# SSA3000X-R Firmware Revision History

| Version | Revision |
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| V3.2.2.4.0<br>2021/1/15 | • **This version can not be rolled back**<br>• Fix TG switch error at small RBW<br>• Fix Help and Limit file lost when Factory reset<br>• Fix Auto open delay unit error in VNA mode<br>• Fix CNR calc error when no peak found<br>• Fix OBW result overflow<br>• Fix Harmonic calc error at 100Hz RBW<br>• Fix Reflection Open+Short calibration action<br>• Fix spectrum amplitude error in DMA mode<br>• Optimize EMI .csv file content to all signal list<br>• Optimize EMI peak search<br>• Optimize Auto cal process<br>• Add Peak search to Spectrum in DMA mode |
| V3.2.2.3.3R1<br>2020/12/01 | New Functionality:<br>• Add EMI filter in SA for EMI option<br><br>Solved Issues:<br>• Optimize the response in RTSA<br>• Optimize the TG flatness and control procedure<br>• Optimize Help<br>• Fix Correction, .csv file, add peak numbers to 20 in EMI mode<br>• Fix ADC overload warning error, and time unit error in Calibration in VNA Mode<br>• Fix amplitude error in DMA Mode<br>• Fix the frequency band downgrade to 3.2GHz on some units<br>Fix upgrade failure issue |
| V3.2.2.3.2<br>2020/09/09 | New Functionality:<br>• Add VNA and DTF mode<br>• Update EMI option to a new EMI measurement mode<br><br>Solved Issues:<br>• Fix bug in Help File<br>• Fix some ADC overload warning<br>• Fix some PvT and Density marker bugs.<br>• Fix Ch Power calculation bug in small span in SA Mode<br>• Fix amplitude bug in AMA Mode<br>• Fix peak search bug in SCPI command |