Power Management IC Test

Abstract
Power Management IC has been used dozens of years although we did not much focus on. As the mobile device become popular, it is getting highlight. It is the right time to learn about Power Management IC test again. One of distinguished feature of Power management IC is that the device use wide voltage range. For mobile device, 30V ATE instrument can cover most of the devices while automotive & industrial need over 1000V with hundreds of current. It means accuracy is important point for mobile device. Avoiding damage and safety are the major work for automotive & industrial device. This tutorial will show how to test for each device (mobile, high power) using appropriate design & test technique.

Biography
Hyun-Su Kim is a Field Application Engineer of Teradyne Korea. He has been supporting most PMIC device test platform of Teradyne such as ETS364/600 and UltraFlex for last 8 years. Before he joined Teradyne, he worked at Siliconworks fabless design company in Display Driver IC and PMIC test engineer for 5 years. He received his bachelor’s in electronic engineering from Chung-Buk University.