

Declaration of changes from Initial HH40L2 to Variant HH40L2

General: HH40L2 is a variant product of HH40L2:

● SOFTWARE MODIFICATIONS:

- OS update (e.g. from Android 12 to 13) / change (e.g. from Android to other OS) : **NO**
- Protocol Stack changes: **NO**
- MMS/STK/USAT/USIM changes: **NO**
- DM/SUPL/VT/FUMO/SWP/HCI: **NO**
- Other changes detail: **No**

● HARDWARE MODIFICATIONS:

- Baseband changes: **NO**
- Band changes: **NO** Main bands for conformance testing changes (Yes/No): **NO**

Product	GSM	UMTS	LTE	LTE CA	5G NR SA	5G NR NSA
HH40L2	GSM900/1800 /1900MHz	Band 1, 8	FDD Band 1, 3, 5, 8, 28 TDD 41	NA	NA	NA

Band change details for LTE CA/5G NR SA/NSA: (if applicable)

Technology	HH40L2	HH40L2
LTE CA	NA	NA
5G EN-DC	NA	NA
5G NR-CA	NA	NA

- PCB layout/material changes: **NO**
- Main components changes: (备注：如下的频段列表是variant model 的频段，后面的器件是与原型机的器件对比结果：如果是新增的频段，那么器件变化的部分是new；如果是相同band的器件变化了，就是填写Yes)

GSM	Base Band	Antenna	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
GSM 900	NO	NO	NO	NO	NO	NO	NO
GSM 1800	NO	NO	NO	NO	NO	NO	NO
GSM 1900	NO	NO	NO	NO	NO	NO	NO

UMTS	Base Band	Antenna	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
UMTS FDD I	NO	NO	NO	NO	NO	NO	NO
UMTS FDD VIII	NO	NO	NO	NO	NO	NO	NO

LTE	Base Band	Antenna	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
LTE B1	NO	NO	NO	NO	NO	NO	NO
LTE B3	NO	NO	NO	NO	NO	NO	NO
LTE B5	NO	NO	NO	NO	NO	NO	NO
LTE B8	NO	NO	NO	NO	NO	NO	NO
LTE B28	NO	NO	NO	NO	NO	NO	NO
LTE B41	NO	NO	NO	NO	NO	NO	NO

Other Radio	Antenna	AP	MODEM	Transceiver	Balun	Band pass filter	Triplexer
Wi-Fi	NO	NO	NO	NO	NO	NO	NO

- FM changes: **NA**
- GPS changes: **NA**
- Memory/TP/LCD/ Camera/SIM changes: **No**
 - Other changes detailed: **Yes**, Add external antenna matching and external antenna SMA connector, Commercial unit will be with battery or without battery.

battery

● **MECHANICAL MODIFICATIONS:**

- Use new metal front/back cover or keypad: **No**, it's as same as the previous version, just making an interchangeable insert at antenna area
- Mechanical shell changes: **Yes**
Whole size of EUT: **As same as previous version (140 x 37.5 x 108mm)**
Distance of Ear reference point to bottom of handset: **N/A (as same as previous version)**
Other trinkets to change the surface of handset: **No**
- Other changes detailed: **No**, (just add external antenna) (e.g. new mechanical design)

Before:

After:



● **Accessory changes:**

- Use new charger/battery/headset/USB cable: **NO**

● **Update of standards:** NO(是否涉及版本变化, 填写yes, no即可, 无需具体)

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