Instrument Software Revision History

Agilent N9340A Spectrum Analyzer

Version A.01.08 (Release Date: July, 2008)

Added Functionality:

Defects Resolved:

- In previous version, battery could be charged even when temperature is between 60℃ and 75℃. In this version, while N9340A is powered on, battery charging will be disabled at 55℃ or higher temperature.

Existing Bugs:

- Repeating cycling power to N9340A, there is little possibility the battery indicator at lower right corner will disappear.

Version A.01.07 (Release Date: June, 2008)

Defects Resolved:

- Pressing Trace1->clear write,trace2->MAX hold,trace3->min hold,freq=0Hz, the spectrum lines of Trace 2 and Trace 3 are wrong.

- Pressing [Mode]-> {Demodulation Analysis}, the display of the first line may become wrong sometime

- N9340A is now USB-488.2 compliant

  *WAI and *OPC? Commands are supported by N9340A.

- Added "EMF" mode,

  Pressing [Amptd] > {More} > {Y Axis Unit}, choosing dBmv, dBµV or V, we can enable EMF mode. With EMF mode turned on, the marker readout will be in dBmv (emf), dBµV(emf) or V(emf), which is 6 dB lower than normal mode.

- Can save trace file into .CSV file

- Returned string from N9340A to PC is end with "\n\0" now, in version A.01.06, it is end with "\n".

Existing Bugs:

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Version A.01.06 (Release Date: Dec, 2007)

Added Functionality:

- Added "Field Strength Measurement" function

You can access this feature by {Measurement} -> {Field Strength Measurement}. You can recall "AntennaTable" for your antenna factors. This table could be edited by N9340A PC software A.01.02 or higher version, which could be got from,

http://www.home.agilent.com/agilent/techSupport.jspx?pid=853785&pageMode=DS&cc=US&lc=eng

- Added "AM/FM Demodulation Analysis" function

You can access this feature by {Mode} -> {Demodulation Analysis}.

Added "AM/FM Demodulation Analysis" Feature. This is an option can be activated by license key. The option numbers are N9340A-AMA and N9340AK-AMA

- Changed the start frequency of N9340A tracking generator to 5 MHz.

Defects Resolved:

- Pressing [Ampt]-> {HiSensitivity -> on}, this function doesn't work at all (in firmware version A.01.05).

- Some time, the temperature readout in [SYS]->{More 2 of 3}->{Show System} will be wrong right after N9340A be powered on

Existing Bugs:

Version A.01.05 (Release Date: Oct, 2007)

Added Functionality:

- Added "PowerMeter" function

  It can be accessed by pressing [Mode]->{Powermeter}. With this function, N9340A can work with Agilent U2000 serials USB Power Meter which could provide more accurate power measurement.

- Added Zero Span in Tracking Generator Mode

  Now span can be set to zero Hz in tracking generator mode. With this feature, N9340A tracking generator is able to output single frequency CW signal.

- Added "High Sensitivity" feature in Amptd Menu

  This is an easy to use feature. With "High Sensitivity" turned on, N9340A will automatically turn on pre-amplifier, set the internal attenuator to 0 dB.

- The Main Channel Bandwidth of ACPR measurement is increased from 20 MHz to 25 MHz.

- Added "PwrOn/Preset" feature in {SYS} menu.

  Customer can set preferred Power On or Preset method in this menu.

Defects Resolved:

Existing Bugs:

Version A.01.04 (Release Date: September, 2007)

Added Functionality:

- Support Multi-Language User Interface, including English, Simplified Chinese, Traditional Chinese, French, German, Italian, Japanese, Korean, Russian, Spanish, Portuguese

- Added Channel Standard feature

  Added 21 predefined standard channels in Frequency menu including GSM, CDMA, US_Cellular_AMPS and etc. Customer could easily set the frequency range by choose these standard channels.

- Added Spectrum Emission Mask function in [MEAS] menu

  Complete spectrum emission mask function is added in N9340A, with Average time setting, Meas Type, Ref Channel, Offset/Limit and failing setting.

- Added "One Button Delete" option

  This option is designed for customer have security requirement. Customer can eras all the data as well as the operation system in N9340A in urgent case. Unit will be out of work unless repaired in Agilent service center.

Defects Resolved:

- Fixed the bug of "Noise Marker readout change when modify RBW"

- In previous version，noise marker readout will change when switching RBW.

- Corrected two spelling error, "Measurement" and "diagnostics".

- Optimized USB stick compatibility, most well known USB memory sticks could be used with N9340A now

- Optimized PC and USB hub compatibility, both USB1.1 and USB 2.0 Hubs could be used with N9340A. Solved the connection issue between N9340A and PC with dual-core CPU

Existing Bugs:

Version A.01.02 (Release Date: April, 2007)

Added Functionality:

Defects Resolved:

- Optimized DSP booting up process to avoid N9340A be locked up occasionally

Existing Bugs:

Version A.01.01 (Release Date: April, 2007)

Added Functionality:

- Changed the name of [Meas] > {SEM} to {Limit Mask}

- Changed the name of [Limit] > {Pattern/SEM} to {Pattern/Mask}

- The color mode and contrast/brightness value is fixed every time after unit powered on

Defects Resolved:

- In tracking generator mode, when modify RBW in BW/SWP menu, the sweep time displayed is wrong

- When marker frequency is set to be higher than stop frequency, there is no error message displayed

Existing Bugs:

Version A.01.00 (Release Date: April, 2007)

Added Functionality:

- Added Tracking Generator measurement mode in [Mode] menu

  This is a license option. Customers just need to activate it with license.

- Added four color modes

Defects Resolved:

- When changing the amplitude unit from dBm to other units, the ACPR measurement result will be wrong

- When pre-amplifier is turned on, the position of limit line will be wrong

- Some time after user preset, the marker amplitude readout will be wrong

Existing Bugs: