

INTERNAL USE

**MTK\_MT8183\_N  
Customization\_SC  
Thermal\_v1**



# MTK\_MT8183\_N Customization\_SOP\_ Thermal\_v1



# Recommend for Bring up issue

Thermal projecting function will trigger reboot/shutdown once any thermal zone overheat.

- What case cause a bring up issue

- NTC table is NOT match between source code to really thermal resistor value.

- Workaround

- BTS return 0 degree to avoid reboot issue of wrong temperature.

```
diff --git a/drivers/misc/mediatek/thermal/common/thermal_zones/mtk_ts_bts.c
      b/drivers/misc/mediatek/thermal/common/thermal_zones/mtk_ts_bts.c
```

```
index 074c2a2..00b1941 100644
```

```
--- a/drivers/misc/mediatek/thermal/common/thermal_zones/mtk_ts_bts.c
```

```
+++ b/drivers/misc/mediatek/thermal/common/thermal_zones/mtk_ts_bts.c
```

```
@@ -593,6 +593,8 @@ int mtkts_bts_get_hw_temp(void)
```

```
    t_ret = get_hw_bts_temp();
```

```
    t_ret = t_ret * 1000;
```

```
+ t_ret = 0;
```

```
+
```

```
    mutex_unlock(&BTS_lock);
```

**MEDIATEK**

*everyday genius*