EMC	Input/Coupling did not show in the ESW settings	Bug	3.19.1.8
INC0012811	BAT-EMC	Stops the scanner and measurement if the adjustment function returns false.	Bug	3.19.1.8
CHG0030508	BAT-EMC	Add the commented graph in copy to clipboard. Adding the EUT and managing the selection of a single band or group of bands	Evolution	3.19.1.8
INC0012824	BAT-EMC	Pulse width adjustment option is not retained when duplicating a test. The user has to check it again and select the method again.	Bug	3.19.1.8
INC0012783	BAT-EMC	Wizard problem: do not measure between bands that have a Qpeak	Bug	3.19.1.8
CHG0030482	BAT-EMC	PXE N9048B Keysight driver.	Evolution	3.19.1.8
INC0012763	BAT-EMC	Add the DLL E4440A_LAN inside of the solution	Bug	3.19.1.8
INC0012788	BAT-EMC	The Tektronix API32 does not allow to do under 100k span.	Bug	3.19.1.8
INC0012765	BAT-EMC	Import problem of big projects	Bug	3.19.1.8
CHG0030505	BAT-EMC	Change the limit to a test that already has results. We can now delete and add limits at the same time. Addition of an OK / Cancel question "Added limit (s) will be associated with existing Prescans, in the corresponding frequency bands" when adding limits	Evolution	3.19.1.8
INC0012253	BAT-EMC	Add Labview extended exemple to setup	Bug	3.19.1.9
CHG0030565	BAT-EMC	Manual Update. EMI by Band add tags and replace Prescan by Scan	Evolution	3.19.1.9
INC0013018	BAT-EMC	Issue on test closure	Bug	3.19.1.9
CHG0030380	BAT-EMI By Band	Several Improvements and Bug EMI by Band: Bug on dialogBox. Solution: we have to stop the execution before close the application. Be able to change the suspect's function after performing the tests. Renamed "Prescan" in "Scan". Incorrect report if test partially measures a limit. Finishing with sub-band directory templates. Added a Status in LimitBandReport and LimitBandResultReport. Rename the meas unit. time from ms / point to ms / step.	Evolution	3.19.1.9

		Analytic reporting bug for copy or project import.		
		Followup Case of the combo, Correction: ComboBox, when it is editable.		
		Analytic reporting renaming.		
		Analytic report: instead of started put in progress.		
		Antenna factor does not apply for some antennas.		
		VSTS 1371: Analytic Reporting: report on the max of the legend and adjust level polarizations, returns selectedPolarization = -1 in the Maximization H + V case.		
		User Story 1377: EmiByBand FSP. Change the unit of measurement time for the FFT in ms. VSTS 1372: random error in the execution module.		
		VSTS 1371: Analytic Reporting: report on the max of the legend and adjust level polarizations. VSTS 1370 adds chart by group for anatytic reporting.		
		VSTS 1329 Maintenance 3.19.1.6 Duplicate a limit causes BAT-EMC to crash.		
		AnalyticReporting: report crashes. Case selection analytic reporting. Initialization added in AnalyticReport.cs		
INC0013001	BAT-ELEC	Multiple reported issue from Bat-Elec. Minor scope change. Fix Autowave issues. Add VDS200Q. Add names to dictionnary to avoid #name. Add PFS503N version. Start log with Elec	Bug	3.19.1.9
INC0013012	BAT-EMC	RTM3004 Scope crashes when receiving settings	Bug	3.19.1.9
CHG0030564	BAT-EMC	Add SetTimeout command in scripts to help control devices with no "endchar"	Evolution	3.19.1.9
INC0012952	BAT-EMC	Fixed last point problem FFT Data Reduction in ESU	Bug	3.19.1.9
INC0012985	BAT-EMC	Hide modulation for transfert function measurement with signal generator	Bug	3.19.1.9
INC0012986	BAT-EMC	Shielding effectiveness in reveb: Crash when sub-range is displayed + correction View efficacity screen	Bug	3.19.1.9
INC0012972	BAT-EMC	Manual mode max hold: crash while driving the turntable mast	Bug	3.19.1.9
INC0013006	BAT-FT	ZNL6 not working with Bat-FT and ZNC driver. New beta driver added	Bug	3.19.1.9
CHG0030557	BAT-ELEC	Add Driver for EmTest Compact NX5. Add Burst Alternate mode. Add Surge 1Ph/3Ph AC/DC. Add DipsDC, DipsAC, DropsDC, DropsAC, BurstDC	Evolution	3.19.1.9
INC0012991	BAT-EMC	The export result generates data for all positions plus SVSWR. Fixed bug copy / paste and duplication.	Bug	3.19.1.9
INC0012993	BAT-EMC	Report issue when using a post in the project	Bug	3.19.1.9
INC0013002	BAT-EMC	Database error when creating 2nd equipment with same name	Bug	3.19.1.9
INC0012996	BAT-EMC	LD200 No more working	Bug	3.19.1.9
INC0012995	BAT-EMC	Remote not released with EMTest devices	Bug	3.19.1.9
INC0012997	BAT-EMC	Add RDS200 as PF2 auxilliary power supply for PFS200N	Bug	3.19.1.9
INC0012998	BAT-EMC	Add Single Dip pulse similar to Single Drop with PFS200	Bug	3.19.1.9
INC0012761	BAT-SCAN	BAT-SCAN did not work with multisweep	Bug	3.19.1.9
INC0012971	BAT-EMC	Problem Prescan in infinite loop	Bug	3.19.1.9
INC0012906	BAT-EMC	Reverb equipment Intialization strategy (CRBM)	Bug	3.19.1.9

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BAT-EMC validation report

INC0012980	BAT-CLICK	Bat-Click crashes due to pilote3.dll unable to load log4cxx	Bug	3.19.1.9
INC0012820	BAT-EMC	Added option to use 'u' instead of 'µ' (especially for Chinese PCs)	Bug	3.19.1.9
INC0012944	BAT-EMC	Fills the database at the end of execution (CRBM calibration)	Bug	3.19.1.9
INC0012962	BAT-EMC	Bosch specific database option. Create secure and insecure versions of PCAN tools	Bug	3.19.1.9
INC0012288	BAT-EMC	Test report creation (header and footer)	Bug	3.19.1.9
CHG0030380	BAT-EMI By Band	**1508** - Improved "SynthesByGroupUtil.GetSynthesByGroupList" Method - Reports can now be made on projects that have folders in folders (Recursive Management). // **1452** - Know if the test is running or not: add progress bar horizontal. // **1498** - Preamp test for the ESU. // **1499** - Add com simulation to debug real drivers in simulation. // **1500** - Added overload (INC0012964) made for ESW and ESU. // Add the Tag Number in the TestReport. // **1445** - Selection of test return limits. Homogeneity windows selection limits: blue and orange Nexio. OptionsReport: SelectedEmiByBandLimitList property = list of OptionsEmiByBandLimitReport. Adding TestTypeName in TestReport, Fixing Resources for TestType from TestReport, Enlarging Window Suspicious Edition in Execution. // **1442** - Modification of limits or suspects: the Results tab of the test is not updated. // **1346** - Improved limit selection for report generation, display only the available limits (instead of displaying all the project limits, you have to display the limits of the elements selects taking into account the hierarchy) to be able to select several limits, display the name, description of the limit with the folders and the type of test of each limit. // **1438** - Report generation bug. // **1391** - Uniformization of the enter / escape key. **1390** - Double Click on axes in the Result tab made BAT-EMC crash. Issue with limits selection on the report.	Bug	3.19.1.10
CHG0030380	BAT-EMI By Band	**Execution Module: 1472** - Followup reduce the size of the window and remove the third column. // **1464** - Data reduction style: set size 4 by default. // **1456** - Manual / additional measurement could not be started if there is a measurement in progress. // **1463** - Curves look blurry (anti aliasing) => finer by default (1 instead of 2). // **1460** - Show table => show suspects (show by default with 3). **1467** - For the cursors: Design buttons, textbox (seemed grayed out). **1469** - Manual mesurement: put standard buttons. **1470** - Right-click in the execution module, incorrect font. **1455** - Rename "Manual measurement" to "Additional measurement". **1462** - Abs edit / ord edit: to remove or put a single "Axes Settings"). **1501** - CommentedGraph, Remove 4 Tags Settings. Report template: Adding the Number tag at the TestReport	Bug	3.19.1.10

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BAT-EMC validation report

Initial Version: 3.19.
Tested Version: 3.20.
Date: 05/20/2020

CHG0030380	BAT-EMI By Band	**Wizard Definition Module: 1476** - Delete selected Prescan (add message confirmation), LimitBandFilter correction if Result without Frequency Range. **1475** - Qpeak limit with 1s measurement time, Average with 10ms measurement time, no Peak level, choose Peak instead of Qpeak. => Wizard by default in the case Peak instead of Qpeak the measurement time of the Peak must be that of the Average (and not 5ms by default). **1486** - Module definition, input protection to off if auto attenuation is off. **1504** - Added report templates in SVN + BAT-EMC setup.	Bug	3.19.1.10
INC0013093	BAT-EMC	Driver TDEMI VISA Frequency Start <30Hz managed	Bug	3.19.1.10
INC0013038	BAT-EMC	Monitoring Viewer - Diagrams have less information-densitiy	Bug	3.19.1.10
INC0013036	BAT-EMC	Monitoring Viewer - Remove/hide a curve	Bug	3.19.1.10
INC0013037	BAT-EMC	Monitoring Viewer - Name of the diagrams	Bug	3.19.1.10
INC0012820	BAT-EMC	Display error on 'µ' locate in Receiver setting	Bug	3.19.1.10
INC0013087	BAT-EMC	License Manager, Reverb Ressources visible after selecting "Reverberation immunity".Power disturbance and Field disturbance appears.	Bug	3.19.1.10
INC0013035	BAT-EMC	Monitoring Viewer - diagram size optimisation (additionnal row)	Bug	3.19.1.10
INC0013040	BAT-EMC	Report Monitoring - Some EasyMon channels are unselected	Bug	3.19.1.10
INC0013084	BAT-EMC	Disable PeakSearch funtion for ESI during manual maxhold	Bug	3.19.1.10
INC0013058	BAT-EMC	Limitation on Sub Range frequencies on PeakSearch	Bug	3.19.1.10
CHG0030576	BAT-EMC	Manual Update = (Update "limits band result tags")	Evolution	3.19.1.10
INC0013076	BAT-EMC	Tag report for Reverb emission => English : "ReverbTestEMI" , "ReverbSREMI" , "ReverbEMICal" and French : "EssaiCRBMEMI" , "SBCRBMEMI" , "CalCRBMEMI"	Bug	3.19.1.10
INC0013074	BAT-EMC	Settings in manual maxhold // issue in the PeakSearch	Bug	3.19.1.10
INC0013001	BAT-EMC	Multiple reported issue from Bat-Elec. UCS500_B3 and M4 issue from 3.17 to 3.19. Bad merge results in longer Timeout.	Bug	3.19.1.10
INC0013004	BAT-EMC	The linearityCheck tool crashes when there is a specified path in the configuration.	Bug	3.19.1.10
INC0013064	BAT-EMC	Special Dwell Time frequency list doesn't get saved with test/project on publish	Bug	3.19.1.10
INC0013039	BAT-EMC	Monitoring Report Window: no possibility to use the scrollbar with mouse wheel	Bug	3.19.1.10
INC0012920	BAT-EMC	Driver E4440 (GPIB). Fix slow measurement with QP detector for finals	Bug	3.19.1.10
INC0012945	BAT-EMC	Field probes and field meters are not filtered accordingly the setup for other position than 1	Bug	3.19.1.10
INC0013042	BAT-EMC	UCS500N5 error with Dips/Drops in new version. UCS500N5 not able to count pulses for Dips/Drops	Bug	3.19.1.10
INC0012288	BAT-EMC	Test report creation (header and footer)	Bug	3.19.1.10

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BAT-EMC validation report

Initial Version: 3.19.
Tested Version: 3.20.
Date: 05/20/2020

CHG0030380	BAT-EMI By Band	**1355** - Driver modification EMI By Band for preamp. Issue on ESR. // **1403** - Filter problem in the tape display. // Change diagram of the report templates. // **1485** - Module check the adjust level. // **1458** - Conclusion of the test in ReadOnly and Automatic. // **1484** - In the result, it is necessary to display only the bands which are related to the Prescans of the test for each polarization. // In the "result" window do not put a horizontal limit for <30M. // **1483** - Peak detection rename in Spike detection. // **1468** - Remove Manual measurement preselected frequency range.// **1466** - Manual measurement when changing the setup, the choice of editing does not take into account the modified setup. // **1326** - Management of setup containing several types of antenna. // ValueTuple management regardless of the number of fields in Template 4: improvement. // Manage ValueTuple (2 fields) in Template 4. // **1454** - Design : the scrollbar of the scans does not follow the progress of the test. // **1465** - Design : When selecting a band, you can not see that the band is selected. // **1453** -View measurement settings at the top of the graph moment (meas. time, RBW, preampli ON/OFF, attenuation). Issue selection problem in the report.	Bug/ Evolution	3.19.1.11
CHG0030380	BAT-EMI By Band	**1481** - External equipment !: Add custom external, add tooltip (add a comment only). // **1489** - Add difficult folder: add element "radiated electric emission" without going through a test. // **1477** - Wizard : Remove the blue background and improve it. // **1474** - Wizard : reduce the header and footer to maximize the space given on the board. // **1473** - Wizard : the settings are more important than the setup (set to the left of the setup). // **1478** - Display Prescans => put label "Not Started, Finished, InProgress." // **1479** - Display Prescans => put 4 action buttons (toolbar).	Evolution	3.19.1.11
INC0013056	BAT-EMC	Using Easy Monitoring configuration is not possible (button test on BAT-EMC)	Bug	3.19.1.11
INC0012121	BAT-EMC	Keithley 2000 error	Bug	3.19.1.11
CHG0030595	BAT-EMC	Display an alert message when the "FFT" function is selected	Evolution	3.19.1.11
INC0013147	BAT-EMC	VEE Tools are showing invalid pointer error	Bug	3.19.1.11
INC0013170	BAT-EMC	Detector not visible on all subranges of subrange list for emissions for global procedure	Bug	3.19.1.11
INC0012962	BAT-EMC	Options databases	Bug	3.19.1.11
INC0013163	BAT-EMC	Monitoring - Changing the size of graph titles in reports	Evolution	3.19.1.11
INC0013158	BAT-EMC	Showing ms/step instead of ms/pts in english version	Bug	3.19.1.11
INC0013131	BAT-ELEC	ELEC - checking possible report tags leads to closure	Bug	3.19.1.11
INC0013115	BAT-EMC	Driver TDEMI_VISA: correction of the blocking in receiver mode and FFT with several scans during a Prescan.	Bug	3.19.1.11
INC0013130	BAT-EMC	Error message when using Export All menu (test without monitoring channel)	Bug	3.19.1.11
INC0013115	BAT-EMC	TDEMI_VISA driver: addition of a scan stop at the end of the continuous measurement of peak search maxhold. Manual suspects not running properly.	Bug	3.19.1.11

INC0013122	BAT-EMC	Amplifier Calibration not working	Bug	3.19.1.11
INC0013119	BAT-EMC	TDEMI Driver: Fixed bug when multiple detectors are chosen in GetMeasure. Increase accuracy for frequencies to avoid having the same between Freq Start and Freq Stop and activate the bargraph. Added colors to differentiate the detectors.	Bug	3.19.1.11
INC0013119	BAT-EMC	Advanced Finals, PeakSearch. When you erase the markers, you can not add any more. "CALC: MARK: AOFF" command removed	Bug	3.19.1.11
INC0013119	BAT-EMC	In the case of a simple Prescan with only one sweep, the setting of the "SwpCnt" parameter of the TDEMI was not done and remained set to the last one.	Bug	3.19.1.11
CHG0030380	BAT-EMI by Band	**1524** - "Close" button inaccessible (depends on the resolution) // **1496** reports: Equipment used does not take into account the appendix. Warning: this will only work on new tests or tests for which we restart the treatments. // **1495** reports: In the report, you should not show bands that are not measured. Displays the bands present in the Prescans of the test (GetSynthesByGroupList). Fixed calculation of IsPass at SynthesByGroupUtil level (unclusive addition, Pass correction by default). // **1518** - Access violation exception to investigate. // **1511** - Unable to generate a report on an analytic reporting alone. Warning: the limit guideline of an Analytic Report is now stored in the Emi4_EssaiLimit table but for the old Analytic Report, it is necessary to modify and save so that the record is added to the table.	Bug	3.19.1.12
CHG0030620	BAT-EMC	TDEMI : Management of FFT and FFT with data reduction (management of Multichannel/Traditionnal option in receiver mode)	Evolution	3.19.1.12
CHG0030619	BAT-EMC	Driver R&SZND for SCP.	Evolution	3.19.1.12
INC0013292	BAT-EMC	The software crash with a new subrange and a virtual receiver	Bug	3.19.1.12
CHG0030618	BAT-EMC	Driver Robot Denso for BAT-SCAN	Evolution	3.19.1.12
INC0013194	BAT-EMC	Automatic adjust level issue for bands with slopes. Problem with suspicious calculation max per band. Also problem about limits with decimal numbers.	Bug	3.19.1.12
INC0013288	BAT-EMI by Band	Display problem per band group: See attached file	Bug	3.19.1.12
INC0013274	BAT-EMI by Band	Wizard problem on the bands of limits covered by several setups	Bug	3.19.1.12
INC0013276	BAT-EMC	Report problem per band group (case <30MHz in Horizontal or Vertical)	Bug	3.19.1.12
INC0013289	BAT-EMC	HP E7400 driver: modification to use the classic AVG detector (not EMI)	Bug	3.19.1.12
INC0013240	BAT-EMC	Problem discontinuity import curve max	Bug	3.19.1.12
INC0013243	BAT-EMC	No longer automatically selects graphs with defaults when opening the Monitoring Report window.	Bug	3.19.1.12
INC0013238	BAT-EMC	No Spurious Emission measurement in equipment setups	Bug	3.19.1.12
INC0013168	BAT-EMC	Automatic validation of emissions sub range	Bug	3.19.1.12
CHG0030608	BAT-ELEC	Add information about tag for BAT-ELEC version '<BR/VersionBAT>' and '<BR/Version>'	Bug	3.19.1.12

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BAT-EMC validation report

INC0013112	BAT-EMC	When two materiels shared the same connection address, we create only one connection for both. This mecanism is implemented only on USB/Ethernet communication and NOT ieee. This way the LISN and TDEMI shares the same connection.	Bug	3.19.1.12
INC0013219	BAT-EMC	Bug report graphs in .dotx	Bug	3.19.1.12
INC0013187	BAT-EMC	Changed the check to find the full unbroken frequency band in the calibration if it matches the sub range of the test. (Reverb Immunity)	Bug	3.19.1.12
INC0013210	BAT-EMC	Antenna Factor Error Message When Launching Final Advance	Bug	3.19.1.12
CHG0030399	BAT-EMC	Reduced display time for transfer function and antenna factor	Evolution	3.19.1.12
INC0013093	BAT-EMC	Driver TDEMI VISA Frequency Start <30Hz managed	Evolution	3.19.1.12
INC0012964	BAT-EMC	1503 : Overload Management for FSIQ (tested on Virtual Instrument v6.52)	Bug	3.19.1.12
CHG0030606	BAT-EMC	Update Getting started Easy Monitoring = New visu Monitoring added	Evolution	3.19.1.12
CHG0030604	BAT-EMC	Manual Update = Add test creation assistant improvement for setup with multiple antennas	Evolution	3.19.1.12
INC0013204	BAT-EMC	Monitoring -- Unable to change min/max values of the axis in immunity tests after open the channels settings	Bug	3.19.1.12
INC0013054	BAT-EMC	Monitoring issue, BAT-EMC crash if variable = null	Bug	3.19.1.12
INC0013186	BAT-EMC	When configuring the regulation parameters of a Conducted Power Calibration subrange, if the admin password is cancelled then the system crashes.	Bug	3.19.1.12
INC0013196	BAT-EMC	Issue with special characters exported + EMS_Calibrations table not exported during calibration export	Bug	3.19.1.12
INC0013063	BAT-EMC	Taking into account the rotation time for Reverb EMI Calibration	Bug	3.19.1.12
INC0013357	BAT-SCAN	Bug Scanner (scan speed drops sharply after a pause in NFS viewer)	Bug	3.19.1.13
INC0013356	BAT-EMC	IMM driver bug that prevents NfsConf from closing	Bug	3.19.1.13
INC0013353	BAT-EMC	Problem in parameter editing of a Scan and modification of a setup during project change	Bug	3.19.1.13
CHG0030618	BAT-EMC	Driver Denso	Evolution	3.19.1.13
INC0013221	BAT-EMC	Automatic Threshold Seek not functioning as expected in open loop (net power)	Bug	3.19.1.13
INC0013064	BAT-EMC	Special Dwell Time frequency list doesn't get saved with test/project on publish	Bug	3.19.1.13
CHG0030480	BAT-SCAN	Modification Driver BAT-Scanner	Evolution	3.19.1.13
CHG0030607	BAT-EMC	Driver imp3D	Evolution	3.19.1.13
INC0013322	BAT-EMC	Reverb test procedure titled as calibration	Bug	3.19.1.13
INC0013013	BAT-EMC	Antenna emission was not taken into account (only antenna)	Bug	3.19.1.13
INC0013235	BAT-EMC	The "Target" column has been renamed to "Calibration / Target" for EMS tests	Bug	3.19.1.13
INC0013309	BAT-EMC	Do not re-run the finals in auto mode if done directly by data reduction	Bug	3.19.1.13
INC0013214	BAT-EMC	Bug resolved on CWS500N1	Bug	3.19.1.13
INC0013309	BAT-EMC	CISPR25 3rd function modification for re-measurement QPeak	Bug	3.19.1.13

INC0013297	BAT-CLICK	Improvement of BAT Click to be able to launch a test of 2 hours with a measurement time of 500 micro seconds.	Bug	3.19.1.14
INC0013297	BAT-CLICK	Improvement = Transformation "class" into "struct" for the points of measurement	Evolution	3.19.1.14
INC0013377	BAT EMI by Band	Possibility to make a measurement with RBW of 10kHz with a 3dB filter.	Bug	3.19.1.14
INC0013383	BAT EMI by Band	Adding a report template for "other test types" with no campaign project	Evolution	3.19.1.14
CHG0030380	BAT EMI by Band	Fixed the display of markers and Dark style	Bug	3.19.1.14
INC0013379	BAT EMI by Band	Issue when copying all tests of a test type+ Adding Logs	Bug	3.19.1.14
INC0013404	BAT EMI by Band	Reverb BAT EMI fix for Calibration and Test	Bug	3.19.1.14
INC0013174	BAT EMI by Band	Execution module crash	Bug	3.19.1.14
INC0013378	BAT EMI by Band	Problem of viewing settings in the BAT EMI by Band module at runtime	Bug	3.19.1.14
INC0013375	BAT EMI by Band	When duplicating a test, don't duplicate "execution date", "batversion" and "equipmentRessources". EmiByBand Update the run date only when launching a measurement	Bug	3.19.1.14
INC0013416	BAT-EMC	In scripts, MESSAGE did not work anymore	Bug	3.19.1.14
INC0013409	BAT-EMC	Banalisation of "'" in the name of the materials	Bug	3.19.1.14
INC0013360	BAT-EMC	Crash when previewing graph in the report window of the monitor due to.vmf with display mode in advanced while only one modulation is present	Bug	3.19.1.14
INC0013237	BAT-EMC	Optimization to reduce execution time during multiple scans	Evolution	3.19.1.14
INC0013303	BAT-EMC	Sweeptime correction for N9917A. Add driver Keysight FieldFox N9917A (VNA mode)	Bug	3.19.1.14
CHG0030607	BAT-EMC	Driver imp3D correction bug connexion	Bug	3.19.1.14
INC0013380	BAT-EMC	Problem corrected, the min and max frequency range is calculated according to the min and max frequencies of the scan of the procedure (for each polarization)	Bug	3.19.1.14
INC0013381	BAT-EMC	Crash when reading result	Bug	3.19.1.14
INC0013331	BAT-EMS	Crash on closing and not update 'run date'. Adding protection and deleting a RAZDEL + Adding logs	Bug	3.19.1.14
INC0013384	BAT-EMC	New driver Agilent N9320B	Bug	3.19.1.14
CHG0030609	BAT-EMC	Manage only the ascending scan	Evolution	3.19.1.14
INC0013214	BAT-EMC	CWS500N1 latest fix	Bug	3.19.1.14
INC0013330	BAT-EMC	Driver Agilent_N90XX: Add bands low and full for the preamplifier	Evolution	3.19.1.14
INC0013361	BAT-EMC	Problem opening test "radiated electric immunity check" with subranges containing "circular" polarization	Bug	3.19.1.14
INC0011490	BAT-EMC	Manual mode for the 1st frequency and 1st angle on all subranges except the first, the status remains in "not started". It must be "in progress".	Bug	3.19.1.14
INC0013457	BAT-EMC	Analytic reporting was no longer displayed	Bug	3.19.1.14
INC0013453	BAT-EMC	Issue with message "probe change for multisensor calibration"	Bug	3.19.1.14

INC0013413	BAT-EMC	Reverberation Immunity - No longer in the Stirrer's SetAngle for each frequency for "Frequency sweep for fixed angle" mode	Bug	3.19.1.14
INC0013521	BAT-EMC	Decrease of the break time to accelerate the export	Bug	3.19.1.15
INC0011008	BAT-EMC	Added possibility to change the name of a "final" function when importing into another test	Bug	3.19.1.15
CHG0030661	BAT-EMC	Multi-sensors calibrations by rows	Evolution	3.19.1.15
INC0013441	BAT-EMC	Added protection to avoid an error message for reading an empty CADOSet.	Bug	3.19.1.15
CHG0030618	BAT-SCAN	Addition of the ClearError function, offset of the origin	Evolution	3.19.1.15
INC0013539	BAT-EMC	Correction EventUnload with Labview tools	Bug	3.19.1.15
INC0013478	BAT-EMC	Advanced suspects make BAT-EMC crash when trying to add or update with empty Discrete frequencies for "Import frequency list" option	Bug	3.19.1.15
CHG0030480	BAT-SCAN	Modification Driver BAT-Scanner	Evolution	3.19.1.15
INC0013535	BAT-EMC	Activate the Reverb in the database	Bug	3.19.1.15
INC0013492	BAT-EMC	Transfer function, export results = No longer put all the results on the same line in the Excel file.	Bug	3.19.1.15
INC0013524	BAT-EMC	TDEMI_Visa mesure max hold multi detectors ne marchait pas	Bug	3.19.1.15
INC0013496	BAT-EMC	Uniform MP Zone Calibration = Excel file generation, last paragraph concern, everything is on the same line	Bug	3.19.1.15
INC0013500	BAT-EMI By Band	1665 - Receiver R&S ESW: It is not possible to deactivate the input protection (10 dB). When Attenuation Auto was checked, Input Protection was also checked, even if the user was trying to change the value. Now, when Attenuation Auto is checked, Input Protection can be independently checked or unckecked.	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	1656 - Wizard issue. Correction inconsistent seizure of frequency step in the limit	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	1663 - Generation report takes a lot of time	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	Scripts issues	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	You can only run one test at the same time	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	1652 - Marker problem in a band group display. Markers may appear on imported tests	Bug	3.19.1.15
CHG0030380	BAT-EMI By Band	1653 - analityc reporting was no longer open	Bug	3.19.1.15
INC0013473	BAT-EMC	When the box "Ask for equipment at Each sub-range" is ticked, when the software executes the final script made only to build a table, the diagram appears for each frequency.	Bug	3.19.1.15
INC0013486	BAT-EMC	Closes Excel after generating a graph. Resolution causes a slight loss of time	Bug	3.19.1.15
CHG0030625	BAT-EMC	Add low limit, high limit and generator level to available channels	Evolution	3.19.1.15
INC0013455	BAT-EMC	Synchronisation error of UCS is not reported to the user	Bug	3.19.1.15

INC0013112	BAT-EMC	When two materiels shared the same connection address. In order to control the LISN of the TDEMI, we create two materiels in BAT-EMC : one for the LISN and one for the TDEMI. in the connection, we set up the same connection address. In BAT-EMC (for ethernet only), if two materiels share the same address, internally, BAT-EMC creates only one connection so both LISN and TDEMI use the same connection to send commands.	Bug	3.19.1.15
INC0013477	BAT-VISU	Crash BAT-VISU when transfering suspect to final table and do it again	Bug	3.19.1.15
INC0013466	BAT-EMC	Driver N9340B: add to setup and creation of the user interface	Evolution	3.19.1.15
INC0013310	BAT-EMC	Tool Lecroy_DSO_EMS: manage USB communication	Bug	3.19.1.15
INC0013428	BAT-EMC	Limit RF2 Filter ON / OFF added in ESW receiver settings.	Evolution	3.19.1.15
INC0013476	BAT-EMC	Crash BAT when selecting limit and then cancel. Problème pointeur mal réinitialisé.	Bug	3.19.1.15
INC0012539	BAT-EMC	Monitoring add a new option to allow to save as an image to format .jpeg or .png or .emf.	Evolution	3.19.1.15
INC0013453	BAT-EMC	Issue with message Probe change for multisensor calibration	Bug	3.19.1.15
CHG0030666	BAT-EMC	Add new calculation mode for Uniform Field Calibration : ISO 11451-2. Fixing error percentage calculation report	Bug	3.19.1.16
INC0013583	BAT-EMC	Manual mode during Uniform field calibration issue when restart automatic mode	Bug	3.19.1.16
INC0013616	BAT-EMC	Activation of Wattmeters and power probes for the the chain measurement of current immunity conducted in voltage	Bug	3.19.1.16
INC0012042	BAT-EMC	Rework of Tecknic ClearPath stirrer driver. Correction of the initialization	Bug	3.19.1.16
INC0013282	BAT-EMC	Add the CISPR and MIL Filter 6dB/3dB for the ESR	Evolution	3.19.1.16
CHG0030661	BAT-EMC	Optimization request "verification of multi-point calibration uniform zone" valid	Bug	3.19.1.16
INC0013597	BAT-EMC	Addition of two drivers: one that controls the mast and the other the turntable	Evolution	3.19.1.16
INC0013001	BAT-ELEC	Multiple reported issue from Bat-Elec	Bug	3.19.1.16
INC0013570	BAT-EMC	TDEMI RF input selection	Bug	3.19.1.16
INC0013607	BAT-EMC	Problem when special characters in files are read in unicode by CStdioFile class	Bug	3.19.1.16
CHG0030482	BAT-EMI By Band	Addition of the "Accelerated TDS" functionality (in FFT mode). Bug fix (the test ended before the receiver sweep ended, the data was misinterpreted due to BigIndian / LittleIndian)	Bug	3.19.1.16
INC0013484	BAT-EMC	FSV and FSU scan problem	Bug	3.19.1.16
INC0013214	BAT-EMC	CWS500N1 Serial+GPIB	Bug	3.19.1.16
CHG0030664	BAT-EMC	Manual Update = Update screenshot and details from page 15 to 22	Evolution	3.19.1.16
INC0013591	BAT-EMC	Driver ESW: Limiter ON/OFF is set before coupling and attenuator	Bug	3.19.1.16
INC0012488	BAT-EMC	Problem with report generator.The order of the results in the SQL query has an incidence which must be taken into account	Bug	3.19.1.16

BAT-EMC validation report

INC0013060	BAT-EMC	Reverberation stirrer is now visible by default. Renaming in "License manager" of modules on the revert starting with "Reverberation ...." in English and "CRBM ..." in French	Bug	3.19.1.16
INC0013166	BAT-EMS	Addition of a decimal for the target in BAT-EMS if greater than 100. Addition of the dBpT unit for the magnetic field calibrations	Evolution	3.19.1.16
INC0013594	BAT-EMC	Problem with the update following CHG0030661 for DllFrancais.rc	Bug	3.19.1.16
INC0013563	BAT-EMC	Return the "Data version" field to the "About BAT-EMC"	Bug	3.19.1.16
INC0013576	BAT-EMC	Large project data, such as hundreds of test cases, cannot be deleted.	Bug	3.19.1.16
INC0013515	BAT-EMC	Adding indexes to the database to speed up deletion	Evolution	3.19.1.16
CHG0030380	BAT-EMI By Band	**1660** - Analytic reporting - Crash "copy to clipboard"	Bug	3.19.1.16
CHG0030606	BAT-EMC	Addition of new monitoring for multi-point calibration	Bug	3.19.1.16
INC0012820	BAT-EMC	DLL loading problem following modification 'µ'	Bug	3.19.1.16
INC0013554	BAT-SCAN	Display of pop up of the DLL of the network analyzer used during the tests in vector	Bug	3.19.1.16
INC0013477	BAT-EMC	When we transfer to the finals, we remove from the table of suspects	Bug	3.19.1.17
INC0013597	BAT-EMC	INNCO adding max height 3.9m	Bug	3.19.1.17
INC0013643	BAT-EMC	Correction of copy / paste error INC0013166 ticket	Bug	3.19.1.17
INC0013626	BAT-ELEC	Electrical test mode 3 did not work, mode 1 work fine. Error if user change manually waveform on device	Bug	3.19.1.17
INC0013597	BAT-EMC	Delete unnecessary projects. Correction Set polar and Reference. New projects using innco32.dll (new signatures and prototypes of functions). The innco32.dll has been renamed manually. Addition: the reference starts again if it fails. Addition of two drivers, one that controls the mast and the other the turntable	Bug	3.19.1.17
CHG0030669	BAT-EMC	Manual Update = Add Annex for sensitivity radio tests	Evolution	3.19.1.17
INC0013624	BAT-EMC	Report Monitoring - The list of modulations in the report part is that of the test.	Bug	3.19.1.17
CHG0030618	BAT-EMC	Correction of the clear error and taking into account of the standby error	Bug	3.19.1.17
CHG0030666	BAT-EMC	Add new calculation mode for Uniform Field Calibration : ISO 11451-2. Blocking this method for the following configuration => 3 Columns, 1 Row. It works also with "By Row" option for the multisensor. Report modified for this method. Fixing InitStatus + WriteReport	Evolution	3.19.1.18
INC0013632	BAT-EMC	ESW Driver: Sweep Time setting for scanning in IF mode (addition of Log)	Bug	3.19.1.18
INC0013001	BAT-ELEC	Multiple reported issue from Bat-Elec	Bug	3.19.1.18
INC0013631	BAT-EMC	Problem displaying value in finals if greater than 10GHz	Bug	3.19.1.18
CHG0030688	BAT-EMC	Manual Update = Add MIL-STD-461 description for Reverb test. Explanation of theoritical calculation for Radiated Electric Immunity and Radiated Magnetic Immunity. Add details about offset calculation for Closed loop method with power limitation	Evolution	3.19.1.19
INC0013636	BAT-EMC	Test setups with Easy monitoring configuration is facing with a 'System resource exceed' problem = Correction memory leak on Monitoring	Bug	3.19.1.19

BAT-EMC validation report

CHG0030380	BAT-EMI By Band	1804 - Performance display of a test. Optimization of the loading of the antenna list of a setup list.	Evolution	3.19.1.19
CHG0030380	BAT-EMI By Band	1805 - Image in "Commented Graph" does not appear well in the report. Switching to EMF instead of SVG	Bug	3.19.1.19
CHG0030380	BAT-EMI By Band	1807 - Allow sorting in the scan list	Evolution	3.19.1.19
CHG0030380	BAT-EMI By Band	1794 - Change of group causes the execution module to crash	Bug	3.19.1.19
CHG0030380	BAT-EMI By Band	1803 - Report by band group was not good	Bug	3.19.1.19
CHG0030380	BAT-EMI By Band	MXE: Edition of the driver manager for the EMI drivers of the MXE. Input management, time delay so that the settings are set well	Evolution	3.19.1.19
CHG0030380	BAT-EMI By Band	ESW driver: we adjust the inputs before the frequencies	Evolution	3.19.1.19
CHG0030380	BAT-EMI By Band	1762 - Add Limit ESW	Evolution	3.19.1.19
CHG0030380	BAT-EMI By Band	1761 - TestMesures \ EmiByBand. Replacement of linq with for loops in execution. Unit error when coming to set an offset for automatic re-measurement. Correction Db in dB. 2 - BAT-EMI by Band crashed when changing the display during measurement.	Bug	3.19.1.19
CHG0030687	BAT-EMC	Add MIL STD method for Reverb (E-Field and Receive Antenna methods).	Evolution	3.19.1.19
INC0013669	BAT-ELEC	Freeze when using manual coupler and close check window	Bug	3.19.1.19
INC0013558	BAT-EMC	During reverb test, the software displayed message "moving turntable" instead of "moving stirrer"	Bug	3.19.1.19
INC0013728	BAT-EMI By Band	Export = Adding order by frequency	Evolution	3.19.1.19
INC0013676	BAT-EMC	LD 200 N driver error with pulse 5b	Bug	3.19.1.19
CHG0030685	BAT-EMC	Modification of the link for TeamViewer	Evolution	3.19.1.19
CHG0030684	BAT-EMC	Addition of new ETH CAN V2 scanner driver	Evolution	3.19.1.19
INC0013404	BAT-EMC	Issues with reverb emissions = The reverb emissions calibration did not do a full rotation of the stirrer before ending the calibration	Bug	3.19.1.19
INC0013310	BAT-EMC	Driver Lecroy_DSO_EMS: Add close AND init FUNCTION TO BE USED IN Initialize and Terminate script in order to avoid doing initialisation for each SEND and QUERY - Add logs as info	Bug	3.19.1.19
CHG0030618	BAT-EMC	Denso Robot: added decoding of error codes. Homing correction, error management	Bug	3.19.1.19
CHG0030677	BAT-SCAN EMS	Added Get Position function	Evolution	3.19.1.19
INC0013719	BAT-EMC	Driver MXE and PXE : add configuration sweep time in ms for analyser mode. Agilent X-Series EMI Receiver Mode - Agilent N90XX MXE EMI - Agilent N90XX - Agilent N9048B PXE	Bug	3.19.1.19
INC0013626	BAT-ELEC	Electrical test mode 3 did not work, mode 1 work fine. Change "Va" to "Vattl" to avoid replacing alternator voltage on other tests	Bug	3.19.1.19
INC0013647	BAT-ELEC	ISO Pulse 1 is not working with CAR-Tester driver	Bug	3.19.1.19
INC0013709	BAT-EMC	Bat-Emc shortcut is not properly set up after installation	Bug	3.19.1.19

INC0013661	BAT-EMC	Problem with request for "export all" for several modulations and without monitoring	Bug	3.19.1.19
INC0013597	BAT-EMC	INNCO Mat / Turntable: removal of height limitation	Bug	3.19.1.19
INC0013685	BAT-EMC	Add the Suspect list in Reverb Emission Test	Evolution	3.19.1.19
INC0013649	BAT-EMC	Modification = during the report, the <BR/ApplicationTime> tag takes the time of the sub-range during a test with monitoring instead of that of the test + correction of the 'Back' button for the 3rd window of EASY Tool settings	Bug	3.19.1.19
CHG0030625	BAT-EMC	Change low/high limit on display	Evolution	3.19.1.19
INC0013680	BAT-EMC	The 'Add' function in external equipment used works again + possibility of adding a comment for the materials used	Bug	3.19.1.19
INC0013591	BAT-EMC	ESW Driver: Change order of commands to properly manage coupling and attenuator with limiter. Display of a message to the user if the receiver changes the settings following an incorrect combination of settings	Evolution	3.19.1.19
INC0013682	BAT-EMC	The "Set frequency" and "Finish" scripts of the field meter were not executed for CRBM calibrations	Bug	3.19.1.19
INC0012042	BAT-EMC	Rework of Tecknic ClearPath stirrer driver. GetValue was missing	Bug	3.19.1.19
CHG0030674	BAT-EMC	Manual Update = Explanation of READ for field probes + Addition of information on appendix 13 on transfer functions	Evolution	3.19.1.19
INC0013665	BAT-SCAN EMS	Scanner speed too high	Bug	3.19.1.19
INC0013621	BAT-EMC	During an emission test in analyzer mode on the FSU, the number of points could not be modified. Now we can use the FSU with 30001 points.	Bug	3.19.1.19
INC0013631	BAT-EMC	Agilent X-Series EMI Receiver Mode Driver: Deactivation of marker frequency adjustment to central frequency to avoid error with the marker Meter (after PeakSearch MaxHold)	Bug	3.19.1.19
INC0013233	BAT-EMC	Added possibility to lock / unlock the self-adjustment of the Y scale in BAT-EMS	Evolution	3.19.1.20
INC0013839	BAT-ELEC	Easy monitoring tools not called when test is run	Bug	3.19.1.20
CHG0030380	BAT-EMI By Band	1948 - 3.19.1.x BAT-EMI by Band test publication did not export the test conclusion	Bug	3.19.1.20
CHG0030380	BAT-EMI By Band	1797 - Change the way of writing in the .emi4 file, Correction reading of result files (backslash issue)	Bug	3.19.1.20
CHG0030684	BAT-SCAN	Preparation of the scanner driver	Evolution	3.19.1.20
INC0013891	BAT-EMC	The data sent by the N9340B are always dBm. Conversion from dBuv to dBm is needed.	Bug	3.19.1.20
INC0013897	BAT-EMC	Activate the chain to measure frequency disturbance in reverb	Bug	3.19.1.20
INC0013802	BAT-EMC	Modification of the term "Open loop" (according to standard) by "Open loop or substitution"	Evolution	3.19.1.20
INC0013873	BAT-EMC	Addition for a reverb test: the pulse width adjustment options for "PM ext" - Modify width of some lists.	Evolution	3.19.1.20
INC0013557	BAT-EMC	Correction of incorrect value display in the info toolbar for reverb test	Bug	3.19.1.20

INC0013821	BAT-EMC	Add a message to avoid crash if the chain of the selected setup is empty. Modification name of the curve "Power level" by "Calculated field from average received power level" and addition of curve "Average received power" and "Max received power "	Evolution	3.19.1.20
INC0013818	BAT-EMC	Correction of report tags for antenna reverb and e-field calibration	Bug	3.19.1.20
INC0013887	BAT-EMC	Correction of Unit selection in receiver setting	Bug	3.19.1.20
CHG0030712	BAT-EMC	Add channel 4 for OscLecroy (monitoring)	Evolution	3.19.1.20
INC0013695	BAT-EMC	Modification of unusual sequence of commands (SET MOD, SET FREQ, SET LEVEL and not as expected SET FREQ, SET....)	Bug	3.19.1.20
CHG0030532	BAT-EMC	Bug 1870: Report on BAT-FT HVLV Coupling Attenuation VNA	Bug	3.19.1.20
INC0013597	BAT-EMC	Innco passage sur la DLL 32 bits d'Innco, si erreur de communication on fait un DisconnectMast (ou DisconnectTurntable)	Bug	3.19.1.20
INC0013871	BAT-EMI By Band	Add LimitUnit in the report	Bug	3.19.1.20
INC0013854	BAT-EMC	Issue connexion database after closing EMI or EMS, if export done by BAT-EMC	Bug	3.19.1.20
INC0013834	BAT-EMC	Conducted Power Calibration available for Conducted Current Immunity test.	Bug	3.19.1.20
INC0013841	BAT-EMC	DLL RSA306B (for script): Add two functions for users, SETRBW and SETREFLEVEL. SETRBW : 1 parameter, frequency in MHz. SETREFLEVEL: 1 parameter, Reference level in dBm	Evolution	3.19.1.20
INC0013777	BAT-EMC	Wrong values in Easy Monitoring measurement : Probleme with Continuous VSWR measurement during test Option	Bug	3.19.1.20
CHG0030700	BAT-EMC	Manual Update = Add Annex about NSA & SVSWR	Evolution	3.19.1.20
INC0013830	BAT-EMC	Add possibility to choose a Conducted Power Calibration if it is in the project in a Conducted Voltage test	Bug	3.19.1.20
CHG0030699	BAT-EMC	BAT-EMC in French, change name "ANE" to "NSA"	Evolution	3.19.1.20
INC0013720	BAT-ELEC	CI 250 needs increased sampling rate	Bug	3.19.1.20
INC0013780	BAT-EMC	Modification of the term 'Execute' to 'Activate'. Add an option for some equipments to launch the execution of the script "Initialize" at each execution	Bug	3.19.1.20
CHG0030694	BAT-EMC	Manual Update = Add Annex 18 about Metrology	Evolution	3.19.1.20
INC0013740	BAT-EMC	Remove space before paste from copy / paste graphs in reports	Bug	3.19.1.20
CHG0030532	BAT-EMC	Report of a bug fix found during the implementation of Aspose graphs on the trunk	Bug	3.19.1.20
INC0013775	BAT-EMC	Reversal NB / BB when displayed in the Advanced suspects window	Bug	3.19.1.20
INC0013731	BAT-EMC	Addition of request to remove possible duplicates in the g_LabelObjets table after import (CATDBObject :: DBCorrigerApresImport () method)	Bug	3.19.1.20
INC0013624	BAT-EMC	Report Monitoring -- problem when we add a new tag and press preview, visu monitoring crashed.	Bug	3.19.1.20
INC0012705	BAT-EMC	FSE Driver add the 6dB and 3dB	Bug	3.19.1.20

BAT-EMC validation report

INC0013774	BAT-EMC	Issue with display of NB / BB units for conducted current emissions - Correction of BL unit taken if no limit selected + Add protection on a pointer	Bug	3.19.1.20
INC0013310	BAT-EMC	Driver Lecroy_DSO_EMS: Put back Init and close for SEND and QUERY function	Bug	3.19.1.20
INC0013773	BAT-EMC	Export graph monitoring problem in .JPG and .PNG. Difference with metafile if several graphs	Bug	3.19.1.20
INC0014005	BAT-EMC	Sending the command with start of Write \ 02 and end of write \ 03	Bug	3.19.1.21
INC0014061	BAT-EMC	Fix the case of objects that cannot be loaded because their idObject is lower than that of their parent	Bug	3.19.1.21
INC0014050	BAT-EMC	Problem with the type of fields in g_LabelObjets following the modification to the ticket INC0013731	Bug	3.19.1.21
INC0013581	BAT-EMC	Issues with lines are highlighted in the equipment script editor (only in release)	Bug	3.19.1.21
CHG0030748	BAT-EMC	User manual update (EN)	Evolution	3.19.1.21
INC0014007	BAT-EMC	Comparaison of plots issue	Bug	3.19.1.21
INC0013542	BAT-EMC	Problem if you generate an analytical reporting report by selecting it directly	Bug	3.19.1.21
INC0013838	BAT-EMC	Correction issue followup	Bug	3.19.1.21
INC0014016	BAT-EMC	Add the Active X library file in the solution libad-actx-4.6.528.exe	Bug	3.19.1.21
INC0014008	BAT-EMS	We no longer resize the Y scale if the test is in status Completed at the opening of BAT-EMS +	Bug	3.19.1.21
INC0013886	BAT-EMC	Auto Validation setups (Options/Driver) doesn't work in automatic mode	Bug	3.19.1.21
INC0013310	BAT-EMC	Driver Lecroy_DSO_EMS: make connection only once	Bug	3.19.1.21
INC0013460	BAT-EMC	Time at runtime is not correct for radio sensitivity testing	Bug	3.19.1.21
INC0013949	BAT-EMC	Manage VI_ATTR_TERMCHAR_EN et VI_ATTR_SUPPRESS_END_EN	Bug	3.19.1.21
INC0013820	BAT-EMC	Add possibility to choose the format of the exported files (.txt or .xls) when exporting the results of a test folder + Modification of the style of the window for selecting a folder so that it no longer uses the XP style	Bug	3.19.1.21
INC0013995	BAT-EMC	Change "EN 61000-4-3/A1:2002" to "EN 61000-4-3:2006"	Bug	3.19.1.21
INC0013970	BAT-EMC	Driver problem the command is correct but for this equipment (MSO54) you must put the complet command and not the short one : MEAS:IMM:TYPE FREQ is not working MEASUREMENT:IMMED:TYPE FREQUENCY Works!!!	Bug	3.19.1.21
INC0013985	BAT-EMC	For conducted voltage immunity displays the 'current' tab in BAT-EMS only if 'Disturbance Measure' is checked in a sub-range	Bug	3.19.1.21
INC0013873	BAT-EMC	Taking into account of PM ext in EMS in reverb	Bug	3.19.1.21
INC0013884	BAT-EMC	Last freq made twice in certain cases (FFT), modification of the comparison	Bug	3.19.1.21
INC0013915	BAT-ELEC	Bat-Elec is not sending informations to control tool	Bug	3.19.1.21

INC0013839	BAT-EMC	Labview tools are crashing	Bug	3.19.1.21
INC0013976	BAT-EMC	Problem with export result for NSA Measurement	Bug	3.19.1.21
INC0013828	BAT-EMC	Add in the context menu the possibility to export the monitoring data from a calibration + Add date column to the export result a calibration	Bug	3.19.1.21
INC0013948	BAT-EMC	Problem with Equipment setup in the referential when you update the new equipment setup version from the referential he asks you again all the time + Problem with version 0	Bug	3.19.1.21
INC0013950	BAT-EMC	Fill in the fields "Executed with Version", "Equipment Resource Version" and "Limits Resource Version" for BAT-Click	Bug	3.19.1.21
INC0013950	BAT-EMC	Click not opening due to missing log4net DLL.	Bug	3.19.1.21
INC0013943	BAT-ELEC	Bat-Elec sets output off on arbitray waveform generator during init	Bug	3.19.1.21
INC0014117	BAT-EMC	EOS char was staying in the buffer and shifted all read commands (tested on PXE)	Bug	3.19.1.22
INC0013834	BAT-EMC	Case conversion problem Test conducted current with setpoint in conducted power	Bug	3.19.1.22
INC0014104	BAT-EMI By Band	Radiated Electric with Autmotive Bands Report Template = Addition of the name of the polarization above the graphs	Evolution	3.19.1.22
CHG0030684	BAT-EMC	Driver Scanner ETH_CAN : speed management correction	Bug	3.19.1.22
INC0014045	BAT-EMC	Issue with report tag "RegulParam"	Bug	3.19.1.22
INC0013853	BAT-EMC	Crash Bat-visu3	Bug	3.19.1.22
INC0014079	BAT-EMC	Display problem following INC0013581 Many lines are highlighted in the equipment script editor	Bug	3.19.1.22
INC0013647	BAT-ELEC	Standard 7637-3 added to Bat-Elec	Evolution	3.19.1.22
INC0014063	BAT-EMC	Correction of infinite loop in reverb when the option "Multiple modulations / Successive application" is checked (Procedure tab in sub-bands)	Bug	3.19.1.22
INC0014054	BAT-EMC	We do not read correctly the number of data of the Spectrum analyzer	Bug	3.19.1.22
INC0014065	BAT-EMC	Problem with auto scale Y for viewing from hardware BAT-EMC	Bug	3.19.1.22
CHG0030532	BAT-EMC	User Story 2094 = Create report template for setup Scope Metrology Template and NSA Report. Adding Metrology VNA template User Story 2094 = Create report template for setup Add immunity template FT VNA ETSI + FT Synthesizer for material report Delete old report template in the setup Equipment list report	Evolution	3.20.0.0
CHG0030532	BAT-ELEC	User Story 2094 = BAT-ELEC report: Add transient BAT-ELEC IEC + ISO report	Evolution	3.20.0.0
INC0014054	BAT-EMC	We do not read correctly the number of data of the SA	Bug	3.20.0.0
CHG0030533	VISU V4	Bug 2123: Deal with Font (Black or White only depending on Dark Mode).	Bug	3.20.0.0

Added DarkMode Toggle in the toolbar of the chart
Changed icon of the Suspect/Final expander (to make them more look like expender).
Bug 2100: Integrate the information from the "Advanced Prescan" window into Visu.
WIP: Integration of a DialogProvider in FunctionDLL in order to be able to replace the MFC / WPF dialogs.
Bug 2127: Blinking mouse cursor (removed all CWaitCursor in Receivers Drivers).
Bug 2048: Display the speed of positioners during auto-execution.
Bug on click: Pass/Fail for the test
Bug 2126: Validation of the entry with the enter key
Modification at the framework level (go to the next field with entry).
For checkboxes, remember to use Alignment = Left
Bug 2118: Manual point on an empty Prescan.
Bug 2117: Buttons to go to MaxAngle & MaxHeight
Removed the stop button of Init Pos to a layer when we move the positioners from the Manual Point with a unique "Stop" Button.
Bug 2097: Visu V4: Add the conclusion (pass / fail) at the level of the Test List.
Bug 2116: Manual point comments not reset for a second point.
Bug 2114: Cursors lose options. Cursor positioned by default on the external curves. We replace the double click with a back to front search.
Bug 2108 = Bug with setup for Manual Point.
Bug 2107: Message in position during execution
Editing debug messages for reference issues
Cropping of the current angle in the control of the plate.
Bug 2104 = Adding Finish (-2) to free the memory without saving the results for report generation
Bug 2087: Default view. Modification of the layout.
Bug 2091: "Go to max position" hidden after running Prescan while setup is connected
Bug 2086: Position displayed at 0 with manual suspect + simple Prescan + H / V position. H / V display in visuV4. Displays H / V in Automatic and Manual operation
Hides polarization in Manual Point.
Bug 2084: Export Emi3 test impossible
Bug 1985: Graph settings. Tests the Prescan for results before displaying it.
Confusion over the selection of cursors / markers. Give priority to cursors.
Bug 2083: Legend takes up too much space when there are a lot of curves. Addition of a scrollviewer of ~ 4 lines.
Bug 2128: Manual point and default measurement time (in maximization mode). 1- If the sweep time of the sub-range is in ms / MHz or ms (we are supposed to be in analyzer mode) => MeasTime = 10ms. 2- If sweep time = auto then => MeasTime = 10ms. 3- If the sweep time is in ms / step (receiver mode), this value is used for the MeasTime.

CHG0030532	BAT-EMC	Extended report = Deleting an empty source Correction: The Analytic reports were no longer published. Bug 2124 = Report with self-generated table (as BAT-ELEC): ability to repeat the table header on the following pages + missing SubTemplate_FT_Impedance_Measurement.dotx template. Renamed template. Fixed unloading of too many BatData. obsolete eutName EUTName and EUTFollowUp obsolete for backward compatibility Problem with finals that did not appear in reports (loop on suspects). Correction Edition Report on equipment in the wrong language. Bug 2090: Word settings plugin Bug 2069: Emission tag report. Bug 2135: Simpler final tag migration. Suspect and final tag with no title line available. User Story 2133: Report: SVSWR tests. Adding class SVSWR first part. User Story 1433: Tags. Graphs no longer return a stream but the path of a temporary file. User Story 1433: Tags. Add main tags for click rate test	Bug	3.20.0.0
INC0013970	BAT-EMC	Driver problem the command is correct but for this equipment (MSO54) you must put the complete command and not the short one: MEAS:IMM:TYPE FREQ is not working MEASUREMENT:IMMED:TYPE FREQUENCY Works	Bug	3.20.0.0
CHG0030532	BAT-EMI By Band	Reports = Problem on a report of several tests. Bat-Data deletes the current test but does not recreate it. Bug 2111 = Display of strange messages. Adding backup in the test of the mode used during execution. Bug 2112: report generation problem User Story 2094 = Create report template for setup Addition of EMI without band DLLs in the setup for report generation. Bug 2120: BAT-EMI By Band regression: legend of the main graph invisible.	Bug	3.20.0.0
INC0014065	BAT-EMC	Problem with auto scale Y for viewing from hardware BAT-EMC	Bug	3.20.0.0
CHG0030705	BAT-IMAGE	Added the files that the dockingmanager needs for a default layout	Bug	3.20.0.0
CHG0030742	BAT-EMC	PECOS Control Tool Added the message so that user can understand which zone bugged. PECOS Control Tool Corrected a bug occuring when 3 ROI or more were specified. PECOS Control Tool Added a forgotten error management	Bug	3.20.0.0
INC0014005	BAT-EMC	Sending the command with start of Write \ 02 and end of write \ 03	Bug	3.20.0.0
CHG0030380	BAT-EMC	Correction of vertical alignment when entering Transient steps	Bug	3.20.0.0

INC0014061	BAT-EMC	Fix the case of objects that cannot be loaded because their idObject is lower than that of their parent	Bug	3.20.0.0
INC0014050	BAT-EMC	Problem with the type of fields in g_LabelObjets following the modification to the ticket INC0013731.	Bug	3.20.0.0
INC0014006	BAT-EMC	During installation if restarting, a message is displayed to the user	Bug	3.20.0.0
INC0013581	BAT-EMC	Issues with lines are highlighted in the equipment script editor (only in release)	Bug	3.20.0.0
CHG0030466	METROLOGY	Delete message Scope not found in a specific case	Bug	3.20.0.0
INC0013986	BAT-EMC	MXE Driver: - Disable correction factor (correction group OFF) - Read Manual MaxHold Command was wrong	Bug	3.20.0.0
CHG0030533	VISU V4	2142: CISPR16 recommendation	Evolution	3.20.0.0
INC0013949	BAT-EMC	For TCPIP comm only and if no end of string character defined in BAT: VI_ATTR_SUPPRESS_END_EN to false in all cases in TCP	Bug	3.20.0.0
CHG0030533	VisuV4	Simplification of the display of the name of the limits, elimination of all the static part (B2115)	Evolution	3.20.0.0
CHG0030533	BAT-EMC	Addition of a menu for the report manual in the help of BAT-EMC	Evolution	3.20.0.0
CHG0030533	BAT-EMC	Addition of the manual NewReportGeneration_EN.pdf in the setup	Evolution	3.20.0.0
CHG0030533	BAT-EMC	Add a new console application project to generate documentation containing all report tags	Evolution	3.20.0.0
CHG0030533	VisuV4	Removal of Nexio.Bat.Emi.VisuV4.Theme.VS2013	Bug	3.20.0.0
CHG0030380	BAT-EMI	Improved reporting	Evolution	3.20.0.0
CHG0030380	BAT-EMI	Strange message display. Adding backup in the test of the mode used during execution	Bug	3.20.0.0
CHG0030466	METROLOGY	Bug 2088: The limits and uncertainties of metrology are displayed in the other sub-bands of the BAT-FT tests	Bug	3.20.0.0
CHG0030532	METROLOGY	Template Metrologie Scope: 2094 - create report template for setup. User Story 2095: create template in the setup. Adding Metrology VNA template	Bug	3.20.0.0
CHG0030553	BAT-EMC	Correction SQL request for tooltip include / exclude table	Bug	3.20.0.0

CHG0030755	BAT-EMC	AudioBreakThrough module	Evolution	3.20.0.0
INC0013460	BAT-EMC	Execution time is not correct for radio sensitivity tests	Bug	3.20.0.0
INC0013647	BAT-ELEC	Standard 7637-3	Evolution	3.20.0.0
INC0014117	BAT-EMC	EOS char was staying in the buffer and shifted all read commands (tested on PXE)	Bug	3.20.0.0
INC0013834	BAT-EMC	Case conversion problem Test conducted current with setpoint in conducted power	Bug	3.20.0.0
INC0014045	BAT-EMC	Problem with report tag "RegulParam"	Bug	3.20.0.0
INC0014121	BAT-EMC	ESU_LAN receiver driver has to use ESU.dll instead of ESU_LAN.dll (out of date)	Bug	3.20.0.0
INC0014117	BAT-EMC	EOS char was staying in the buffer and shifted all read commands (tested on PXE)	Bug	3.20.0.0

INC0014104	BAT-EMI	RE with Automotive Bands Report Template. Addition of the name of the polarization above the graphs	Bug	3.20.0.0
INC0013853	BAT-EMC	Crash bat-visu3 (disable database pooling)	Bug	3.20.0.0
INC0014079	BAT-EMC	Display problem following INC0013581 Many lines are highlighted in the equipment script editor	Bug	3.20.0.0
INC0014063	BAT-EMC	Correction of infinite loop in reverb when the option "Multiple modulations / Successive application" is checked (Procedure tab in sub-bands)	Bug	3.20.0.0
INC0013970	BAT-EMC	Driver problem the command is correct but for this equipment (MSO54) you must put the complet command and not the short one : MEAS:IMM:TYPE FREQ is not working MEASUREMENT:IMMED:TYPE FREQUENCY Works	Bug	3.20.0.0