

Instrument Software Revision History

Agilent N9320A Spectrum Analyzer

Version A.02.74 (Release Date August, 2008)

Added Functionality:

- None

Defects Resolved:

- Firmware upgrade process is not stable in A.02.72,
- In {Tracking Generator Mode}, turn tracking peak on, then turn on tracking generator output, the N9320A may be locked up, or trace will become abnormal.

Existed Bugs:

- Without external trigger signal, continuing sending TRIGger:SOURce ext;*opc?, some time, 1 will be returned by mistake.
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Version A.02.72 (Release Date May, 2008)

Added Functionality:

Defects Resolved:

- Fully USB-488.2 compliance
- All operations support "*OPC", "*OPC?" and "*WAI"
- Preset unit, then send Conf:acp, the display will be come abnormal.
- In measurement mode, enable delta marker remotely, will cause wrong functionality menu appear
- Alignment fail, Error -340 Calibration Failed 035
- In zero SPAN, Marker readout wrong value
- Auto Tune and Marker to command cannot be executed consequently
- Marker to * (CF, Start, Stop) will cause unit locked up
- Marker position is wrong, when enable delta marker remotely
- Avg=1, no return value when using SCPI command *OPC?
- Continue pressing Align All will cause unit locked up
- Remote Control for a long time will cause unit locked up

Existed Bugs:

- Send two query commands without reading the result, will lead -410 error
- Press mode->tg->on->more->tracking peak, will cause unit locked up
- Send conf:sem;*opc?, no valid data can be returned
- Preset, mode->tg->more->normalize->on->ref trace->view->store re1--4->normalize->off,amp->scale type->lin->log,auto tune, the spectrum displayed is abnormal
- Preset/System->Preset->Span 50KHz->Sweep/Trig->Sweep Time 20s, the actual sweep time is around 15s.

Version A.02.70B (Release Date Mar., 2008)

Added Functionality:

- SCPI commands, including "*OPC", "*OPC?" and "*WAI"

Version A.02.68 (Release Date Feb., 2008)

Added Functionality:

- Update the kernel of OS
- New .CSV file saving format: separate the value and unit

Defects Resolved:

- USB connectivity stability during long-time remote control mode
- Incorrect DNAL adjustment during self-alignment when there is no correct alignment signal
- N9320A gets locked up sometimes after 1000 accumulated Preset without any power cycle

Version A.02.60 (Release Date Nov., 2007)

Added Functionality:

- More error message for self-alignment failures
- ": POWER: GAIN On" SCPI command
- New TOI measurement default setting

Defects Resolved:

- Optimize the algorithm about attenuator compensation during self-alignment
- "Enter" does not function when user input file name to save Limits and Trace
- Next peak point on the screen cannot be found when pressing "Next peak"
- Track generator power sweeps fails to function when users turn on 0 SPAN mode
- Noise level raises in FFT mode when sweep time is set greater than auto value

Version A.02.34 (Release Date Aug., 2007)

Added Functionality:

- Tracking Generator function
- Ref Level Offset, Frequency Offset function
- External Amplifier Gain function
- Saving trace data into .CSV file

Defects Resolved:

- N9320A gets locked up during saving file to USB memory stick
- Incorrect PASS/FAIL information during the first sweep when LIMIT function is used
- Slight frequency shift occurred when sweep time is increased manually
- N9320A gets locked up if users press any key immediately after pressing "Auto-tune"

Version A.01.64 (Release Date May., 2007)

Added Functionality:

- Video trigger function
- Phase Noise Measurement function
- SCPI commands, including phase noise measurement, LIMIT, PRESET LAST and power measurement related SCPI commands

Defects Resolved:

- N9320A fails to start up if user selects "Preset Type" to "User" while no "user preset" has been saved. Menu "Preset/System" -> "Pwr On/Preset"
- Under Single Sweep mode, N9320A only sweeps once even if average is turned on