

Date: 11 January 2017

From: STMicroelectronics

Subject: **Version 3.5.3 Release Notes SPWF01S-170111-665d284**

(1)Highlight:

This release mainly includes bug fixes, and new minor features for module tuning

(2)New Features

- * Added wifi_dtim_period, allowing user to tune miniAP powersave feature
- * Added wifi_add_tim_ie, allowing miniAP to broadcast traffic information map inside beacons
- * Added ip_block_pings configuration variable, allowing user to avoid automatic reply to ICMP echo requests
- * Added ip_dns2 status variable, showing secondary DNS server in use
- * Added Random Transaction ID to DNS question
- * Added CRC check to configuration variables
- * Added WIND:79 to signal an automatic factory reset, due to CRC failure detection at startup
- * Added possibility for miniAP to accept powersaving STAs. DTIM was fixed to 1 (frames not stored)

(3)Bug fixes

- * Fixed input_demo timeout signal on resulting HTML page
- * Fixed garbage characters on UART after WIND:2 when low baudrates were used
- * Fixed DNS TimeToLive issue (Ref: #36899 LWIP bug)
- * Increased DNS client buffer size. Now big payload, up to 512 bytes in size, are managed

(4)Backward compatibility changes

- * Updated configuration variables (WIND:73 displayed)