



Date: 21 June 2018

From: STMicroelectronics

Subject: **Version 3.6 Release Notes SPWF01S-180621-5f9a5a0**

**(1) Highlight:**

This release mainly includes bug fixes

**(2) New Features**

- \* Added WIND:80 to signal a broadcast UDP packet receive
- \* Added ip\_client\_macaddr status variable, to save accepted socket client in miniAP mode
- \* Added Server Name Identifier into SOCKON routine in order to handle connection to server with multiple virtual instances
- \* Updated WPA-Supplicant from version 2.0 to 2.6 and imported patches for KRACK patch.

**(3) Bug fixes**

- \* 393452: fixed watchdog reset on very first AT+S.SETTIME after power-on
- \* Fixed powersave second access on
- \* Lower power consumptions in quiescent mode (13mA to 2mA)
- \* Fixed HardFault in socket server. Now connection is not accepted if module is busy
- \* Fixed HardFault in socket client close
- \* 348255: fixed "WIND:31:WiFi Exception" after "WIND:41:WiFi Disassociation"
- \* Fixed sporadic CRC error on OTA commands
- \* Fixed Data Mode freeze on AP channel change (disassociation or deauthentication)
- \* Fixed Data Mode freeze when STA leaves miniAP due to inactivity, disassociation, or deauthentication
- \* Fixed Data Mode stuck during TCP congestion collapse in low RAM condition. Added an hardcoded 30 seconds max retry time
- \* Increased DHCP server task priority, allowing miniAP to speedup association process
- \* Fixed DHCP server issue on broadcast flag handling
- \* Fixed WEP issue when encryption flag is configured also for broadcast requests
- \* Improved embedded server performances.
- \* Fixed HardFault in socket client open when radio is not yet initialized
- \* Fixed console deadlock condition when attempt to disable radio configured in idle mode
- \* Fixed HardFault when attempt to do scan with radio off

**(4) Backward compatibility changes**

- \* Change factory wifi\_add\_tim\_ie default value to 0
- \* Do not turn off socket server when Network is lost (WIND:33 displayed). Only switch to command mode (if in place), and clean client connection

**(5) Known issues**

- \* 234574: wifi\_channelnum and wifi\_tx\_power configuration variables setting in miniAP mode is demanded to user
- \* 277845: Opened sockets are not automatically closed after disassociation detection (WIND:72) in miniAP mode
- \* 308276: keepalive mechanism for socket clients is not in place. Module is not able to detect when socket server disappears