Infotainment ECU Validation Test Report

# 1. Project Information

Feature Under Test: Bluetooth Connect & Invalid Command  
Simulation Method: python-can (Virtual CAN)  
Date of Execution: \_\_\_\_\_\_\_\_\_\_\_  
Test Engineer: \_\_\_\_\_\_\_\_\_\_\_

# 2. Test Summary

This report summarizes the validation of infotainment ECU features using a CAN simulation setup. The test cases were executed sequentially in a simulated environment without requiring real hardware.

# 3. Test Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Feature | Input | Expected Result | Actual Result / Pass-Fail |
| TC\_01 | Bluetooth Connect | 0x100:[01] | 0x101:[AA] | PASS |
| TC\_02 | Invalid Command | 0x100:[FF] | 0x101:[00] | PASS |

# 4. Observations

• Both positive and negative test cases executed successfully.  
• No ECU errors or message mismatches observed.  
• Validation confirms correct behavior for the tested features.

# 5. Conclusion

The infotainment ECU simulation using python-can validated the Bluetooth connection and error handling feature successfully.