General Caution

Please use a USB Memory Stick for firmware updates.

Suitable firmware can be found on Anritsu's web site under the instrument library listings.

If your existing firmware is older than v1.64, please use Master Software Tools and the Ethernet interface for firmware updates.

If there is a firmware update question, please contact Anritsu service support at www.Anritsu.com, and then click on "Technical Support" for further information.

What will the Customer See in this release? MS2026A Application Package V1.66 2-10-2011

Vector Network Analyzer Application

- Users can now input a specific marker frequency that does not snap to the nearest tested frequency.

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General Caution

It is recommended that Ethernet be used to perform any firmware updates.

If this failure should occur, Recovery is possible using the Emergency Repair feature with Ethernet connection.

What will the Customer See in this release? MS2026A Application Package V1.65 3-30-2010

- No customer changes.

/Inritsu

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What will the Customer See in this release? MS2026A Application Package V1.64 2-25-2010

Master Software Tools compatibility

- This version of firmware requires that v2.15 or newer of MST be used for USB connectivity.

General Features

- Antenna factors for several Japanese antennas corrected in default file

- Added new USB firmware - Users will now be able to update the instrument firmware via a USB memory stick after this firmware update

- Added new arrow style to application buttons with sub-menus - Will be solid and shown all the time

- Added LTE channel information to the Signal Standards list

Vector Network Analyzer Application

- Increased the number of cables in Table View to 12 in Vector Volt Meter.

- User now can set the unit to turn off RF power when sweep is in hold.

- Fixed a problem where the sweep stops when changing power from high to low while smoothing is on.

High Accuracy Power Meter Application

- Support for new High Accuracy power sensors

/Inritsu

o   MA24108A Microwave USB power sensor 10 MHz to 8 GHz

o   MA24118A Microwave USB power sensor 10 MHz to 18 GHz

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What will the Customer See in this release? MS2026A Application Package V1.58 6-12-2009

General Caution

You must use Ethernet connection to perform any firmware updates.

Updating via USB may result in a failure to finish loading the OS and the unit will not reboot.

All is not lost. Recovery is possible using the Emergency Repair feature with Ethernet connection.

What will the Customer See in this release? MS2026A Application Package V1.58 6-12-2009

General Features

No customer related changes in this package

Vector Network Analyzer Application

- Fixed a problem where the sweep would stop when changing power from high to low while smoothing is on.

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/Inritsu

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What will the Customer See in this release? MS2026A Application Package V1.57 12-15-2008

General Features

- Updated Signal Standards and Antenna files to fix errors

- Minor improvement in power on booting time

- Support for handling Compact Flash/USB drives > 4GB

- Allow instrument to turn on even if there is a problem communicating with smart battery

High Accuracy Power Meter Application

- Added support for MA24104A Inline High Power sensor

Vector Network Analyzer Application

- Added support to allow peak search between markers 5, 6

- Fixed a bug where DTF setups wouldn't recall properly at certain frequencies

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What will the Customer See in this release? MS2026A Application Package V1.56 3-04-2008

General Features

/Anritsu

- No changes

Operating System

- No changes

VNA Mode

- Added dual overlay feature that shows live traces of S21 Log Magnitude and S11 Log Magnitude on the same graph.

- Implemented new SCPI commands for Reference Plane Extension, Smoothing, Dual Overlay, and Smith Chart Reference

  Impedance.

- Bigger fonts used for Vector Voltmeter CW table.

- Big red "Not Calibrated" message will appear in the graph area when device is not calibrated.

- Fixed a problem where Bias Tee is active even though the option is not selected.

High Accuracy Power Meter Mode

-No Changes

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What will the Customer See in this release? MS202XA Application Package V1.55 11-26-2007

General Features

- Problem: OS codeloads are corrupt occasionally

Solution: Verify that Flash writes/erases are correct following each write.

/Inritsu

- Problem: Some instruments were losing critical information from the EEPROM such as model number, options and S/N.

Solution: Added a checksum for this critical data and created a copy of the data so that it could be restored if it is lost somehow.

- Fixes a bug in V1.54 that caused the unit to report Package "None" or "0.00" under System -> Status or remote IDN? Functions.

VNA Mode

- Bias Tee Voltage user entry with 0.1 volt resolution.

- Smith Chart Scaling (Amplitude) Menu for Reference Impedance (50 ohm or 75 ohm).

- Smoothing of S11 and S21 Frequency Domain measurements with Smoothing % user entry.

- Faster Vector Voltmeter (CW sweep) calibration steps.

- Faster sweep speeds by as much as 2 times.

- Reference Plane Extension for port 1 (S11 and S21). Includes automatic reference plane extension using current measurement.

- Improved spur avoidance down to 1 MHz.

- Cal Mode (Standard or FlexCal™) for combinations of Cal Type (1-Port or 2-Port) and Cal Power (Low or High).

- FlexCal™ remains valid when switching between Vector Network Analyzer and Vector Voltmeter Modes.

>>> Note: Upgrading VNA module from older firmware version will do an internal cal (about 15 to 30 seconds) <<<

System displays "** OPTIMIZING IF GAINS - PLEASE STAND BY **" message at bottom of bootup screen or application change to VNA.

Remote Users:

Remote interface was not updated to include new VNA features of Smith Chart scaling, trace Smoothing, Reference Plane Extension, or FlexCal™. It is possible however, that front panel use has placed the VNA Master in FlexCal™ mode without the knowledge of the remote controller. It is our recommendation that a :SYSTem:PRESet be performed prior to remote calibration to remove this potential cause for error.

/Inritsu

HI_PM Mode

- Support for MA24106A USB Power Sensor.

/Inritsu