

Request for Class II Permissive Change

FCC ID: ZMOMA510GL

Date: 2021-11-29

Dear Sir/Madam,

Subject: FCC Class permission change for FCC ID: ZMOMA510GL

Original Grant Date: 11/07/2019

This project is a CIIPC submission to our product: Module, model: MA510-GL, the device is identical to the previous certified except for the changes as below:

◆ **HARDWARE MODIFICATIONS:** Power Amplifier changes.

GSM PA:Manufacturer: RadRock(Shenzhen) Tech Co.,Ltd, Model name:RR88916-21S

- 1).The new chip component is pin-for-pin compatible.
- 2) The new chip has the same basic function and spec as the old chip, Only the manufacturer is different.
- 3) No change in radio parameters has occurred.
- 4) The same conditions apply when a small area (approximately the same area as the chip) of the PCB is replaced with an equivalent chip.

◆ **HARDWARE MODIFICATIONS:** EMC component optimization

1) Add some capacitance and resistance devices to optimize the EMC circuit

- | | | |
|-----------|-------------|--------------------|
| 1. SW0701 | SAW | SAFFB1G56KB0F0A |
| 2. U0701 | LNA | RLA1631 |
| 3.L0703 | Inductance | LQP02HQ56NJ02 |
| 4.C0702 | Inductance | LQP02TN1N5B02D |
| 5.R0704 | Inductance | LQP02TN9N1H02D |
| 6.R0701 | Capacitance | GRM0225C1C330JA02L |
| 7.L0701 | Inductance | LQP02TN3N9B02D |
| 8. R0715 | Resistor | RC0100JR-070RL |

delete:

U0705 SAW DEA102180LT-6341B1

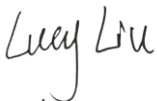
change:

R0713 Inductance LQW15AN10NG80 → Resistor RC0402JR-070RL

- 2) Does not affect RF performance
- 3) PCB Layout is exactly the same

If you have any questions regarding this application, please feel free to contact me

Sincerely,



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