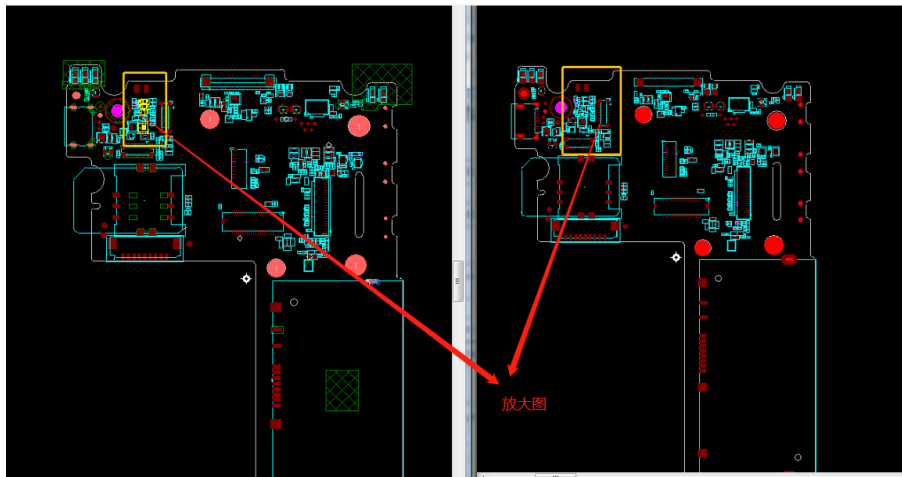# Request for Class II Permissive Change

FCC ID: 2AH25W6900
Date of Original Grant: 06/27/2018

TO: Federal Communication Commission

Please be notified that we, the undersigned, **Shanghai Sunmi Technology Co.,Ltd.** declare that the reasons for this Class II permissive change are as below:

1. Software modification: upward compatibility of the Hardware changes
2. Support feature of the finger print clip;

放大图

After   before

The list of additional devices is mainly as follows:

R1440110023LA	MOS 管-P 沟道 MOS 管	P MOSFET	MOS-P,-12V,-10A,0.012 Ω,DFN,2.1*2.1*0.8	Prisemi	PPM6N12V10	1	Q1811
R1411400015LA	齐纳二极管	Zener Diode	Zener,150mW,3.3V,SOD523,0.6	ROHM	EDZVFH3.3B	1	D1801
R1430110022LA	三极管-NPN 三极管	TRANSITOR-BJT-NPN	TRANSITOR-BJT-NPN,With Bias Resistor,VMT3	ROHM	DTC143TMT2L	1	Q1807
R1440120011LA	MOSFET(N 沟道)	DIODE	TRAN_N-channel with ESD protection,Vgs=+/-6V,SOT523	WILL	WNM4002-3/TR	1	Q1801

3. Support the anti-disassembly of front housing;

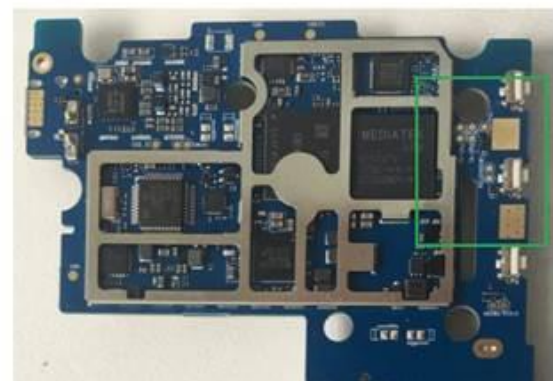After   before

The list of additional devices is mainly as follows:

R6614000226LA	B0451_WALL_PCB_2 层板 _V1.0	PCB	B0451_WALL_PCB_2LAYER_V1.0_12.7*6.5 *1.5±0.1	深联	B0451_WALL_PCB_V1.0	1	W1401

4. Support the anti-disassembly of front housing. Add another alarm position.

After   before

5. Add the VSYS feature (VSYS is VBAT)

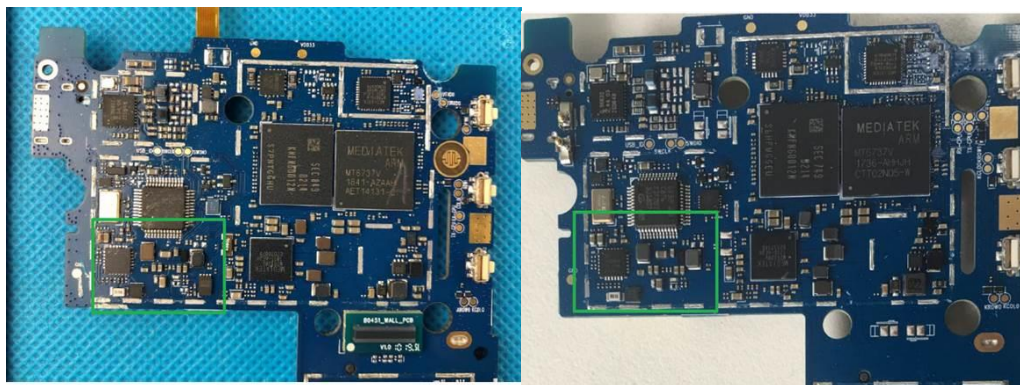Before   after

The list of additional devices is mainly as follows:

R1150003324LA	单通道 LDO	IC-LDO	LDO, 3.3V/300MA, 1*1*0.37	WILL	WL2810D33-4/TR	1	U103
R1440120011LA	MOSFET(N 沟道)	DIODE	TRAN_N-channel with ESD protection, Vgs=+/-6V, SOT523	WILL	WNM4002-3/TR	1	Q103

6. Add Fuel Gauge

| After | before |

The list of additional devices is mainly as follows:

R1190011003LA	芯片-库仑计	IC-Fuel Gauge	IC-Fuel Gauge，I2C，14bit ADC，TDFN8，2*3*0.9	CellWise	CW2015CHBD	1	U0901

The list of change devices is mainly as follows:

Before the change							
R1110061015LA	8 路电平转换芯片	IC_LEVEL SHIFTER	IC_LEVEL SHIFTER, 8-bit, for push-pull, TQFN, 3.076*3.076*0.8	SGMICRO	SGM4568YTQG20G/TR	1	U1305
After the change							
R1150070053LA	8 路电平转换芯片	IC_LEVEL SHIFTER	IC_LEVEL SHIFTER, 8-bit, for push-pull, CSP20, 2.4*1.9*0.68	UNION	UM3308	1	U1301

7. change USB connector, USB change it from 14pin to 16pin
8. add an adapter TPA-23A050200UU01

Same as the original model except for the changes listed

Test assessment:
Part15B:
Re-test
SAR:
Worst case for each frequency
RSE/EIRP/ERP：
Worst case for 2/3/4G

Thank you.
Sincerely,

Zhang Wentang

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