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 v1.33, 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.

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What will the Customer See in this release? MS2724B Application Package V1.39 3-28-2011

General Features

- The parameter being edited is now displayed in a larger white color font for better readability in poor lighting

- Some improvements to the speed of switching modes (varies with modes).

- Power Offset is now a shared parameter across modes.

Spectrum Analyzer

- Overhaul of the User Interface (see New Measurement Guide 10580-00244 for more details)

  - More setup information is now displayed on the left edge of the screen.

  - Amplitude menu

    - Reference Level Offset is now more consistent with 'Power Offset' used in other modes.

/Inritsu

It now accepts 'Gain' or 'Loss' as terminators and the value is shared with other modes by default.

- BW menu

    - RBW and VBW values are now maintained separately for zero-span measurements.

    - The default value of Span/RBW is now 100.

    - A new button to change VBW average type to Log.

- Marker menu

    - A 'Large' setting is now available for the Marker table to view marker readout in a large font.

- Trace menu

    - A new Trace Info button is now available in the Trace menu to show a concise listing of all parameters

      for the selected trace.

    - 'Reset Sweep' button has been renamed to 'Reset Trace' and moved to the Trace menu.

- Sweep menu

    - 'Manual Trigger' is now called 'Sweep Once'.

    - A new 'Sweep n Averages' button has been added to allow a full set of averages to sweep when the sweep

      is set to Single.

    - A new 'Auto Sweep Time' button has been added.

    - Trigger sub-menu has been revamped with the ability to add hysteresis to the video trigger level.

    - Gated Sweep Setup (Option 90) is now more responsive and has separate controls for the gate view (zero span).

- Improvements and bug fixes to the Field Strength measurement.

Interference Analyzer

- New Interference Mapping capability added.

- Fixed a bug where the 'Save' window would also be saved when saving to jpeg from Spectrogram measurements.

/Anritsu

Channel Scanner

- Fixed several bugs related to Script Master.

CDMA Analyzer

- Improved the Pilot Scanner's Ec/Io sensitivity to about -35 dB when 'Meas Speed' is set to slow.

  As a result of this improvement, the y-axis for this view has been increased to 45 dB.

Mobile WiMAX Analyzer

- Added 'Timing Error' result to Modulation Summary view

- Fixed a bug where Manual DL-MAP settings would cause an error message while performing modulation analysis

LTE Analyzer

- Added support for additional BWs (1.4, 3, 5 MHz).

- Added a new Spectral Emission Mask measurement under Option 0541 (RF Measurements).

- Added support for a "PBCH Only" EVM measurement for measurements made over the air (default selection for OTA-Scanner view).

- Added support for Watts units.

- Added marker support for Channel Spectrum view.

- Changed scale of bars in Control Channel Power view and OTA-Scanner view to better match live signals.

- Changed scale and color of dominance bar to improve readability.

- Added ability to sync to Reference Signals (RS) on 2nd Tx port (10 MHz BW only).

- Made significant improvements to reduce false positives in the OTA Scanner measurement.

/Anritsu

- Fixed a bug with PBCH Power measurements where results were 6 dB higher when directly connected to a Transmitter.

- Fixed a bug in PCFICH power calculation for certain physical cell ID values.

- Added a new Table view that shows Total Powers for Control Channel Power measurements.

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What will the Customer See in this release? MS2724B Application Package V1.36 8-19-2010

General

Improved battery communication handling.

Spectrum Analyzer

- Fixed Powermeter Auto Scale error.

- Fixed a bug regarding display in IA Spectrogram Measurements.

- For Gated Sweep Option 90, fixed the display in Channel Power and Occupied BW Measurements.

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What will the Customer See in this release? MS2723B Application Package V1.35 02-08-2010

General

- Added ability where a user can still acquire an IP address if Ethernet cable is not plugged in at boot-up (takes 15-20 seconds after plugging in cable)

- New File menu with significant overhaul of save/recall

- New signal standards menu with "Favorites" feature

- "/usr" is no longer the default directory when saving to external drives

- Added a feature to allow Shared center frequency across modes

     - By default, this feature is ON

     - Can be toggled at System->System Options->Center Freq Share

- Improved ability to delete multiple user files

WCDMA

- HSDPA view has improved code marker behavior

- Speed enhancements

     3x improvement to multipath

     2x improvement to scanner

Channel Scanner

- Various fixes to scriptmaster

High Accuracy Power Meter

- Fixed bug where sensor would not work if plugged in prior to switching into mode

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What will the Customer See in this release? MS2723B Application Package V1.33 11-02-2009

General

/Inritsu

- Antenna factors for several Japanese antennas corrected in default file

- Customers can now upgrade FW using a USB memory stick

Spectrum Analyzer

- SCPI remote commands added for Gated Sweep Option

- Fixed a bug in recall setup that could cause a power measurement error.

- Improved spur performance over previous version of firmware

Mobile WiMAX Analyzer

- Fixed a bug in the display of BSID when DL-MAP is in compressed mode

- Added absolute power values for preamble power in preamble scanner measurement

LTE

- Initial Release

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What will the Customer See in this release? MS2724B Application Package V1.30 8-20-2009

Master Software Tools compatibility

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

/Inritsu

General Enhancements

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

Support for new High Accuracy power sensors (requires option 19)

o   MA24104A Inline High power sensor 600 MHz to 4 GHz

o   MA24108A Microwave USB power sensor 10 MHz to 8 GHz

o   MA24118A Microwave USB power sensor 10 MHz to 18 GHz

Spectrum Analyzer Enhancements

New integrated code which includes the Spectrum Analyzer, Interference Analyzer and Channel Scanner

o   This greatly speeds up mode switching between these four measurement modes

General Spectrum Analyzer bug fixes

o   Fixed W and V issue in Field Strength measurement

o   Fixed Zero Span and Counter Marker incompatibility issue

o   Fixed Trace A-B -> C issue

o   Fixed Trace B & C Max & Min hold issues

o   Fixed 75O measurement issue

Interference Analyzer Enhancements

New integrated code which includes the Spectrum Analyzer, Interference Analyzer, Channel Scanner and Power Meter

o   This greatly speeds up mode switching between these four measurement modes

/Anritsu

Channel Scanner

New integrated code which includes the Spectrum Analyzer, Interference Analyzer, Channel Scanner and Power Meter

o   This greatly speeds up mode switching between these four measurement modes

WCDMA Enhancements

Added support for HSPA+ (64 QAM only)

Added support for DTX (discontinuous transmission)

o   AMR (Adaptive Multi-Rate) support is included in this update

OTA (Over-the-Air) scanner speed improvement- Approximately twice as fast

Improved CDP (Code Domain Power) over the air measurement performance

o   Lower EVM

o   More active channels displayed

Added RMS Phase Error measurement to Modulation Summary screen

Fixed some W-CDMA bugs

o   Improved ghosting issues in Multi-Path measurement

o   CDP and Constellation measurements now synchronized in HSDPA screen (option 65)

o   Fixed manual SC (Scrambling Code) settings in OTA scanner

TD-SCDMA Measurement Mode

Added CDP (Code Domain Power) marker capability

Added CDP Table measurement

Added support for MBMS (Multimedia Broadcast Multicast Service)

Added SCPI (National Instruments VISA) programming support

/Inritsu

CDMA Enhancements

Added new Limit Test measurement to the OTA (Over-the-Air) option in CDMA

CDMA Scanner improvements

o   Improved PN scan speed by more than 2X

o   Added PN Increment

o   Added a 'PN Sort'

o   Added new Absolute Power measurement field

o   Motorola LMF (base station control software)

o   Fixed a problem with Motorola LMF compatibility

o   Added support for Motorola UBS base stations to LMF

o   Fixed Tau measurement problem with Samsung BTS using external-trigger

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What will the Customer See in this release? MS2723B/MS2724B Application Package V1.27 1-16-2009

General

- A possible power accuracy issue was fixed in the following applications

CDMA, EVDO, GSM, TDSCDMA, WCDMA, Fixed WiMAX and Mobile WiMAX

WCDMA Application

- Manual SC power measurements in OTA now match Auto

/Inritsu

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What will the Customer See in this release?

MS2723B/MS2724B Application Package V1.26 12-4-2008

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

CDMA Application

- Watts unit selection will now scale power results dynamically to mW, uW, pW, etc

Channel Scanner Application

- Added support for running scripts that will enable scanning of many more channels than standard offering.

EVDO Application

- Watts unit selection will now scale power results dynamically to mW, uW, pW, etc

GSM Application

- Added support for 'Script Master' which allows a user to run tests based on scripts generated in MST

High Accuracy Power Meter Application

- Added support for sensors which will be available in the future

Interference Analyzer Application

- Minor Signal ID algorithm enhancements

Spectrum Analyzer Application

- Fixed several bugs related to Markers and Limit lines

- Users can now enter a specific marker frequency value without the instrument 'snapping' to the closest valid freq point

- Added Support for Option 90 - Gated Sweep

- Added a new Emission Mask measurement

- Fixed bug where Saved Measurement files contain Trace B and Trace C data even though they are not being used.

  They are now saved only when the traces are ON when saving

WCDMA Application

- Watts unit selection will now scale power results dynamically to mW, uW, pW, etc

- Added support for 'Script Master' which allows a user to run tests based on scripts generated in MST

- Fixed a bug in the EVM calculation that caused some signals to report a higher symbol EVM

Fixed WiMAX Application

- No changes

Mobile WiMAX Application

- Added a new Preamble Scanner measurement to the OTA option (Option 37)

- Added Max/Min information to Spectral Flatness measurement

TD-SCDMA Application

- Added HSDPA support

- Added Spectral Emission Mask measurement

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What will the Customer See in this release?

MS2723B/MS2724B Application Package V1.25 7-28-2008

General Features

- Updated Signal Standards and Antenna files to fix errors

Operating System

- No changes

CDMA Application

- No changes

Channel Scanner Application

- No changes

EVDO Application

- Added ability to specify a 1.35 MHz span to be used for OBW calculation instead of the standard 2.5 MHz.

GSM Application

- Added BSIC decoding which replaces TSC as a measurement result.

High Accuracy Power Meter Application

- No changes

Interference Analyzer Application

- Fixed a critical bug in Signal ID measurement that would cause the instrument to hang when used in certain spans.

Spectrum Analyzer Application

- Fixed critical bug that would cause instrument to hang when using fast sweeps and Save On Event

- Fixed several bugs in Limit lines and Markers

/inritsu

- Fixed bug that caused manual RBW/VBW values to not recall correctly

- Revised some warning messages to be more informative (ADC Over range, Mixer Saturation, etc)

- Fixed a bug that caused Max Hold to not reset when RBW, VBW changed

WCDMA Application

- Fixed a bug where markers would not read out correctly in non default spans

- Added ability to change units to W and mW

Fixed WiMAX Application

- Improved responsiveness to button presses

Mobile WiMAX Application

- Added CINR measurement to the Constellation, EVM vs. Subcarrier and EVM vs. Symbol views (replaced Freq Error (ppm))

- Ability to switch Freq Error unit from Hz to ppm (due to replacement of ppm result by CINR)

- Improved preamble detection to better sync to a frame when DL burst is lower in power than UL burst

- Improved responsiveness to button presses

TD-SCDMA Application

- Revised Signal Standards

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/Inritsu

What will the Customer See in this release?

MS2723B/MS2724B Application Package V1.24 5-14-2008

General Features

- No changes

Operating System

- No changes

CDMA Application

- No changes

Channel Scanner Application

- Fixed a bug where measurement accuracy was off by several dB on some versions of HW

- Fixed a bug where channel powers and channels (in 'scan channels' mode) recalled from a setup are different from when they were saved.

EVDO Application

- No changes

GSM Application

- Added support for demodulating Siemens BTS model 240

High Accuracy Power Meter Application

- No changes

Interference Analyzer Application

- New measurement called 'Signal ID' added

- In spectrogram, change sweep interval to best accommodate for changes in time span instead of clipping the time span.

- Fixed Spectrogram color map so that it goes from black to red instead of black to blue.

- Changed incorrect warning messages in RSSI when the screen had not yet filled up with data

- Fixed a bug where measurement accuracy was off by several dB on some versions of HW

- Signal standards forced a change in span when channel numbers were changed - this has been changed to no longer change

  span when channel numbers are changed

Spectrum Analyzer Application

- Speed improvements in graphic update of the screen

- Front panel response improved

- Added Zero-span markers and limits

- Added save/recall functionality for Trace B and Trace C

- Added relative reference and scale for trace math

- Added the message "*Settings changed, sweep data invalid*" when a sweep has not been completed with the new setting

/Inritsu

- Min/Max hold on Trace B

- Fixed a signal standard problem where changing span would invalidate the signal standard but not removing it from the screen

- Added resizable marker table

- Added sweep progress indicator at the bottom of the graph

- Fixed a problem where turning on Counter Marker in a narrow span would crash the system

- More robust GPS behavior

- Sweep time display is more stable and accurate

WCDMA Application

- SCPI support added for changing Span in Channel Spectrum view

Fixed WiMAX Application

- Fixed a bug where Alternate ACP when BW = 6MHz was junk (~+46dBm)

Mobile WiMAX Application

- Added support for Compressed DL-MAP

- Added support for 3.5MHz and 7MHz BWs

- Added display of 48 bit BS ID

- Fixed a bug in demodulation when total number of symbols > 12

- Fixed a problem where Constellation display did not display data from all the bursts

- Fixed some bugs in Power vs. Time delta markers when multiple markers are selected

TD-SCDMA Application

- Initial Release

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MS2723B/MS2724B Application Package V1.22 2-29-2008

General Features

- No changes

Operating System

- No changes

Spectrum Analyzer Mode

- Fix to a periodic reference lock fail at 16.0 to 16.2 GHz in MS2724B models.

Interference Analyzer Mode

- No changes

Channel Scanner Mode

- No changes

/Inritsu

WCDMA Signal Analyzer Mode

- No changes

GSM/EDGE Signal Analyzer Mode

- No changes

Fixed WiMAX Signal Analyzer Mode

- No changes

Mobile WiMAX Signal Analyzer Mode

- No changes

High Accuracy Power Meter Mode

- No changes

CDMA Signal Analyzer Mode

- No changes

EVDO Signal Analyzer Mode

- No changes

What will the Customer See in this release?

MS2723B/MS2724B Application Package V1.21 11/26/2007

General Features

- Previously, Gigabit and Terabit 'GB/TB of free memory' message used

integer so it looked like the device was smaller than it was. For

example, using a 2GB CF with 1.7GB remaining displayed '1GB of free

memory', now it displays '1.7GB' instead.

Operating System

- Disconnect/reconnect of 10-Mbit Ethernet would previously

only sometimes recover. Also, when disconnected, the instrument

would slow down noticeably. This has been fixed.

CDMA Application

- Added support for Band Class 6. Carrier BW selection now restricted

to 3 values.

- Added RBW value to marker display and changed resolution of marker

readout to kHz.

- Carrier Freq and Freq Error now show tenth of Hz in display.

- Internal high accuracy (with GPS option) will now be retained as

expected.

Channel Scanner Application

- Previously, recalling setups with custom channel scanning resulted

in invalid, dashed-out channel numbers on the display. This has been

fixed so that the correct channel numbers will be displayed.

- Previously, MS2723B could have wrong values from 12.999990GHz - 13GHz

under various circumstances (including RBW < 30kHz). This was fixed.

EVDO Application

- Added support for Band Class 6. Carrier BW selection now restricted

to 3 values.

- Added RBW value to marker display and changed resolution of marker

readout to kHz.

- Carrier Freq and Freq Error now show tenth of Hz in display.

- Internal high accuracy (with GPS option) will now be retained as

expected.

- Saved traces were losing freq precision from MHz to Hz. More digits

were added after the decimal point (from 6 to 9) to some freq values

that require tenth-Hz precision.

GSM Application

- Modified SCPI command names to be more consistent.

- Internal high accuracy (with GPS option) will now be retained as

expected.

- Pass/Fail defaults would show small negative values as failures.

Test limits have been updated.

- Freq Error had a factor of 10 offset. The error is now fixed.

High Accuracy Power Meter Application

- Added support for the MA24106A USB Power Sensor.

Interference Analyzer Application

- Failure of storage location (int CF, USB, ext CF) full is now

displayed correctly.

- There were previous problems with the autosave feature for RSSI

and spectrogram measurements. In some cases, duplicate files were

saved when the autosave was triggered. Also, some longer-duration

measurements would terminate after only 3 hours. Both of these issues

have been fixed.

- Better reporting for spectrogram measurements trying to set very

large save times in very large memory devices. Previously, this may

have resulted in an error that said the device did not have capacity.

- User is no longer allowed to modify the Min Sweep Time parameter when

in RSSI mode. A message appears on the screen requesting that the user

modify the Time Interval and Span parameters instead.

- Previously, When doing a Preset from RSSI mode, the trace appeared to

be squished on the left side of the graph when measurement is resumed

under the preset conditions. Settings are now properly cleared during

the preset operation.

- Display of parameters was improved in RSSI mode. Previously, when

updating a parameter value, the red text in the upper-left of the plot

on the display would get garbled as the parameter value (or parameter

text) changed. The text would become clear again when the next point

of data was received and displayed. This was most noticeable when the

Time Interval parameter was large (i.e. 5 seconds).

- Unit will not hang up in fast sweep conditions (large RBW, narrow span).

- Previously, MS2723B could have wrong values from 12.999990GHz - 13GHz

under various circumstances (including RBW < 30kHz). This was fixed.

- Error message display was improved so that critical error messages would

not be missed.

- Previously, the min/max parameters of the Signal Strength measurement

could be set backwards (i.e. min > max). This is no longer allowed.

- Improved autoscale feature of the Signal Strength measurement.

Spectrum Analyzer Application

- Some new strings were added to the local language translations.

- Added upgrades to move limit.

- Added vertical limit lines.

- Added limit mirror.

- Improved warnings for marker 1 reference.

- Improved warnings for full screen conflict.

- Changing signal standard channel will no longer revert the span back to

3x the channel width.

/Inritsu

- Video Trigger Levels are now validated to avoid unreasonable values.

- Previously, MS2723B could have wrong values from 12.999990GHz - 13GHz

under various circumstances (including RBW < 30kHz). This was fixed.

WCDMA Application

- Added a Span button under Channel Spectrum that allows a user to

toggle between 10 MHz and 5 MHz spans for more accurate OBW

measurements in a multi-carrier environment.

- Added more digits to the carrier frequency and frequency error

measurements on the display.

- Improved behavior When recalling a pass/fail measurement. Previously,

the ESC key would not exit recall mode properly.

- Improved the spectrum emission mask measurement. Previously, the

instrument would hang if left to measure spectrum emission mask

repeatedly for a long time.

- Internal high accuracy (with GPS option) will now be retained as

expected.

- Spectrum Emission Mask: measurement results for highest levels in each

zone of the spectrum emission mask measurement would report the correct

level but it reported incorrect frequencies. This is now working.

Fixed WiMAX Application

- Internal high accuracy (with GPS option) will now be retained as

expected.

Mobile WiMAX Application

- Added support for extended DIUC.

- Improved filter design to better reject power from adjacent

channels during demodulation.

- Added support for CTC decoding of the DL-MAP to automatically

determine the demodulation parameters.

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What will the Customer See in this release?

MS2723B/MS2724B Application Package V1.17 9-27-2007

General Features

- In some situations the instrument may have failed to boot up completely using the previous version of firmware. This issue is now fixed.

Operating System

- No changes

Spectrum Analyzer Mode

- No changes

/Inritsu

Interference Analyzer Mode

- No changes

Channel Scanner Mode

- No changes

WCDMA Signal Analyzer Mode

- No changes

GSM/EDGE Signal Analyzer Mode

- No changes

Fixed WiMAX Signal Analyzer Mode

- No changes

Mobile WiMAX Signal Analyzer Mode

- No changes

High Accuracy Power Meter Mode

- No changes

/Inritsu

CDMA Signal Analyzer Mode

- No changes

EVDO Signal Analyzer Mode

- No changes

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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.16 9-12-2007

General Features

- No changes

Operating System

- No changes

Spectrum Analyzer Mode

- No changes

Interference Analyzer Mode

/Inritsu

- No changes

Channel Scanner Mode

- No changes

WCDMA Signal Analyzer Mode

- No changes

GSM/EDGE Signal Analyzer Mode

- No changes

Fixed WiMAX Signal Analyzer Mode

- No changes

Mobile WiMAX Signal Analyzer Mode

- No changes

High Accuracy Power Meter Mode

- No changes

CDMA Signal Analyzer Mode

- No changes

EVDO Signal Analyzer Mode

- Fixed a bug where EVDO GUI was looking at CDMA options instead of EVDO options to show RF, Demod, OTA

buttons in Measurements Menu.

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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.15 8-28-2007

General Features

- No changes

Operating System

- No changes

Spectrum Analyzer Mode

- No changes

Interference Analyzer Mode

- No changes

/Inritsu

Channel Scanner Mode

- Preamp is now turned on for Ref Level below -50dBm

WCDMA Signal Analyzer Mode

- No changes

GSM/EDGE Signal Analyzer Mode

- Initial release

Fixed WiMAX Signal Analyzer Mode

- Initial release

Mobile WiMAX Signal Analyzer Mode

- Initial release

High Accuracy Power Meter Mode

- No changes

CDMA Signal Analyzer Mode

- No changes

EVDO Signal Analyzer Mode

- No changes

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MS2723B MS2724B Package V1.14
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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.14 8-10-2007

General Features

- Fixed bug with recall limit.

Operating System

- Fixed bug where some Asian characters would not display correctly.

Spectrum Analyzer Mode

- Fixed bug where recall limit would fail and give no indication it failed. Now it does not fail.

- Fixed bug where TG output power did not use the reference level offset value correctly.

Interference Analyzer Mode

- No changes

Channel Scanner Mode

- No changes

WCDMA Signal Analyzer Mode

- Fixed bug where mode changes with GPS connected caused frequency accuracy errors.

High Accuracy Power Meter Mode

- No changes

CDMA Signal Analyzer Mode

- Fixed bug so carrier frequency reports the measured value correctly.

- Fixed bug where mode changes with GPS connected caused frequency accuracy errors.

EVDO Signal Analyzer Mode

- Fixed bug where mode changes with GPS connected caused frequency accuracy errors.

MS2723B MS2724B Package V1.13
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/Inritsu

What will the Customer See in this release? MS2723B and MS2724B Application Package V1.13 6-18-2007

General Features

- Antenna list handling improved so spaces in the file name are handled correctly.

- Power save increases battery time by decreasing default screen brightness.

- remote command functionality will now handle multiple events.

- Critical data loss from EEPROM happened occasionally, now this is fixed.

Operating System

- Improved OS codeload process--mainly fixed OS codeload failures.

Spectrum Analyzer Mode

- Marker frequency resolution was lost on saved measurements, now recalled measurements show the correct resolution.

- Marker peak search on slow sweeps did not work correctly on the first sweep. Now the correct data is searched.

- Extensive limit upgrades. Save/recall limit, limit envelope, limit absolute/relative, move limit (by frequency).

- application self test displays overall status better now.

- Some warning/error messaging has improved details.

- Certain types of lock failures have been prevented. Also, one LO's failure should no longer cause another LO to fail.

Interference Analyzer Mode

/Inritsu

- No changes

Channel Scanner Mode

- No changes

WCDMA Signal Analyzer Mode

- CDP view would take up to 1 minute to refresh after closing an input window, this has been fixed.

- Traffic analysis measurement capabilities are added using both code utilization and amplifier capacity.

- Frequency error measurements now has averaging which can be enabled/disabled.

- TRACe? SPEC fixed bug where incorrect data was returned.

- Max amplifier output power was not being set correctly under certain conditions. Now it is properly set.

High Accuracy Power Meter Mode

- With max-hold on, When relative power is turned on the data would be lost. This bug has been fixed.

CDMA Signal Analyzer Mode

- Invalid PN numbers were caused when power offset was non-zero. This bug has been fixed.

- 'Slow' measurement mode now averages over more chips to get better frequency error accuracy.

EVDO Signal Analyzer Mode

- Invalid PN numbers were caused when power offset was non-zero. This bug has been fixed.

/Inritsu

MS2723B MS2724B Package V1.11

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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.11 3-29-2007

General Features

- Save file operations previously reported the amount of free space in bytes. This will now be reported in GB, MB or KB as appropriate.

- In some cases, the Status window was not big enough to show everything. This is now a scrollable list box.

Operating System

Spectrum Analyzer Mode

- Recall setups with manual RBW and/or VBW settings would not function properly. This has been fixed.

Interference Analyzer Mode

- Saved measurements may now be recalled from external devices successfully (CF/USB).

Channel Scanner Mode

/Inritsu

- Saved measurements may now be recalled from external devices successfully (CF/USB).

- When Max Hold is set to the 5- second setting, after a few minutes, the unit hangs. This issue is now resolved

WCDMA Signal Analyzer Mode

- Previously, the control channel display was not updating when the user would cycle through the "abs", "rel", "delta" options.

  This has been fixed.

- Saved measurements may now be recalled from external devices successfully (CF/USB).

- The display artifact for "M7" on the CDP display has been removed.

- Measurement sub-menus are now persistent. Previously, the menu would go back to the "Demod" or other higher-level

  menu when a value was entered.

- Markers are now displayed properly on recalled measurements.

High Accuracy Power Meter Mode

- No changes

CDMA Signal Analyzer Mode

- Initial release

EVDO Signal Analyzer Mode

- Initial release

MS2723B MS2724B Package V1.07

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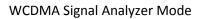>>

What will the Customer See in this release? MS2723B and MS2724B Application Package V1.07 2-15-2007

General Features

- Initial Product Introduction Release.

Spectrum Analyzer Mode

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Interference Analyzer Mode

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Channel Scanner Mode

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WCDMA Signal Analyzer Mode

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HI PM Analyzer Mode

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MS2723B MS2724B Package V1.03
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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.03 1-09-2007

General Features

- Second Introduction Release.

Spectrum Analyzer Mode

- Additional spur dodging put in place.

Interference Analyzer Mode

-

Channel Scanner Mode

-

WCDMA Signal Analyzer Mode

- Improvements to temperature drift compensation values

HI PM Analyzer Mode

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MS2723B MS2724B Package V1.02
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What will the Customer See in this release? MS2723B and MS2724B Application Package V1.02 12-13-2006

General Features

- Initial Product Introduction Release.

Spectrum Analyzer Mode

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Interference Analyzer Mode

-

Channel Scanner Mode

-

WCDMA Signal Analyzer Mode

-

HI PM Analyzer Mode

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/Inritsu