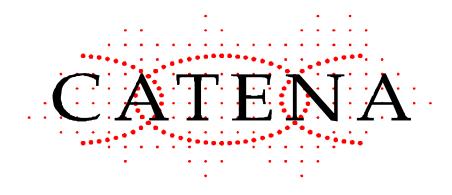
PROJECT: WFAC2X2

FIRMWARE RELEASE NOTE



Document Information		
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Revision Control

Revision	Author	Purpose and Brief Summary of Changes	Date
0.1	E. de Kievit	Describe firmware release R0.9.005	Jun 30, 2020

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1 INTRODUCTION

1.1 Document Purpose and Scope

This document describes the content of the firmware releases for the WFAC2x2 project, variant Begonia MPW1.

1.2 References

Table 1-1 References

Doc#	Reference	Name	Date
19CAIN01_C06S017	[UM]	User Manual v1.1	Dec 10, 2019
17CAIN09_C06S009	[AMG]	API Migration Guide v1.0	Sept 25, 2019

1.3 Abbreviations and Definitions

Table 1-2 Abbreviations

Abbreviation	Meaning

Table 1-3 Definitions

Definitions	Meaning	



2 RELEASE PACKAGE

2.1 Version Identification

Identifier	Value	
target	MPW1	
firmware version	R0.9.005	

For this release, the GetVersion command will reply with the following information:

Identifier	Value	
hw_major	01	
hw_minor	B0 for MPW1	
target_ver	1	
fw_major	0	
fw_minor	9	•
build_nr	5	

2.2 Package Content

The release package contains the following files:

File	Description
WFAC22_01B0_prog.mem	Program memory file, to be loaded by the host
WFAC22_01B0_init.mem	Initialization file, to be loaded by the host

Please follow the load and boot instructions as explained in the [UM].



3 RELEASE CONTENT

3.1 Goal

The main goal of this release is to provide a solution for ticket 6952 (reduce the LB ADC clock from 160MHz to 80MHz). Iin addition, an improvement was done in RX-IQC.

3.2 Supported Functionality

The table below shows which commands are part of this release, and if there are limitations for the command in this release.

Table 3-1 command overview

Command	Status
GEN_GetVersion	Functional
APP_GetStatus	Functional
APP_Sleep	-
APP_Activate	Functional
APP_Deactivate	Functional
APP_GetTemperature	Functional
APP_Calibrate	Functional
APP_CalResistor	Functional
APP_SetResistor	Functional
APP_ConfigTrx	Functional
APP_ConfigFemCtrl	Functional
CLK_SetXo	Functional
TRX_Receive	Functional
TRX_Transmit	Functional
TRX_Stop	Functional
TRX_Park	Functional
TRX_Prepare	Functional
TRX_GetStatus	Functional
TRX_SetTestDc	Functional

4 KNOWN PROBLEMS & LIMITATIONS

None.

