**Test Results Template-- ECE 458 Spring 2020**

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| Test Name | MuteBot Enclosure | | Test Number | 5 | | | |
| Requirement(s) Tested | | 1 | Verification Method | I | A | D | T |
| Test Setup  -Include HW or SW Versions  -Attach Diagrams as appropriate | | 1. Raspberry Pi 3B+    1. OS: Raspbian v10 2. Connections to Pi:    1. USB Sound Card into USB port    2. HDMI cable into HDMI port    3. Micro USB into Micro USB port    4. Ethernet cable into Ethernet port    5. Keyboard & Mouse into USB ports    6. 3.5mm cable into Microphone (Pink) port of USB soundcard    7. IR Remote shield connected to pins 1 to 26 3. Connections to TV:    1. Micro USB cable into USB port    2. 3.5mm cable into 3.5mm headphone port    3. Power cable into power port    4. Antenna into Coaxial port 4. Other Connections:    1. Connect HDMI cable to secondary Monitor    2. Connect TV Power cable to power outlet 5. Other Materials:    1. Westinghouse TV remote 6. TV Settings:    1. Powered On    2. Channel set to 10.1 (NBC)    3. Volume set to Half (Aligned with vertical marker on Volume bar | | | | | |

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| Test Step | Action (Attach test data, diagrams, etc. as appropriate) | Expected Result | Observed Result | Pass  Fail |
| 1. | Attach both sides of the shell onto the Raspberry Pi | Raspberry Pi is enclosed with all exterior ports exposed | MuteBot system’s enclosure is not 3D-printed and assembled | Incomplete |
| 2. | Place the Enclosure 2 in. in front of the Westinghouse TV’s IR sensor | Westinghouse TVs display and IR sensor is not obstructed from the viewer | MuteBot system’s enclosure is not 3D-printed and assembled | Incomplete |
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| Comments  Due to the Corona Virus pandemic, our team is not able to retrieve the MuteBot system from Umass Dartmouth. Since Umass Dartmouth is not letting students onto the campus, we cannot determine the final dimensions for the MuteBot enclosure. The team needs final dimensions in order to 3D-print the enclosure and run its proper tests. For these reasons, all tests for the MuteBot enclosure have been marked as incomplete. These test results are subject to change if our team is able to retrieve the MuteBot system from the campus. |

Date March 24,2020 Test Engineer Thomas Morrissey

Witness Steve Ferreira