



55 Hawthorne Street, Floor 4  
San Francisco, CA 94105

**gomotive.com**

April 18, 2022

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia MD 21046

Subject: Requesting Class II Permissive Change

FCC ID: 2AQM7-36

The purpose of this letter is to request a Class II Permissive Change for FCC ID: 2AQM7-36, Original Grant Date: 06/09/2021.

Applicant: Motive Technologies, Inc.

The changes filed under this request are all to substitute components due to supply issues. The resulting product is electrically identical to what was originally certified in all RF aspects: no changes to output power, operating frequency, basic frequency determining and stabilizing circuitry (including clock/data rates), frequency multiplication stages, basic modulator circuit or maximum power or field strength ratings.

There will be no change to product identification and no cosmetic or label change.

1. USB conditioner alternative: changed layout and added C5001, R5001, and R500 in order to allow substitution of TUSB 213 in place of TUSB217
  - a. New add C5001, R5001, R500
2. USB connector alternative
  - a. J5 symbol and footprint update to support new Simula USB connector
3. GPS V\_BCKP
  - a. Connected to V3.3\_IO domain in order to fit both UBlox and Quectel GPS receiver
  - b. BOM change C91, R82, C1118
4. LTE desense elimination
  - a. To remove EMI tape from the current design, we add capacitors: C5005, C5006, C5007, C5008, C5009, C5010, C5011, C5012, C5013, C5014, C5015, C5016, C5017
  - b. BOM change C1186, C1191, C1117, C1118
5. PMIC change
  - a. Change from Ti TPS65216/ 65218 to MPS MP5416 solution
  - b. GPIO1\_16 assign to VIN\_state
6. Board ID change

- a. Change ID from 13 to 14, BOM change
- 7. LTE power
  - a. Footprint update for supporting RGR and RTK package
- 8. Battery charger change
  - a. Change to MPS MP2710 and reserve support for MP2660
- 9. Reset IC
  - a. New Greenpak IC, adding power on sequence control

Sincerely,

A handwritten signature in black ink, appearing to read "Daniel A. Nelson". The signature is fluid and cursive, with a prominent initial "D" and "N".

Daniel A. Nelson  
Director of Compliance