1. PURPOSE, SCOPE AND APPLICABILITY

1.1. Purpose: It is the purpose of this document to outline the steps taken to perform the Tennant 1269799 Functional Test.

1.2. Scope and Applicability: This document provides instructions for performing the Tennant 1269799 Functional Test.

2. PROCESS OWNER AND RESPONSIBILITIES

2.1. Minnesota Test Department is the owner of this procedure.

2.2. It is the responsibility of anyone performing the Tennant 1269799 Functional Test to follow this work instruction.

3. REFERENCES AND DEFINITIONS

3.1. References:

3.1.1. MS-101MN - Management System Manual
3.1.2. ISO 9001
3.1.3. AS9100
3.1.4. ISO 13485
3.1.5. 21 CFR 820 – US Code of Federal Regulations, Quality Management Systems

3.2. Definitions:

3.2.1. UUT: Unit Under Test

4. PROCEDURE

4.1. PROGRAMMING

4.1.1. Open the “Einstein Power Control” application.

Figure 1

4.1.2. Open the “LM Flash Programmer” application.

Figure 2

4.1.3. In the LM Flash application, select the firmware for whichever assembly is being ran by selecting “Browse”.

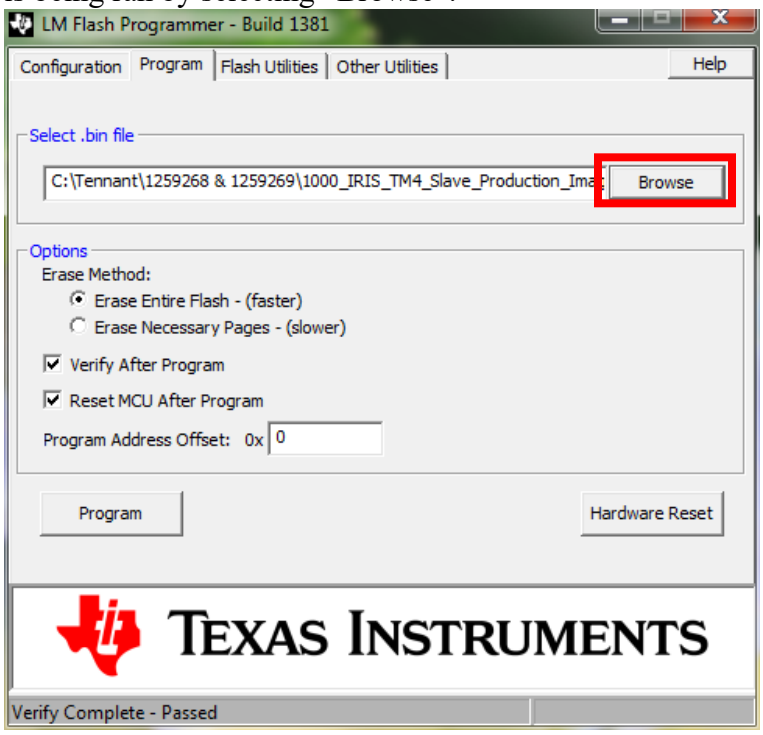

Figure 3

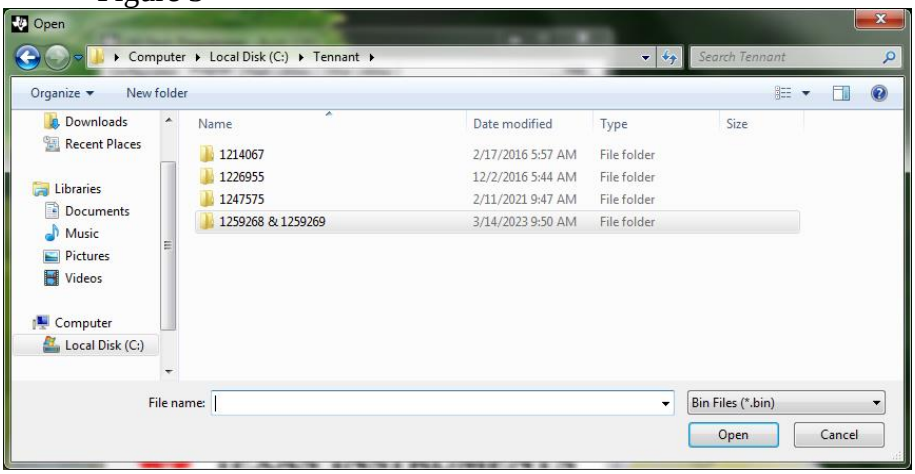

Figure 4

4.1.4. Select the appropriate file as shown below.
- If testing the **1269799**, select the 1000_IRIS_TM4_Slave_Production_Image_0632.bin file.

4.1.5. Once the correct file is selected, insert the unit onto the fixture and plug the cable into J3.

Figure 5

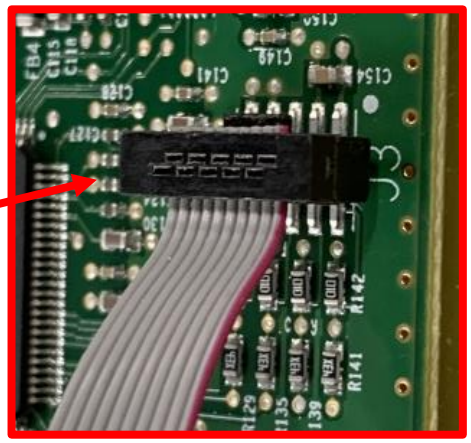

Figure 6

4.1.6. Click the "Power On" button of the Einstein Power Control application.

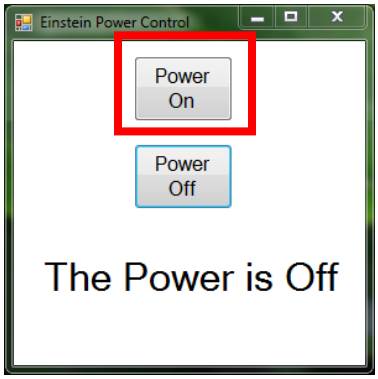

Figure 7

4.1.7. Click the Program button. The application will automate the programming for about 20 seconds.

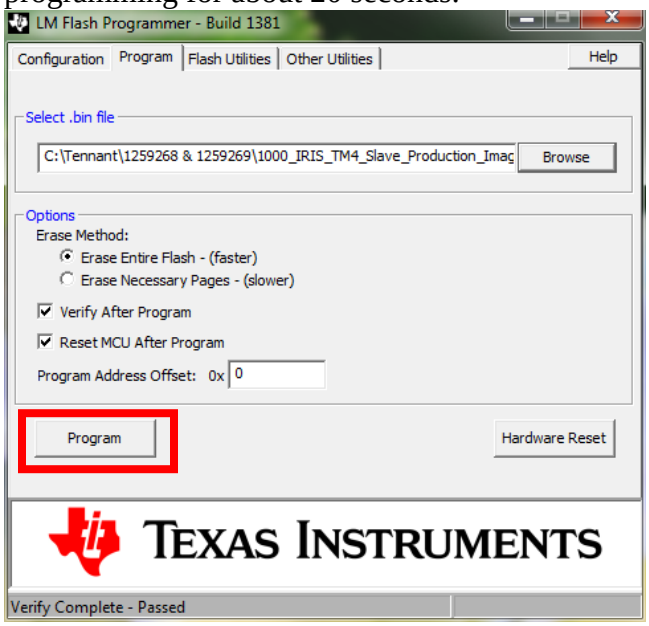

Figure 8

4.1.8. Once "Verify Complete – Passed" is shown, click Power Off of the Einstein Power Control application.

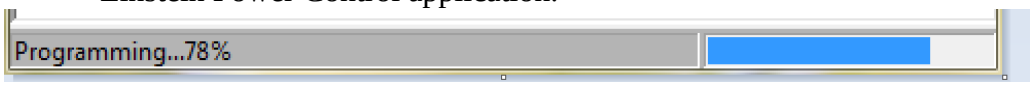

Figure 9

Figure 10

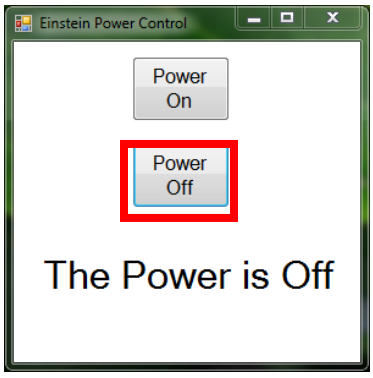

Figure 11

4.2. FUNCTIONAL TESTING

4.2.1. Open the “AMII Functional Test” application.

Figure 12

4.2.2. Scan the barcode and click button shown below.

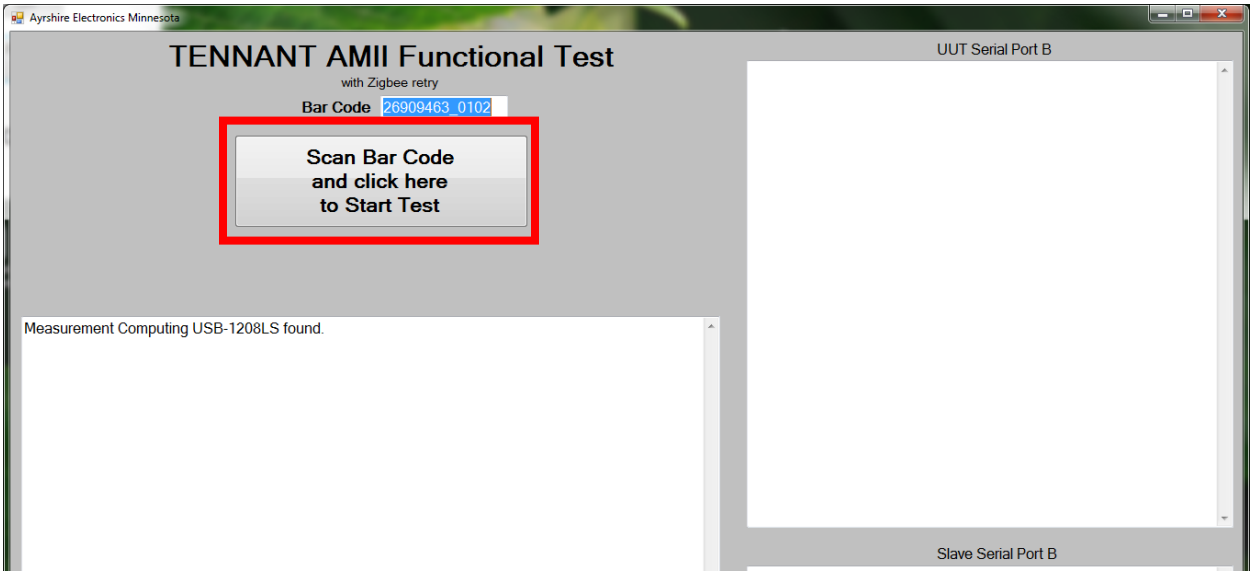

Figure 13

4.2.3. The application will ask for LEDs being on / flashing.

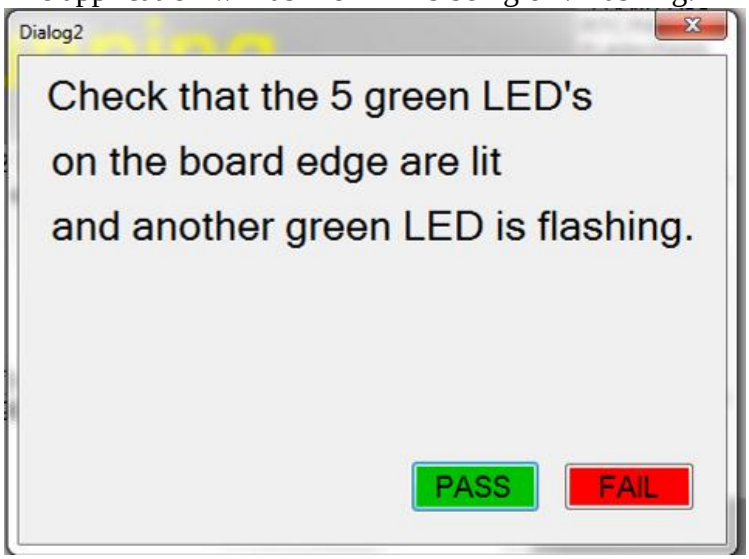

Figure 14

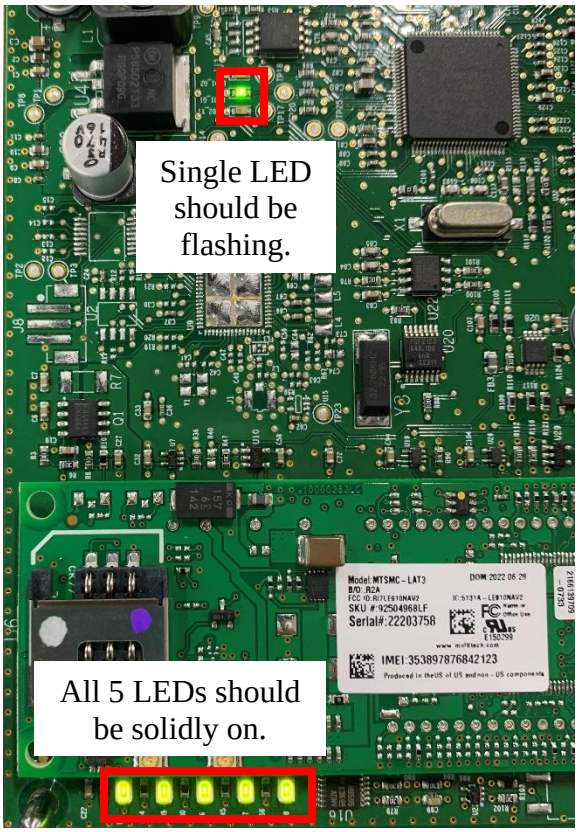

Figure 15

4.2.4. If LEDs work properly, click PASS.

4.2.5. The test will finish automatically.

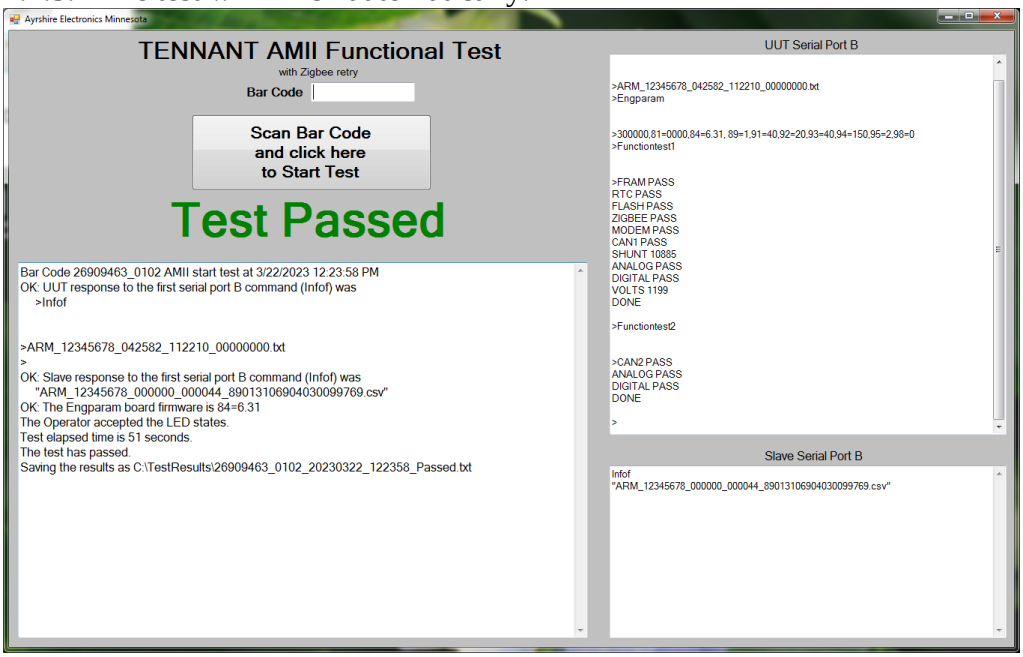

Figure 16

4.2.6. Repeat from step 4.1.5 for additional units.

5. RECORDS

N/A

6. REVISION HISTORY

Revision History			
Revision	**Description**	**Approval**	**Date**
A	Initial Release	Toby Threm	1/24/2017
B	Updated Format + Additional Assemblies	Aaron Lounsbrough	3/22/2023
C	Added 1269799 assembly to **Header**, **Section 1** & **Section 2** Updated firmware selection in **Section 4.1.4** Removed references for obsolete assemblies in **Header**, **Section 1** & **Section 2**	Andy Benson	03/04/2025