FRONTGRADE

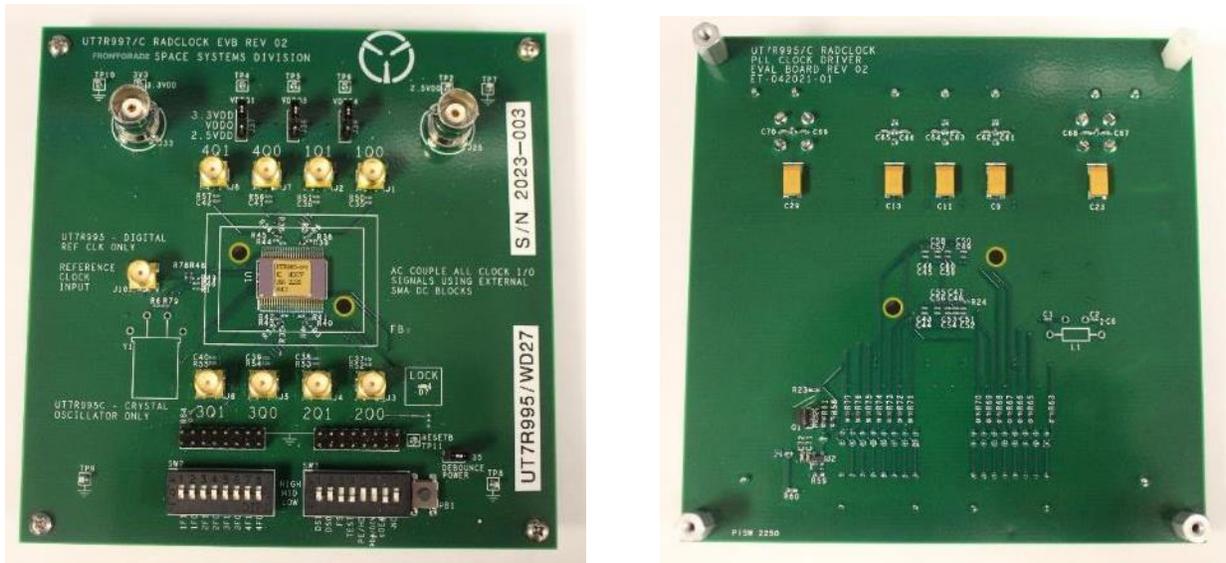## STANDARD PRODUCTS

RadClock™ UT7R995/C-EVB

Evaluation Board

9/14/2023

Frontgrade's UT7R995/C-EVB RadClock™ Evaluation Boards are available to facilitate customers' UT7R995/C RadClock™ board and system-level designs. Specifically, they enable designers to quickly configure and evaluate the many flexible device settings, including clock frequency dividers, output skew, output power supply voltage, and feedback clock signal selection. The primary RadClock™ functional settings are selectable via two banks of eight, three-level DIP switches as shown in the lower part of the top view in Figure 1, below.

Figure 1. UT7R995-EVB RadClock™ Evaluation Board - Top (Left) & Bottom (Right) Views

The UT7R995/C-EVB RadClock™ Evaluation Boards include the following collateral materials for ease of use:

UT7R995/C RadClock™ Calculator Tool:

RadClock_Calc_InstallFiles_3_2_0.zip

UT7R995/C-EVB RadClock™ Gerbers and Schematics Files:

RadClock_Eval_Board_Drawings.zip

Please specify either the UT7R995-EVB or the UT7R995C-EVB, where the UT7R995-EVB is for use with a LVCMOS/LVTTL reference clock input via the SMA jack input, and the UT7R995C-EVB is for use with a crystal oscillator reference clock input. The UT7R995C-EVB ships with a 24 MHz crystal oscillator installed. Please reference the RadClock™ datasheet, Section 1.4, p.9. A link is provided, below.

Frontgrade provides Evaluation Boards for many Standard Products. The UT7R995/C-EVB is recommended for user board and system level clock domain analysis and design. The UT7R995/C-EVB provides a flexible and efficient platform for RadClock™ users in these applications.

A datasheet link is provided here to the Frontgrade RadClock™ product website:

https://frontgrade.com/sites/default/files/documents/Datasheet-UT7R995.pdf

Datasheet: RadClock™ 2.5V/3.3V 200MHz High-Speed Multi-phase PLL Clock UT7R995 & UT7R995C

Product download links are provided here:

https://frontgrade.com/product/ut7r995#downloads   https://frontgrade.com/product/ut7r995c#downloads
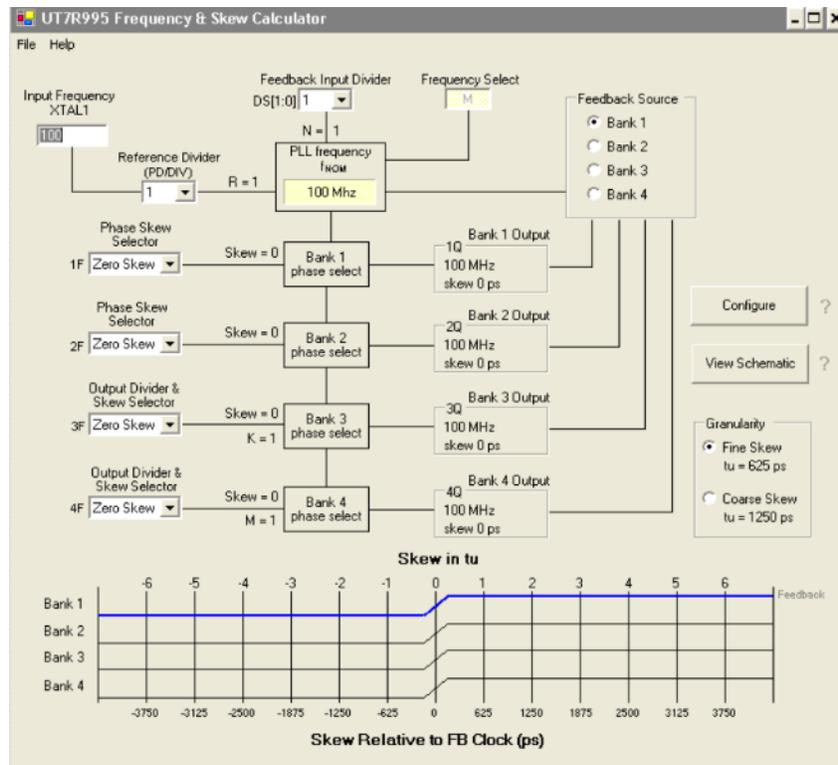
Figure 2. UT7R995/C RadClock™ Calculator and Configuration Tool GUI Example

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