





Dear technical support:

Hello!

We are using TI's UCC21540 device, but there are some questions during the application. Now I want to consult technical support and hope to get your help.

1. Figure 2 in the attachment is the test waveform of INA/B vs. GND for CH2, and the test waveform of OUTA/B for CH4. During the test, when we were at a high temperature of 60°C, the waveforms of the primary side and the secondary side could overlap, but when the ambient temperature rose to 70°C, the waveforms began to appear non-coincidence, and there was a problem of loss of duty cycle. For this reason, I would like to ask what causes this phenomenon? Is there any reasonable solution?

thank you for the help!

NOTE: CH2 is the test waveform of INA/B to GND, CH4 is the test waveform of OUTA/B.