

# Permissive Change Request Letter

## For Certification Service in the USA

### Federal Communication Commission

Equipment Authorization Division, Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21048

### To whom it may concern

Pursuant to CFR § 2.1043 and RSP-100, the company as listed below hereby requests a Permissive Change Class II / Re-assessment.

MODEL NUMBER: (MODEL NUMBER OF UNIT TESTED)	T6900
FCC ID:	2AH25T6900
Granted on:	09/05/2019
Product description:	Smart POS system
Brand name: (if any)	SUNMI
Company Name:	Shanghai Sunmi Technology Co.,Ltd
Address:	Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District Shanghai China
Phone:	+86 18501703215

The Reason for the PC II request are the following modifications to the original product:

#### Modifications:

#### SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/SUPL changes: NO

STK/USAT changes: NO

Browsing changes: NO

Other changes detailed: YES

1. Software adjustment were made to be compatible with the backup LCD Display.
2. Software adjustment were made to be compatible with the backup Camera.
3. Software adjustment were made to be compatible with the backup CPU (MT8765V/WA).
4. Software adjustment were made to be compatible with the backup memory.
5. Software adjustment were made to be compatible with the MH1902T chip.
6. Software adjustment were made to be compatible with the NFC chip FM17660.

The software changes have no import on the RF performance. The tests that were performed supporting this statement.

#### HARDWARE MODIFICATION:

- a. Add a backup NFC antenna(model:SH19038IB100-6). It is the same as the original model but from another supplier. The type and gain (impedance) is the same.
- b. A backup CPU(model:MT8765V/WA)was added.This chip is pin compatible. It is the same chip but an updated revision from V1.0 to V1.1. This chip handles BT, Wlan, GPS and GSM/WCDMA/LTE. So it is RF relevant.
- c. A backup 27.12MHz Crystal (model: SX20Y027120BA1T) for NFC part was added.
- d. The MCU was changed from model MH1902 BGA121 to model MH1902T BGA121. This chip is not pin compatible. Therefore also PCB design changes were done to make it compatible with the different pin layout. This  $\mu$ C is not part of any transmitter.
- e. The applicant added a backup NFC chip (model: FM17660) the chip is pin compatible. Since it is handling NFC transmission it is RF relevant.
- f. The applicant added a backup LCD display (model: LMFH055100970).
- g. The applicant added a backup camera (model: LH-XC-5035COM-B1691-V9.0)
- h. The applicant added a backup battery (model: F50024MA)

Other changes:

- a. The applicant has added a backup PCB supplier (ZHIHAO).
- b. On the battery label the KC and PSE logo was added.
- c. The AC Adaptor supplier added a vendor logo to its label.

Comment:

The new Variant T6900 with the software version V1.0.2 and the hardware version B1691\_MAIN\_PCB\_V1.1 that was used for C2PC tests includes all changes above.

The following new exhibits will be uploaded:

- CXX, JBP, DSS, DTS, NII and PCB EMC/RF Test report
- RF Exposure Info
- Internal Photos
- Block Diagram
- BOM and Partlist
- Schematics
- Cover Letter
- New Components info
- Test setup Photos

Sincerely,

Signature		Date	2022/3/4
Printed Name	Fang Lu	Job Title	Certification Engineer
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