
[Upgraded to revision]

R20TS0706EJ0100

Rev.1.10

RX Family

Jun. 01, 2021

Sample Program for Performing FFT on Analog Input Signals Rev.1.10

Outline

The RX Family Sample Program for Performing FFT on Analog Input Signals has been updated from Rev.1.00 to 1.10.

This application note is supplied free of charge.

1. Products and Versions to Be Updated

- RX Family Sample Program for Performing FFT on Analog Input Signals

Revision: 1.00

Document number: R01AN4015EJ0100

2. Descriptions of the Update

The main features of the update are described as follows. See the application note for details.

- Updated the DSP library version used from Ver.4.1 to Ver.5.0
- Changes of FFT processing
 - Changed the output format of FFT processing results from Q1.31 to Q2.30 due to the update of the DSP library.
 - Changed the processing to ensure that the element [0] (DC component) of the FFT processing result (frequency magnitude characteristic) becomes a positive value.
- Updated software modules used (Firmware Integration Technology, Code Generator, etc.)

3. Updating Your Product

Obtain the program from the URL below. (Released on May.26.2021)

<https://www.renesas.com/search?keywords=R01AN4015>

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4. Related web site

- DSP Library for RX Family (Introduction for DSP Library)
<https://www.renesas.com/software-tool/dsp-library-rx-family>
- Renesas Starter Kit for RX231
<https://www.renesas.com/products/microcontrollers-microprocessors/rx-32-bit-performance-efficiency-mcus/rx231-starter-kit-renesas-starter-kit-rx231>
- FFT Demo using RX Family DSP Library (Introduction video for DSP of RX microcontrollers)
<https://www.renesas.com/video/fft-demo-using-rx-family-dsp-library>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jun.01.21	-	First edition issued

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

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