

## General Caution

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Please use a freshly formatted USB Memory Stick for firmware updates.

If there is a firmware update question, please contact Anritsu service support at <https://www.anritsu.com/test-measurement/contact-us> for further information.

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## What will the customer see in this release?

Product : MS2090A  
Application Package : V2022.3.3  
Windows Client : V2022.3.2  
Release Date : Release Jun. 2022

Information below may not apply to every model/option in Product list.

### \*\*\* NEW FEATURES \*\*\*

- > Software
- Added Simplified Chinese language support.

### \*\*\* IMPROVEMENTS \*\*\*

- > Software
- Removed standalone Transmission calibration method from CAAUSB Application.

### \*\*\* BUG FIXES \*\*\*

- > Software
- Fixed Antenna calibration factor application bug in Field strength measurement.
- Fix data truncation issue with transfer of Large IQ captures over slow Ethernet links.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2022.3.1

Windows Client : V2022.3.2

Release Date : Release April 2022

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

- Added new Interference Analyzer mode with support for MA2700A Interference Hunter hardware.
- Added System Override feature to reset unit remotely in case of SCPI failure.
- Added new Time offset corrections in 5GNR Summary view as well as a new Time offset table in 5GNR OTA (Multi-PCI) view.

\*\*\* IMPROVEMENTS \*\*\*

-> Software

- Added support for BeiDou satellite position search.
- Added manual configuration of OBW bandwidth in LTE mode.
- Improved EVM measurement stability in 5GNR mode.
- Changed 5G Multi PCI measurement label to OTA (Multi PCI) to reflect it's recommended use for measuring over the air signals.

\*\*\* BUG FIXES \*\*\*

-> Software

- General enhancements and bug fixes.
- Fix Bug related to application of ReadyCal data for 4GHz S331P in CAAUSB app.

- Fixed missing data for carrier aggregation channel 1.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.11.2

Release Date : Release Dec. 2021

Information below may not apply to every model/option in Product list.

\*\*\* BUG FIXES \*\*\*

- > Software
- Add back in the Legacy Mode Switch Icon in addition to the Measurement Mode Switch Icon on instruments without option 0019 or 0331 in response to customer requests.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.11.1

Release Date : Release Nov. 2021

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

- > Software
- Adds support for S331P SiteMaster Hardware Option 0331.
- Adds support for Quasi Peak Marker in SPA mode.
- Adds support for high accuracy power meter Option 0019.
- Adds Auto attenuation OFF (attenuation will be set to 30 dB) and the pre-amp OFF at reboot as an optional setting.
- Adds Support for Sample detector in SPA mode.

- Adds support for 200 MHz and 400 MHz Channel Bandwidth in 5GNR FR2 frequency plan.
- Adding support to enable SSB absolute frequency setting.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- Adds new icon for MS2090A PC Software.
- Faster measurement cycle time in 5G demodulation measurements.

\*\*\* BUG FIXES \*\*\*

- > Software
- General enhancements and bug fixes.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.5.2

Release Date : Release July, 2021

Information below may not apply to every model/option in Product list.

\*\*\* BUG Fixes \*\*\*

- > Software
- Fixes time offset error in V2021.5.1.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.5.1

Release Date : Release May. 2021

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

Adds frequency counter marker resolution setting.

Adds support for indoor coverage mapping with Option 431.

\*\*\* IMPROVEMENTS \*\*\*

-> Software

Adds support for linear units and new logarithmic units.

General enhancements and bug fixes.

Adds frame power measurements to LTE TDD analysis.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.3.3

Release Date : Patch March 2021

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

Added additional Libraries to the Windows Client to fully support Option 0431.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2021.3.2

Release Date : Release March 2021

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

Adds ability to record and playback traces in SPA and RTSA modes.

Adds Option 431 Coverage Mapping.

Adds ability to control instrument as USB TMC device.

Adds support for IQ streaming to PC via PCIe interface.

Adds AM/FM audio playback to Spectrum Analyzers with Option 24 Interference Finder.

\*\*\* IMPROVEMENTS \*\*\*

-> Software

General enhancements and bug fixes.

Adds Band 66 to 5G NR band setup options.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2020.10.1

Release Date : Release Oct. 2020

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

- Adds ability for PC software to recall measurement files independently.
- Adds support for Removal of WiFi and Bluetooth with Hardware Option 0006.
- Adds constellation views to LTE and 5G Analyzer modes.
- Adds control channel measurements to LTE Analyzer mode.
- Adds support for Vector Signal Analysis Option 0128.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- Adds support for LTE TDD in Option 883.
- Adds WiFi icon for 'on but not connected'.
- Adds Pulse Viewer measurement to Pulse Analyzer.
- Expands negative trigger delay limits for smaller bandwidth IQ captures.
- Adds Trace+PNG save option.
- Adds seconds resolution to timestamp on screenshots.
- Improves transfer speeds to exFAT drives for IQ streaming.

\*\*\* BUG FIXES \*\*\*

- > Software
- Fixes bug that blocked Galileo satellites.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2020.7.3

Release Date : Release September, 2020

Information below may not apply to every model/option in Product list.

\*\*\* BUG FIXES \*\*\*

- > Software
- Minor bug patches to V2020.7.1
- Removes erroneous mode icons.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2020.7.1

Release Date : Release July, 2020

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

- > Software
- Adds Pulse Analyzer Option 421.
- Multi PCI measurement added to Option 883 LTE Measurements.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- General enhancements and bug fixes.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2020.4.2

Release Date : Release Apr. 2020

Information below may not apply to every model/option in Product list.



\*\*\* NEW FEATURES \*\*\*

-> Software

- Option 444 EMF Measurements.
- Carrier aggregation measurement in 5G Analyzer (Option 888) and LTE Analyzer (Option 883).
- Options 126 IQ Waveform Capture (Export License Free) and Option 127 IQ Waveform Streaming (Export License Free).
- Resource Block Power view added to LTE Analyzer (Option 883).
- IQ streaming file concatenation tool in MS2090A PC Software.
- Option 445 EMF Meter Enabled (requires 2000-1850-R EMF Meter)

\*\*\* IMPROVEMENTS \*\*\*

-> Software

- Increase maximum trace point limit from 4,001 to 10,001 points.
- User choice to concatenate IQ streaming files.
- Periodic external trigger for gated sweep.
- Audio tone for limit line violations.
- General enhancements and bug fixes.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2020.2.1

Release Date : Release Mar. 2020

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

- Option 124 IQ Waveform Capture and Option 125 IQ Waveform Streaming.
- Time Alignment Error view in LTE.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- Support lower RBWs in RTSA.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.12.1

Release Date : Release Jan. 2020

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

- > Software
- Option 883 LTE FDD.
- Field Strength measurement support in Spectrum Analyzer mode. Including units dBm/m<sup>2</sup> and dBW/m<sup>2</sup>.
- Option 400 Vision Monitor Enabled and Option 407 High-Speed Port Scanner Enabled for Vision Monitor.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- Add Band 261 configuration to 5G Analyzer.
- Updated EIRP measurement in 5G Analyzer mode to support revised 3GPP specification.
- New units of dBW in Spectrum Analyzer mode.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.9.1

Release Date : Release Sep. 2019

Information below may not apply to every model/option in Product list.

\*\*\* NEW FEATURES \*\*\*

-> Software

- Auto detection of 3GPP defined 5G NR sync signal block (SSB) offsets.
- Multi PCI - new measurement in 5G Analyzer.
- New Interference Finder Measurement in Spectrum Analyzer mode. (requires option 0024)

\*\*\* IMPROVEMENTS \*\*\*

-> Software

- New sweep indicator on sweeping applications.

\*\*\* BUG FIXES \*\*\*

-> Software

- Support for Mobile Interference Hunter MX280007A.
- Files recalled from Save on Event (SOE) will not recall SOE state.
- Selection boxes are now displayed correctly in the file manager when the Light color theme is used.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.6.3

Release Date : Patch Release Aug. 2019

Information below may not apply to every model/option in Product list

\*\*\* IMPROVEMENTS \*\*\*

-> Software  
General bug fixes and improvements

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.6.2

Release Date : Patch Release Aug. 2019

Information below may not apply to every model/option in Product list

\*\*\* IMPROVEMENTS \*\*\*

-> Software  
- General enhancements and bug fixes.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.6.1

Release Date : Quarterly Release Jun. 2019

Information below may not apply to every model/option in Product list

\*\*\* NEW FEATURES \*\*\*

-> Software  
- Added real-time spectrum analyzer (RTSA) functions.

- Zero span capability in Spectrum Analyzer mode.
- Option 89 Zero Span IF Out.
- Trigger and reference port configuration.
- New PCI retrieval SCPI commands.

\*\*\* IMPROVEMENTS \*\*\*

- > Software
- 5G NR Frequency Error reported in ppm as well as Hz.
- Added support for 240 kHz subcarrier spacing in 5G NR Analyzer.
- Enhanced EIRP settings - cable loss.

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.3.3

Release Date : Release May 2019

Information below may not apply to every model/option in Product list

\*\*\* NEW FEATURES \*\*\*

- > Software
- General bug fixes and improvements

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What will the customer see in this release?

Product : MS2090A

Application Package: V2019.3.2

Release Date : Quarterly Release Mar. 2019

Information below may not apply to every model/option in Product list

\*\*\* NEW FEATURES \*\*\*

-> Software

Initial Product release version