

**[Description]:**

How to configure JEITA Compensation?

**[Platform]:**

MSM8998, SDM845, SDM660, SDM670

**[Solution]:**

1, SBL:

the temperature threshold is :  $-30 + (\text{THRESHOLD} * 0.5) \text{ C}$

@boot\_images\QcomPkg\{platform}\Settings\PMIC\pm\_config\_target.c

TRUE, //Enable/Disable JEITA Hard Temp Limit Check in SBL

.....

//To enable configuration, set EnableConfig = PM\_ENABLE\_CONFIG

pm\_sbl\_schg\_jetta\_threshold\_config\_type

sbl\_schg\_jetta\_threshold[1] =

{

{

{0x3C, PM\_ENABLE\_CONFIG }, //JEITA Hard Cold Threshold: default = 0x3C //0C

{0x50, PM\_ENABLE\_CONFIG }, //JEITA Soft Cold Threshold: default = 0x50 //10C

{0x96, PM\_ENABLE\_CONFIG }, //JEITA Soft Hot Threshold: default = 0x96 //45C

{0xAA, PM\_ENABLE\_CONFIG } //JEITA hard Hot Threshold: default = 0xAA //55C

}

};

2,UEFI:

660: @boot\_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig\_VbattTh\_Sdm660.cfg

8998: @boot\_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig\_VbattTh\_8998.cfg

845: @boot\_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig\_VbattTh\_SDM845.cfg

670: @boot\_images\QcomPkg\SDM670Pkg\Settings\PMIC\core\QcomChargerConfig\_VbattTh.cfg

# Configure limits for Battery Temperature (For negative values, use negative sign. Ex: -30)

JeitaCriticalTempLowLimit = -20

JeitaHardColdLimit = 0

JeitaSoftColdLimit = 10

JeitaSoftHotLimit = 45

JeitaHardHotLimit = 60

JeitaCriticalTempHighLimit = 70

#JEITA Charge Current Compensation when in battery temperature soft-limit  
#JEITA CC = min is 0 ma and max is 1575 ma - stpe size is 25mA  
JeitaCcCompCfg = 1000

#JEITA Float Voltage Compensation when in battery temperature soft-limit  
#min is 0 and max .4725 V step size is 7.5 mV - unit is in mV  
JeitaFvCompCfg = 105

#JEITA Float Voltage compensation during soft cold  
JeitaSoftColdFvCompEnable = FALSE

#JEITA Float Voltage compensation during soft hot  
JeitaSoftHotFvCompEnable = TRUE

#JEITA Charge Current compensation during soft cold  
JeitaSoftColdCcCompEnable = TRUE

#JEITA Charge Current compensation during soft hot  
JeitaSoftHotCcCompEnable = TRUE

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