

Test Validation Report

M6e RFID Module Test

Test Case	Description	Result (PASS/FAIL)
1	The reference tag is readable.	
2	The VRHM can request a new test ID.	
3	The VRHM alerts the user when the test is unable to request a new test ID.	
4	The VRHM can print test label and test result.	
5	The VRHM alerts the user when the test is unable to print test label and/or test result.	
6	The VRHM can create a new Asset ID.	
7	The VRHM alerts the user when the test is unable to create a new Asset ID.	
8	The VRHM can run the automated M6e module test.	
9	The VRHM can communicate with the good M6e module.	
10	The VRHM fails the test when unable to communicate with the bad M6e module.	
11	The VRHM can switch radiating antenna with the good M6e module.	
12	The VRHM fails the test when unable to switch radiating antenna with the bad M6e module.	
13	The VRHM can change radiating power with the good M6e module.	
14	The VRHM fails the test when unable to change radiating power with the bad M6e module.	
15	The VRHM can read the temperature of the good M6e module.	
16	The VRHM fails the test when unable to read the temperature of the bad M6e module.	
17	The VRHM can read the reference tag on each antenna port with the good M6e module.	
18	The VRHM fails the test when unable to read the reference tag on each antenna port with the bad M6e module.	
19	The VRHM can find the desired firmware version of the good M6e module.	
20	The VRHM fails the test when unable to find the desired firmware version of the bad M6e module.	

Date: _____

Validated By: _____

Test Validation Report

Antenna VSWR Test

Test Case	Description	Result (PASS/FAIL)
1	The GPIO control box can switch radiating antenna.	
2	The network analyzer can measure VSWR and Line Magnitude values.	
3	The VRAMS can communicate with the network analyzer and read the measurements.	
4	The VRAMS can fail the VSWR test when unable to communicate with the network analyzer	
5	The VRAMS can request a new test ID.	
6	The VRAMS can fail the VSWR test when unable to request a new test ID	
7	The VRAMS can print test label and test result.	
8	The VRAMS can warn the user when unable to print test label and test result.	
9	The VRAMS can create a new Asset ID.	
10	The VRAMS can alert the user if failed to create a new Asset ID.	
11	The VRAMS can read VSWR values of all antenna patches lower than 0.27 with the good antenna assembly.	
12	The VRAMS fails on VSWR values of all antenna patches higher than 0.27 with the bad antenna assembly.	

Date: _____

Validated By: _____

Test Validation Report

Antenna System Test and Antenna Pre-Box Test

Test Case	Description	Result (PASS/FAIL)
1	All 16 reference tags in the test fixture are readable.	
2	The VRHM can request a new test ID.	
3	The VRHM alerts the user when the test is unable to request a new test ID.	
4	The VRHM can print test label and test result.	
5	The VRHM alerts the user when the test is unable to print test label and/or test result.	
6	The VRHM can create a new Asset ID.	
7	The VRHM alerts the user when the test is unable to create a new Asset ID.	
8	The VRHM can run the automated antenna system test a specified number of cycles.	
9	The VRHM can communicate with the good antenna assembly.	
10	The VRHM fails the test when unable to communicate with the bad antenna assembly.	
11	The VRHM can switch radiating antenna with the good antenna assembly.	
12	The VRHM fails the test when unable to switch radiating antenna with the bad antenna assembly.	
13	The VRHM can change radiating power with the good antenna assembly.	
14	The VRHM fails the test when unable to change radiating power with the bad antenna assembly.	
15	The VRHM can read the reference tag on each antenna patch with the good antenna assembly.	
16	The VRHM can fail the test when any of the 16 reference tags is unable to be read.	
17	The VRHM can find the desired firmware version of the good antenna assembly.	
18	The VRHM fails the test when unable to find the desired firmware version of the bad antenna assembly.	
19	The VRHM can flash production data to the interface board with the good antenna assembly.	
20	The VRHM fails the test when unable to flash production data to the interface board with the bad antenna assembly.	

Date: _____

Validated By: _____

Test Validation Report

Far Field Test (Open Top)

Test Case	Description	Result (PASS/FAIL)
1	All 576 reference tags are readable.	
2	The VRRTB can request a new test ID.	
3	The VRRTB alerts the user when the test is unable to request a new test ID.	
4	The VRRTB can print test label and test result.	
5	The VRRTB alerts the user when the test is unable to print test label and/or test result.	
6	The VRRTB can run the automated far-field test specified number of cycles.	
7	The VRRTB can communicate with the good antenna assembly.	
8	The VRRTB fails the test when unable to communicate with the bad antenna assembly.	
9	The VRRTB can switch radiating antenna with the good antenna assembly.	
10	The VRRTB fails the test when unable to switch radiating antenna with the bad antenna assembly.	
11	The VRRTB can change radiating power with the good antenna assembly.	
12	The VRRTB fails the test when unable to change radiating power with the bad antenna assembly.	
13	The VRRTB test can radiate on individual antennas where each individual antenna is able to read 90% (518) of all tags.	
14	The VRRTB can fail the test when individual antennas aren't able to reach threshold.	
15	The VRRTB test can radiate on all antennas and read 100% of tags within 4 seconds.	
16	The VRRTB can fail the test when panel isn't able to read all tags within set threshold.	

Date: _____

Validated By: _____

Test Validation Report

Far Field Test (Sealed)

Test Case	Description	Result (PASS/FAIL)
1	All 576 reference tags are readable.	
2	The VRRTB can request a new test ID.	
3	The VRRTB alerts the user when the test is unable to request a new test ID.	
4	The VRRTB can print test label and test result.	
5	The VRRTB alerts the user when the test is unable to print test label and/or test result.	
6	The VRRTB can run the automated far-field test specified number of cycles.	
7	The VRRTB can communicate with the good antenna assembly.	
8	The VRRTB fails the test when unable to communicate with the bad antenna assembly.	
9	The VRRTB can switch radiating antenna with the good antenna assembly.	
10	The VRRTB fails the test when unable to switch radiating antenna with the bad antenna assembly.	
11	The VRRTB can change radiating power with the good antenna assembly.	
12	The VRRTB fails the test when unable to change radiating power with the bad antenna assembly.	
13	The VRRTB test can radiate on individual antennas where each individual antenna is able to read 90% (518) of all tags.	
14	The VRRTB can fail the test when individual antennas aren't able to reach threshold.	
15	The VRRTB test can radiate on all antennas and read 100% of tags within 4 seconds.	
16	The VRRTB can fail the test when panel isn't able to read all tags within set threshold.	

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Test Validation Report

Pressing Machine

Test Case	Description	Result (PASS/FAIL)
1	Force Test Plate should measure 220 newton	
2	Display panel should report belt speed of 11	

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Test Validation Report

Heating Test

Date: _____

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