

In SDM660/SDM835 and later

1. Check Table-2-2 in 80-VT310-138 to get C1/C2/C3 according to your NTC Beta value. If you have no license for 80-VT310-138, raise case to QC and let us know your NTC Beta value, we will get C1/C2/C3 value for you. Take the B=4250K as example, C1=0xd2, C2=0x50, C3=0xff.

2. Set C1/C2/C3 in boot_images\QcomPkg\Drivers\QcomChargerDxe\QcomChargerConfig_VbattTh_Sdm660.cfg or QcomChargerConfig_VbattTh_8998.cfg

ProgramBattThermCoeffs = TRUE

BattThermC1 = D2

BattThermC2 = 50

BattThermC3 = FF

#based on ThermB and pull up resistor value

BattThermHalfRangeInC = 25

In SDM660/SDM835 previous platform

1. Raise case to QC and provide your NTC Beta value, we will get C1/C2/C3 value for you. Take the B value 4050 as example, C1=0x85EC, C2=0x4A75, C3=0x35FC

2. In dtsi file, take pmi8994 as example

```
&pmi8994_fg {
```

```
.....
```

```
qcom,thermal-coefficients = <EC 85 75 4A FC 35>;
```

```
};
```

Basically, bigger Beta value, lower accuracy. So Beta value lower than 4000 is recommended.