

# FemtoClock™ 3 Wireless (RC381XX)

Programmable Clocks Live Bench Measurement Tool Step-by-Step Guide





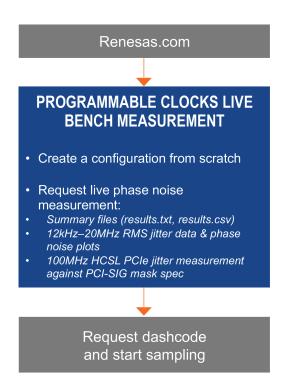
# **SYSTEM OVERVIEW**

#### **SYSTEM PURPOSE**

- Instant access to automated jitter measurements for Renesas' flagship clock devices.
- Support PCle Gen6/7 measurement against latest spec.

#### **SYSTEM BENEFIT**

- No EVB or lab equipment needed.
- Easy dashcode generation and sampling process.
- Most Renesas timing devices support multiple configurations, and once qualified, can be used across different platforms.

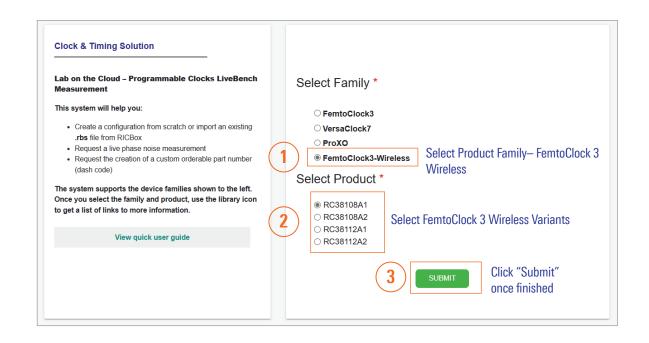


#### **HOW TO FIND THE TOOL**

Access Programmable Clocks Live Bench Measurement Tool from Website: Design Resources → Programmable Clocks Live Bench Measurement



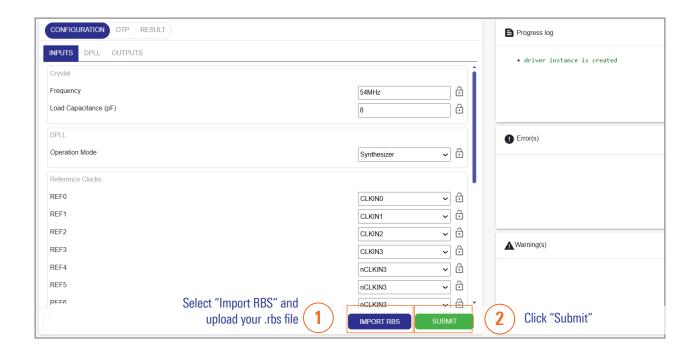
## **SELECTING THE FAMILY AND VARIANT**

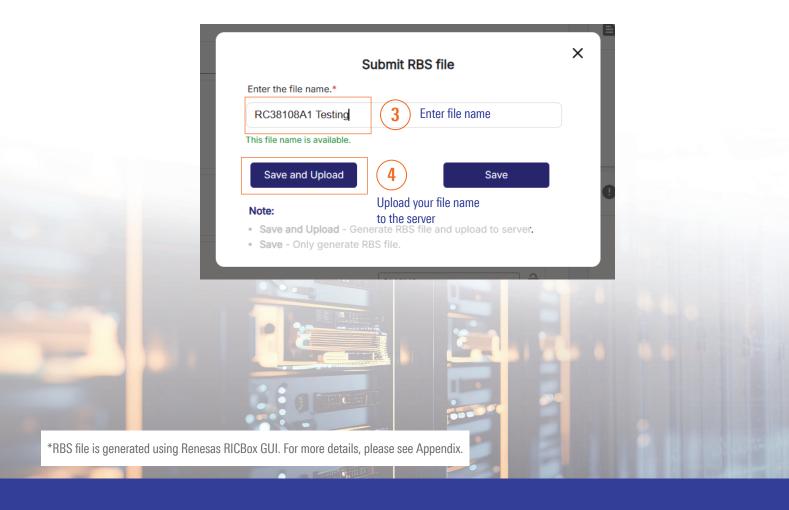




#### **CREATE OR LOAD A CONFIGURATION**

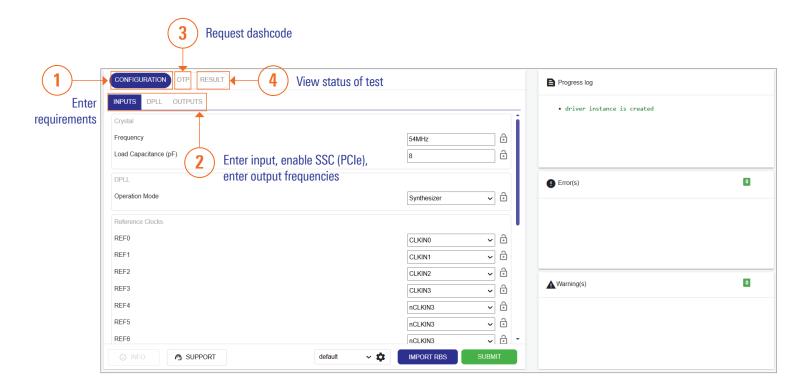
Option 1: Importing an existing RBS file\*



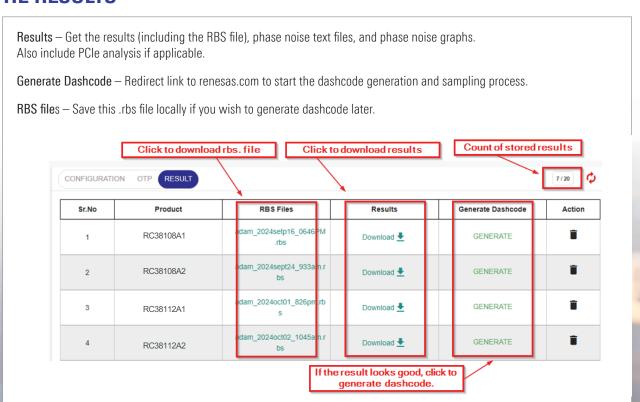


#### CREATE OR LOAD A CONFIGURATION

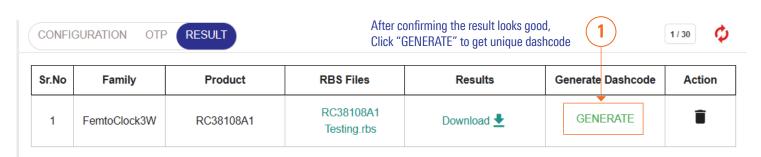
Option 2: No RBS file. Create new configuration from scratch.

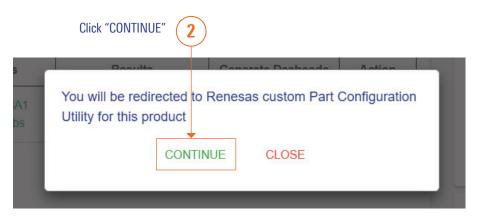


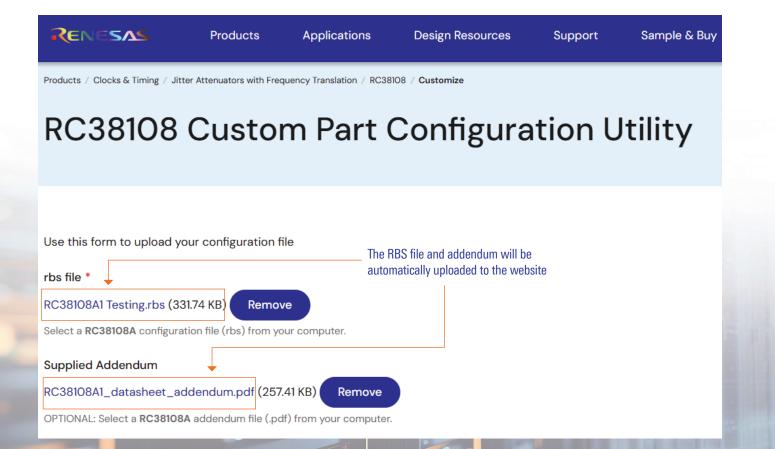
## **GET THE RESULTS**



#### **GENERATE DASHCODE**







## **GENERATE DASHCODE**

Customer Name	7
Kiki	
Company	
Renesas	
Project Name	Enter project informations
Testing	
Application	
Sample	
Sample Schedule	
Sample	
Commer	nts / Special Requests
	ck "Upload" to generate unique das hoode  Bear and start over

# RC38108 Custom Part Configuration Utility

Success! Your custom part number RC38108A107GBB#BCO and documentation has been created. The information below has been emailed to you. Click the link below to request samples.

Custom part number RC38108A107GBB#BCO

Dashcode created.

Request Samples



#### NOTE

#### Storage Limit

- Max 20 test results per user
- Delete older results when full (check counter on results screen)

#### **RBS File Matching**

· Imported RBS must match the selected device

#### **Test Queueing**

- · Requests run one at a time
- · Multiple submissions will be queued

#### **Support Scope**

- · System measures provided configurations only
- For optimization, an application engineer is still needed

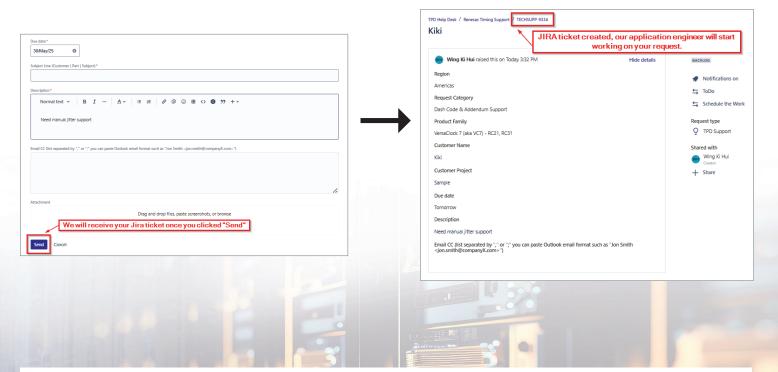
#### **GETTING HELP WITH SYSTEM**

For manual jitter requests or system issues, please submit on JIRA at: https://clocking.atlassian.net/servicedesk/customer/portals → Renesas Timing Support → TPD Support → Product Family "FemtoClock 3 Wireless (RC383xx)" Welcome to the TPD Help Desk Q Search for information Direct person contact or feedback on particular product or services: TPD PLM/Apps product owners. For EVB please proceed to link for sample request or order through distribution. Featured portals **TPD Supply Escalation** Renesas Timing Support We no longer support escalation from this Please submit Applications Engineering technical support requests here **Direct Contact Info** https://renesasgroup.sharepoint.com/sites/IIBU-TPD/SitePages/Contacts.aspx TPD Help Desk / Renesas Timing Support **Renesas Timing Support** Please submit Applications Engineering technical support requests here. What can we help you with? TPD Support

#### **GETTING HELP WITH SYSTEM**

Use a "Request Category" of "Software Issues" to route to the correct Application Engineer for Lab on the Cloud support





## OTHER USEFUL INFORMATION

FemtoClock 3 Wireless Product Pages: RC38108 and RC38112

RICBox Builder Tool: Renesas IC Toolbox (RICBox)

# **APPENDIX**

## WHAT IS RICBox?

#### Renesas IC Toolbox (RICBox) is a software platform that lets users:

- Configure Renesas devices via evaluation kits connected to a PC
- Build configuration profiles for devices with non-volatile memory
- Ensure correct startup behavior, especially for clock devices needing pre-set configurations
- Especially useful when you want your device to boot up with a specific setup automatically



