**1- Package Content & Revision History**

**2018 Chevrolet Bolt 150kW 400V FWD EDU**

The following is a listing of the contents of this ALPHA Map Data Package along with the suggested citation format and revision history of the material. Use of any NCAT documents listed below, included as part of the complete test data package, should reference the suggested citation provided. Note that SAE Papers included in the package should utilize the designated SAE CITATION format.

**SUGGESTED CITATION:**

*2018 Chevrolet Bolt 150kW 400V FWD EDU – ALPHA Map Package*. Version 2023-09. Ann Arbor, MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2023.

**TEST PACKAGE CONTENTS:**

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| 1– Package Content & Revision History.docx | Brief overview document listing the contents, revision history & suggested citation format of the package |
| 2– Related NCAT Packages.docx | Listing of related NCAT Test Data and ALPHA Map Packages |
| 3a– 2018 Chevrolet Bolt 150kW 400V FWD EDU – ALPHA Generation Process.html | NCAT summary report describing the process followed to generate full efficiency and power loss maps |
| 3b– 2018 Chevrolet Bolt 150kW 400V FWD EDU – SwRI Test Data.xlsx | A variable file containing data collected during testing; parameters include speeds, loads, efficiencies, power, and torque losses |
| 4a– 2018 Chevrolet Bolt 150kW 400V FWD EDU – Efficiency.pdf | Contour plot of the Efficiency results of the mapping over the full operational area |
| 5a– 2018 Chevrolet Bolt 150kW 400V FWD EDU – Power Loss.pdf | Contour plot of the Power Loss results of the mapping over the full operational area |
| 6– 2018 Chevrolet Bolt 150kW 400V FWD EDU – Electrical Power Consumption Data.xlsx | Electrical power consumption and efficiency data over the operating range of the emotor extracted from the NCAT generated final power loss and efficiency contour plots (Package Contents 4a and 5a) |
| 7– emachine\_2018\_Chevrolet\_Bolt\_ 150kW\_400V\_FWD\_EDU.m | ALPHA output result text file |

**REVISION HISTORY:**

Version 2023-09: Initial release