Dear

We are facing a problem when running the SDK on our board. We get error - "VBUS does not reach VSAFE5V".

We selected to start with an example - CCG3PA Car Charger (CLA).

We used PSoC creator 4.2.

We changed part number from CYPD3171 to CYPD3175 following the instructions in Cypress EZ-PD™ CCGx Power SDK User Guide.pdf section ***4.3 Part Number Update (including the bootloader)***

The set up was:

* AMS Board based on CYPD3175
* Miniprog3 connected
* Load: we connected CY4533 to the USB-C connector of the AMS board with standard USB-C cable.
* Enabled SWD interface in system tab

Step 1: Customized CCG3PA Car Charger (CLA) example PSoC creator 4.2

1. Disabled CCG\_TYPE\_A\_PORT\_ENABLE  in stack\_params.h
2. Disabled Page type A
3. Enabled SWD interface in system tab
4. Added debug messages in app\_event\_handler function in the flowing cases:

 APP\_EVT\_TYPEC\_ATTACH

APP\_EVT\_DISCONNECT

 APP\_EVT\_PD\_CONTRACT\_NEGOTIATION\_COMPLETE

1. etc.

Step 2 : disable some functions or define is source code

2.1 changes in config.h

* Disable    /\* BUCK\_BOOST\_EN\_C\_Write(0);\*/
* Disable /\* BUCK\_BOOST\_EN\_C\_Write(1);\*/
* Change function vbus\_ctrl\_fb\_set\_volt to vbus\_ctrl\_fb\_empty // yet not implement in code TBD
* REGULATOR\_REQUIRE\_STABLE\_ON\_TIME disabled in our design

2.2 changes in main.c

* pd\_hal\_set\_vbus\_csa\_rsense(pd\_get\_ptr\_pwr\_tbl(0)->cur\_sense\_res) -disable
* pd\_remove\_internal\_fb\_res\_div()- disable

Q1: Also we measurement in vbus\_is\_present function the comparator sample always return 0 influence?

Q2: vbus\_ctrl\_fb\_set\_volt yet not implemented does it effect to get request f?

Optional device debug message support in config.h

APP\_SDK\_FUNC\_MSG\_VALUE (1u)

APP\_SDK\_FUNC\_MSG (0u)

APP\_EVENT\_MSG (1u)

APP\_POWER\_PDM\_MSG (0u)

APP\_POWER\_RT\_MSG (0u)