



Change List for Vista, Win7 Driver 9.1.0.209 to 9.1.0.334

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Atheros is continuing Hot Fixes. This will be a list of running changes as we continue to fix defects against Win7 9.1.0.x base code.
HB116/112 and XB114/112 are not supported in this branch.

Software changes between build 9.1.0.209 and 9.1.0.309 (SID:1417917)

- 1) Add generic INF entries.
- 2) Preparing drive for P2P support.
- 3) Fixed the issues seen in WLK 1.5 NDIS test.
- 4) Fixed HB91 System hangs up when resuming from S3/S4.
- 5) Fixed PHY ERROR of type OFDM_RESTART with Post Delimiter Error causes packet loss even though CRC for packet is ok.
- 6) Rate control optimization for TxBF(not officially supported yet).
- 7) Restructuring synchronization of timer call back with free timer.
- 8) Enabled the Multiple scan support.
- 9) Fixed potential BSOD caused by un-canceled timer.
- 10) Fixed TxBF S/W timer's resolution limited by H/W timer.
- 11) Fixed BSOD when pktlog is enabled on 64-bits OS.
- 12) Fixed SetAntennaSwitch malfunction in BTCox.
- 13) Fixed 5G HT40 TX power setting violates regulatory limits.
- 14) Fixed RSSI truncated to 8 bits.
- 15) Added the support for the new OID_ATH_ASSOC_REQ_IE to append IE's to the Association Request frames.
- 16) Enabled Spectral Scan with registry value control.
- 17) Fixed memory corruption caused by antenna status update.
- 18) Fixed three Stream rates are not supported if the other side does not support Short GI.
- 19) Fixed some RSSI-related functions return invalid values.
- 20) Added a registry key to let BT Coex functionality to adjust BT duty cycle based on the op mode (11g or 11n) and the recently received RSSI.

Software changes between build 9.1.0.309 and 9.1.0.314 ()

- 21) Add generic INF entries.
- 22) Fixed the issues seen in WLK 1.5 NDIS test.
- 23) Added HB95 Antenna diversity combining.
- 24) Preparing drive for P2P support.

Software changes between build 9.1.0.314 and 9.1.0.321 (SID: 1424159)

- 25) Add generic INF entries.
- 26) Fixed HB95 with BT coex showing error link speed while enabled Ad-hoc 11n rate.
- 27) Fixed WLAN could not be turned on after reboot once it is turned off from Mobility Center.
- 28) Fixed BSOD when calling OID_ATH_ADV_STATUS.



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- 29) Fixed BSOD caused by referencing timer handler which is already cancelled.
- 30) Fixed BSOD caused by waiting for canceled timer.
- 31) Fixed MB97/HB97 performance stability.

Software changes between build 9.1.0.321 and 9.1.0.328 (SID: Vista 1426160, Win7 1426158)

- 32) Add generic INF entries.
- 33) HB116/HB112 not officially supported in this branch.
- 34) Fixes reset failure on HB116.
- 35) Added multiple Tx IQ calibration for HB116.
- 36) Added PCIe error monitor utility driver support.
- 37) Fixed HB116 disappear randomly on WIN7 OS.
- 38) Fixed STA cannot connect to DIR-618 by N only mode.
- 39) Fixed SoftAP port cannot be created when scan is in progress.

Software changes between build 9.1.0.328 and 9.1.0.334 (SID: Vista 1429805, Win7 1429849)

- 40) Add generic INF entries.
- 41) Fixed Dynamic MIMO throughput is poor.
- 42) Fixed unable to associate in HT40 mode in DFS-enabled channels.
- 43) Fixed timer related memory leak issue.
- 44) Fixed pre-authentication fail with specific AP.
- 45) Updated GreenTX function for more efficiency.
- 46) Fixed three stream rates are not supported if the other side does not support Short GI
- 47) Fixed connection state machine out of sync when STA receives deauth/disassoc while requesting stop.
- 48) Fixed bad wifi throughput while doing BT TX+wifi TX/RX with AP in 11ng ht20/40 mode.