

PMS150B Power Saving Mode Application Note

Applied for: PMS150B

When using PMS150B MCU, since there's leakage current phenomenon from PA5 I/O pin to ground (GND) if VDD is operated at higher voltage level. Therefore, when VDD is operated over 3V and power-saving mode is required for the system, "**stopsys/stopexe**" must be used in order to enter power-saving mode. Please be noted that PA5 is suggested to be set "Output High" before executing "**stopsys/stopexe**" instruction to reduce leakage current during the power-saving, user can NOT set PA5 as output low. If user needs to set PA5 as "Input" to meet application requirement, the impedance from PA5 to ground should be as higher as system can be, especially, it can NOT connect PA5 to ground directly. The leakage current will be lower when impedance is higher. However, it still needs user to make sure whether the leakage current can meet the appreciation requirement or not ?