# Atmosic RF Tool

## Release Note

**SUMMARY:** This document provides details on new features/fixes/known issues of the Atmosic RF Tool.



Atmosic™

Atmosic RF Tool Release Notes
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# Acronyms and Abbreviations

| Acronyms | Definition |
|---|---|
| ATMx201 | ATM2201<br>ATM3201 |
| ATMx221 | ATM2221<br>ATM3221 |
| ATM33/e | ATM3325<br>ATM3330<br>ATM3330e |
| ATM34/e | ATM3405<br>ATM3430<br>ATM3430e |
| ATM5/e | ATM5305<br>ATM5205<br>ATM5305e |
| EVK | Evaluation Kit |
| FW | Firmware |
| OTA | Over-The-Air |
| PV | Photovoltaic |
| SDK | Software Development Kit |

# 1. Purpose

This release note provides details on new features/fixes/known issues as part of the Atmosic RF Tool. This Windows tool application supports the EVK platform with Atmosic SDK 5.4.x (or later) or Atmosic OpenAir Zephyr SDK 26.06.0 (or later), based on the following devices/platforms:

- ATM2201, ATM2221, ATM3201, ATM3221, ATM33/e, ATM34/e, ATM5/e EVKs

Please visit the Atmosic Developer Utilities and Atmosic Products for the following documentation:

- Atmosic RF Tool User Guide
- EVK User's Guide for ATMx201
- EVK User's Guide for ATMx221
- ATM33/e Evaluation Kit User Guide
- ATM34/e Evaluation Kit User Guide
- ATM5/e Evaluation Kit User Guide

# 2. New Features / Functionality

## 2.1 Application Version

The version of any release is displayed on the landing page of the application in the bottom right corner, as shown below -



## 2.2 Application Functionality

The Atmosic RF Test Tool is for testing Tx and Rx RF performance, and Tx output power of the ATM2/ATM3, ATM33/e, ATM34/e or ATM5/e Wireless SoC Series. The RF Test Tool can also be used for Rx sensitivity measurements, FCC/CE pretest, and certification.

# 3. Limitations & Known Issues

The following limitations and known issues apply to this release for all Atmosic devices.

| | |
|---|---|
| **Issue** | The user needs to select the platform before starting the test |
| **Impact** | The tool can't auto-detect which platform is going to be tested. The user needs to select the platform on the GUI. |
| **Resolution** | NA |

# Reference Documents

| Title | Document Number |
|---|---|
| ATM5/e Series Evaluation Kit User Guide | 9973-xxxx-xxxx |
| ATM34/e Series Evaluation Kit User Guide | 6441-xxxx-xxxx |
| ATM33/e Series Evaluation Kit User Guide | ATM33_e-UGEVK |
| DevTools Mobile Apps User Guide | ATM-UG |
| EVK User's Guide for ATMx301/ATMx202 | ATMx201-UG |
| EVK User's Guide for ATMx221 | ATMx221-UG |

# Revision History

| Date | Version | Description |
|---|---|---|
| Nov 2, 2026 | 1.6.16.10 | • Add more ATM5x pre-built images<br>• Add 32K calibration support for ATM5x<br>• Update work flow for ATM34 Bluetooth Channel Sounding FCC/CE/Test |
| July 14, 2026 | 1.6.16.9 | • Add ATMEVK-5205-NQK-2 pre-built image |
| April 27, 2026 | 1.6.16.8 | • Add support to ATM5/e |
| Mar 25, 2026 | 1.6.16.7 | • Fix Channel Sounding CE/FCC Rx test mode |
| Feb 2, 2026 | 1.6.16.6 | • Add support for Channel Sounding CE/FCC Test for ATM34 |
| Dec 19, 2025 | 1.6.16.5 | • Update ATM33/34 prebuilt images based on OpenAir 25.12.0 boards support<br>• Update ATM2/ATM3 prebuilt images based on Atmosic SDK 6.1.0 |
| Aug 18, 2025 | 1.6.16.4 | • Update program_by_openocd.bat for OpenAir 25.07.01 board support<br>• Integrate the ATM33/ATM34 hci_vendor images prebuilt based on the Zephyr SDK<br>• Improve chip test flow |
| May 22, 2025 | 1.6.16.3 | • Update program_by_openocd.bat for different programming approaches for different platforms<br>• Integrate the ATM34 hci_vendor images prebuilt based on the Zephyr SDK |
| Apr 22, 2025 | 1.6.16.2 | • Fix the Tx test infinite mode for ATM34<br>• Add 32K XTAL tuning |
| Apr 22, 2024 | 1.6.16.1 | • Remove plotting Rx NOP statistic<br>• Correct the default Tx Power table |

| | | |
|---|---|---|
| | | • Change the default baud rate to 460800 for the default HCI vendor images<br>• Add saving platform selection in INI config<br>• Fix built-in ATM34 CHCI firmware images for the 15.4 test<br>• Sync 15.4 Rx test CRC with Tx Auto Ack<br>• Export 15.4 Tx test Interval param for tuning<br>• Hint 15.4 Rx test timeout value for continuous<br>• Reformat 15.4 Tx/Rx test results<br>• Separate 15.4 Tx/Rx input param blocks<br>• Enable keyboard arrow key control over the scale tuning UI component<br>• Change 15.4 Tx test power unit (dBm)<br>• Export 15.4 Rx test CRC enable option<br>• Retire the flow for programming the ATMx2xx-x0x image<br>• Pack ATMEVK_3330e_QN_7, ATMEVK_3325_CM and ATMEVK_3406_DQK_2 HCI image<br>• Fix the ATM34x stop command sequence for the single tone Tx test |
| Dec 14, 2023 | 1.6.15.0 | • Update 15.4 Rx test timeout unit<br>• Stop plotting after the window closes<br>• Fix UI expression alignment for selection input with text input<br>• Add a button to refresh COM ports<br>• Support 15.4 test command |
| Nov 22, 2023 | 1.6.14.1 | • Fix the response of the HCI Debug Reg Write parsing for non-ATM34 platforms<br>• Turn off the CTE tab for ATM34<br>• Support Tx packet count for ATM34<br>• Add a combo box to select platforms. Remove auto-selecting on platforms<br>• Bypass retrieving the NOP of Tx for ATM34<br>• Fix 16M Xtal calibration flow for ATM34 |

| | | |
|---|---|---|
| | | • Rename mpf.bat to program_by_openocd.bat |

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