

## Product Change Description

As the applicant of the below model, HMD Global Oy declares that the product,

TA-1413(FCC ID:2AJOTTA-1413),TA-1429(FCC ID:22AJOTTA-1429)

HW: V01

SW: 00WW\_0\_010

is the variant of the initial certified product,

TA-1413(FCC ID:2AJOTTA-1413, Date of Grant: 05/16/2022),

TA-1429(FCC ID:22AJOTTA-1429, Date of Grant: 05/17/2022)

HW:V01

SW: 00WW\_0\_017

### SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/SUPL changes: NO

STK/USAT changes: NO

Browsing changes: NO

Other details:

1.Android A12 provides common Patch upgrade for UMS9230 1st and 2nd substrate software engineering;

2.Android A12 provides a baseline version, compatible with UMS9230 1st and 2nd substrate;

3.There is no other software changes

### HARDWARE MODIFICATION:

Band changes: NO

## Power Amplifier changes: NO

Antenna changes: NO

PCB Layout changes: NO

Components on PCB changes: Yes, CPU changes to 3rd substrate, please see details below;

LCD changes: NO

Speaker changes: NO

Camera changes: NO

Memory changes: NO

Vibrator changes: NO

Bluetooth changes: NO

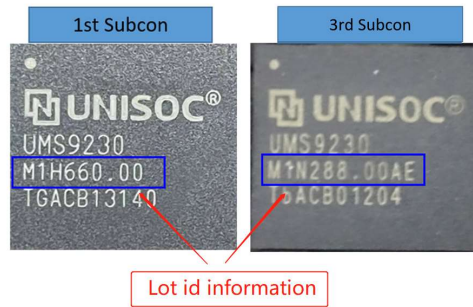
FM changes: NO

CPU changes: YES, add 3rd substrate for CPU UMS9230, only assembly Site changes, to expand capacity.

### Details:

1. Hardware reference design unchanged, chip PIN to PIN, Datasheet updated.
2. UMS9230 is a BB chip, add 2nd substrate with assembly Materials change, no other changes
3. UMS9230 is main BB chip, not integrates RF transmitters, memory.
4. From Unisoc side, they are the same series chip and also P2P completely compatible, did not update the block diagrams to distinguish the two chip.
5. They use the same PMU UMP510G
6. They use the same RF Transceiver SR3595D
7. There is no difference between two source about the form, fit, function, quality and reliability.

The chip (1<sup>st</sup> and 3<sup>rd</sup> substrates) can be distinguished from Lot ID



Other changes: NO

## **MECHANICAL MODIFICATIONS:**

Use new metal front/back cover or keypad: NO

Other changes detailed: NO

## **ACCESSORY MODIFICATIONS:**

Battery changes: NO

AC Adaptor changes: NO

Earphone changes: NO

on our behalf.

Date: 2022/11/07

City: Espoo

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Function: GM, Operations

Signature: