Date: Oct. 25, 2016

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RL*-A066A/E	Rev.	1.00
Title	RL78/G1D: Notes about RF power supply		Information Category	Technical Notification		
Applicable Product	RL78/G1D R5F11Axxx	Lot No.		RL78/G1D User's Manual: Hardware Rev.1.10 R01UH0515EJ0110 (Sep. 2015)		
		All lots	Reference Document			

This document describes append to User's Manual as the following description about a usage note regarding the RF power supply.

1. Notes at the power supply to RF power supply pin(V_{DD_RF},AV_{DD_RF})

Concerning a power supply to the "VDDRF" or "AVDDRF", power supply noise may affect RF operation, especially in case of using a switching regulator bringing periodical noise. It might cause disconnection of Bluetooth communication.

2. Workaround

Please use a low noise power supply, such as a battery. If customer will adopt a power supply containing noise superimposed in output such as a switching regulator, customer shall validate that the device and system of the customer works without problem.

3. Revision of User's Manual

 \bullet Append of the Caution in "chapter 2.5 Power Configuration"

Caution:

- Please implement control measures to suppress noise at RF power supplies (VDD_RF, AVDD_RF) as low as possible.
- Especially, in case of using a switching supply for the power supply, appropriate control measures depending on the device and system of the customer might be needed for the periodical noise of the power supply.
- In such cases, customer shall validate that the device and system of the customer works without problem.

