

RPI - R3.4 Validation Report

Recommendation : **SUITABLE FOR INITIAL R3.4 RELEASE**

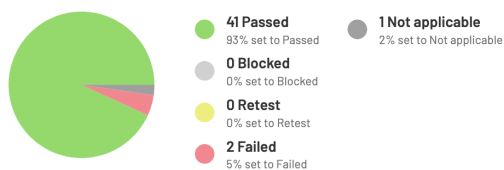
Summary:

- Successfully launched and validated Thunder along with various plugins
- Protected content playback was successful
- Cobalt / Netflix / AmazonPrime - Launch & playback was successful.
- Wifi functionality was successfully tested
- Bluetooth testing was successfully carried out with Tech4Home RCU

Test Scope:

- Focused testing on various plugins available in Thunder including Cobalt / Netflix / AmazonPrime
- Stability testing of Thunder was out of scope.

Test Results:



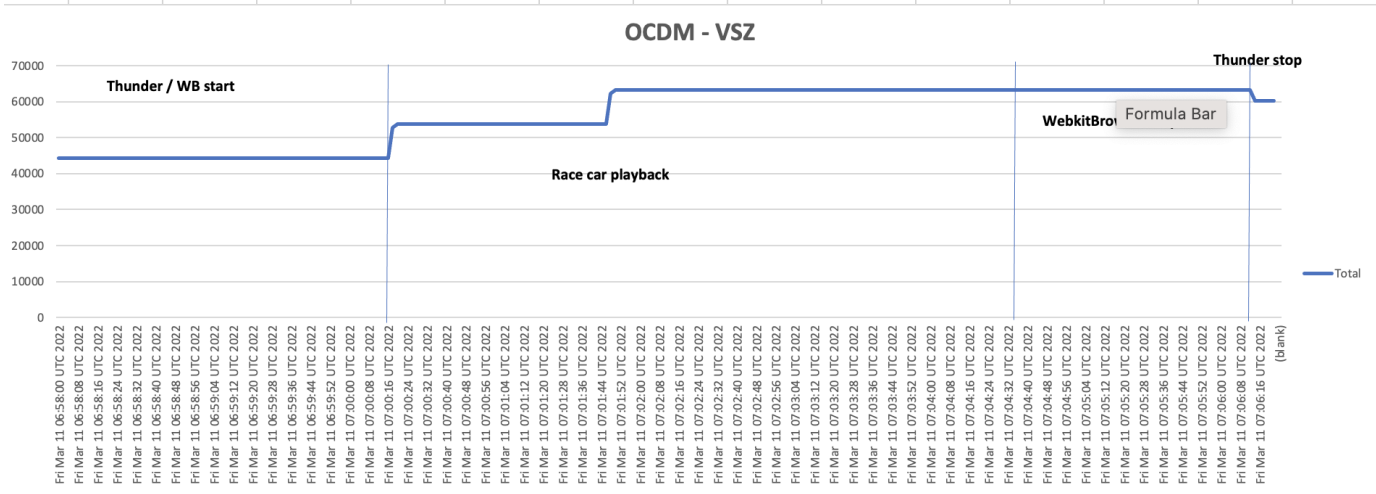
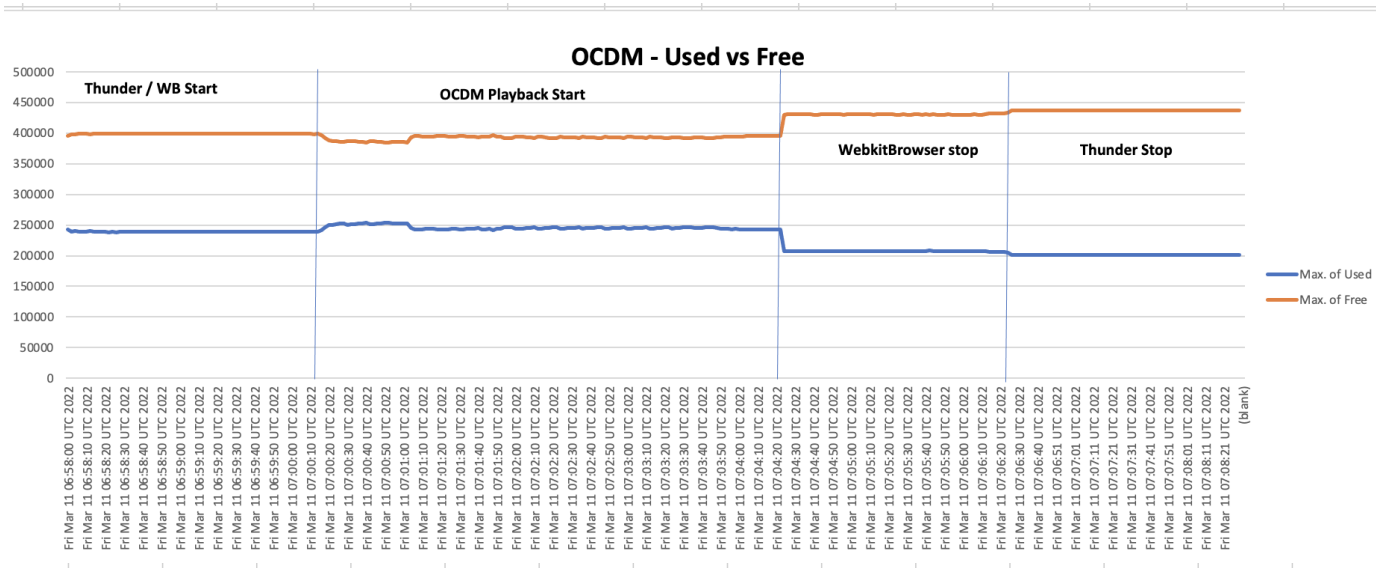
Performance values from JSONRPCClient:

	Average(uS)	Min(uS)	Max(uS)
Local	0	0	3
COMRPC	196	179	294
JSONRPC	371	346	569
Local	0	0	2
COMRPC	194	183	275
JSONRPC	359	345	553
Local	0	0	3
COMRPC	190	180	272
JSONRPC	369	349	553
Local	0	0	2
COMRPC	198	186	281
JSONRPC	373	344	568
Local	0	0	2
COMRPC	201	182	307
JSONRPC	358	337	543

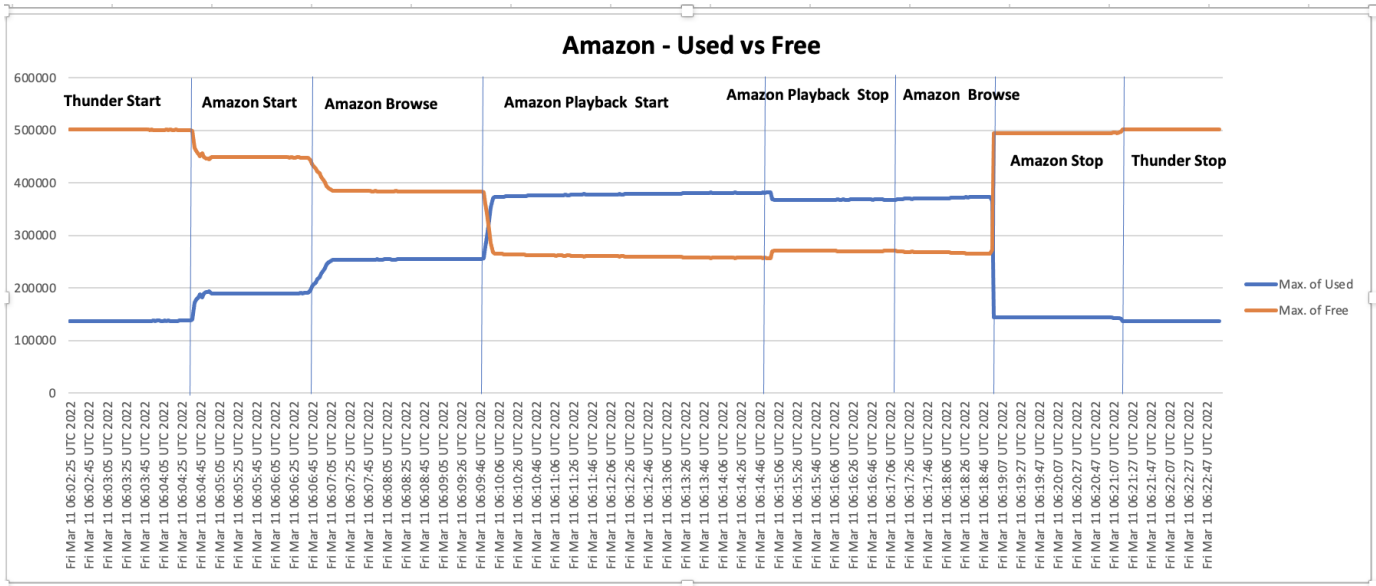
Memory Profiling:

- Not much deviation observed when compared to R3.3

Thunder:

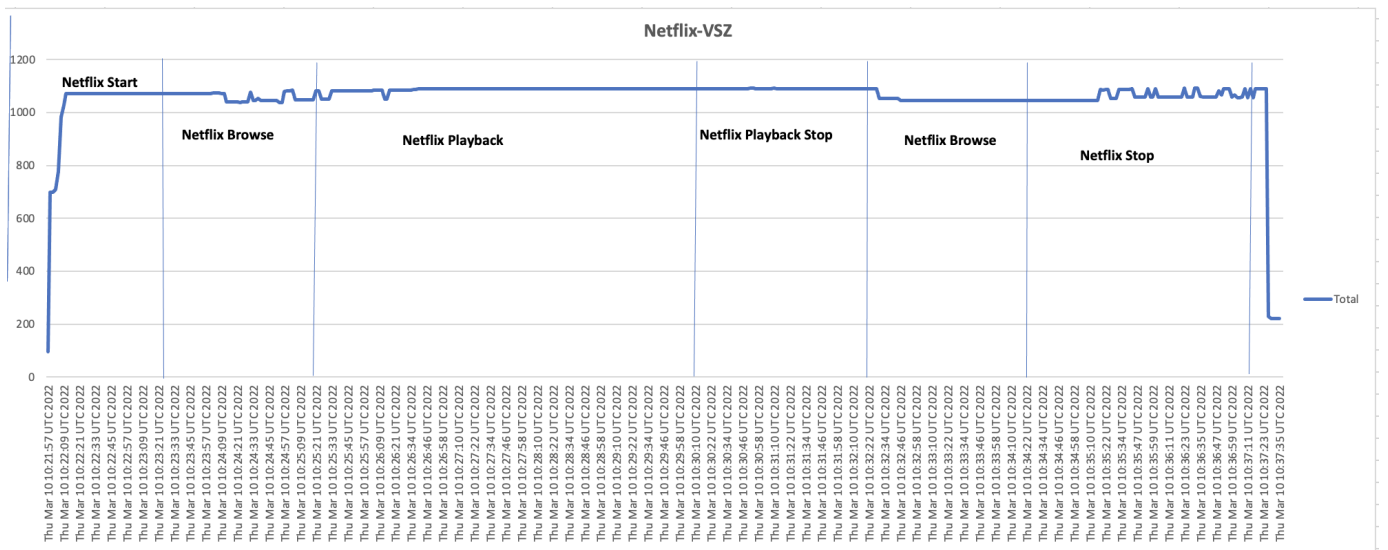
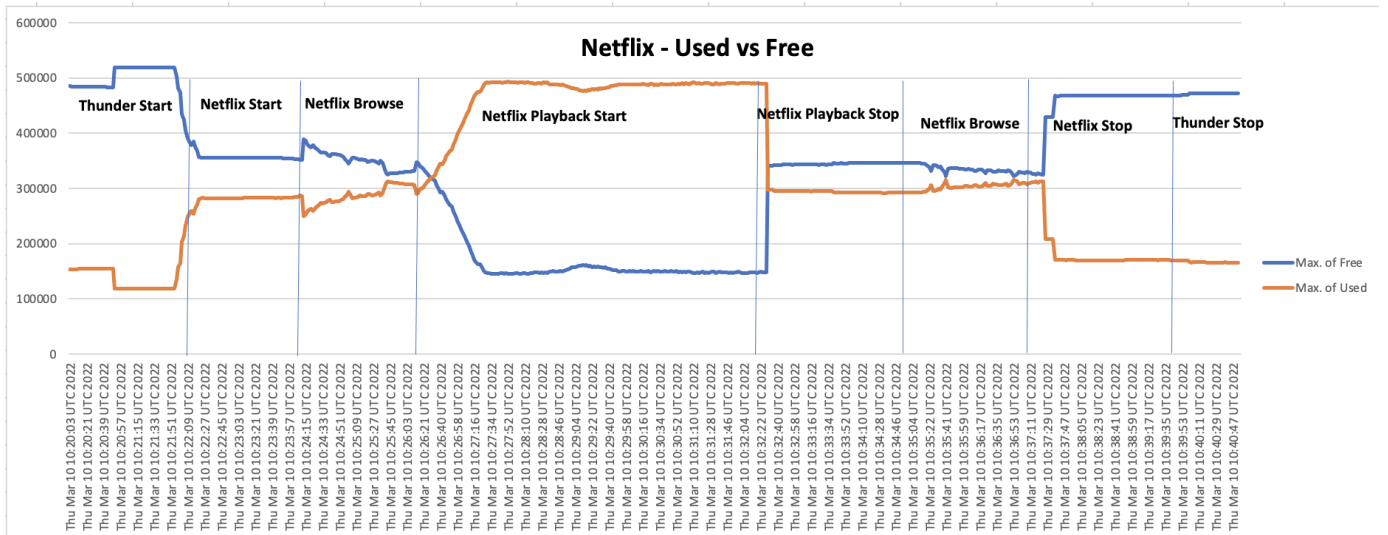


Amazon:

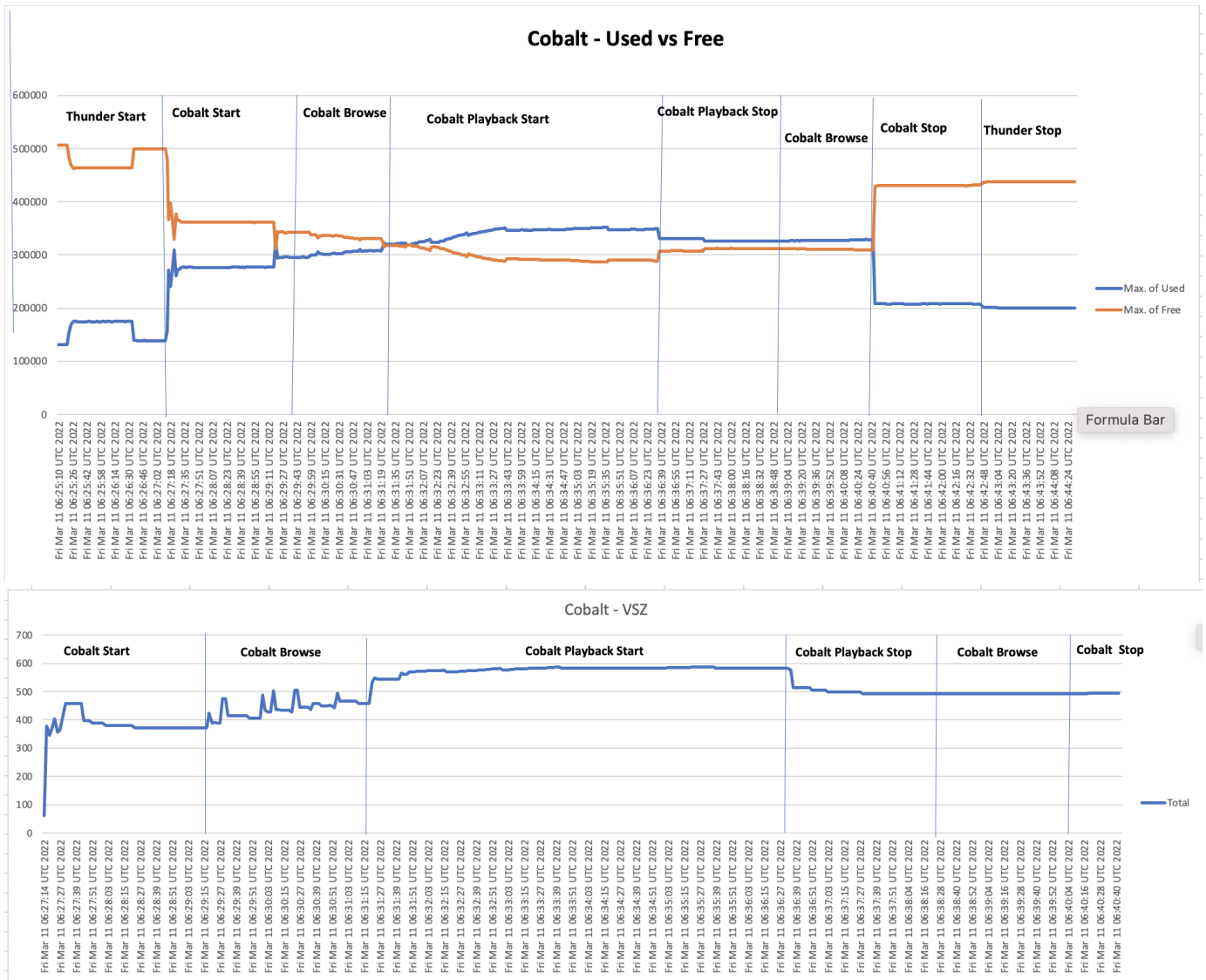




Netflix:



Cobalt:



Test Execution Details can be found in :

https://metrological.testrail.io/index.php?runs/view/366&group_by=cases:section_id&group_order=asc&group_id=1486

Outstanding Bugs

- **Blocker :**
 - <https://jira.rdkcentral.com/jira/browse/METROL-464>
 - <https://jira.rdkcentral.com/jira/browse/METROL-463>
- **Major:**
 - <https://jira.rdkcentral.com/jira/browse/METROL-477>
 - <https://jira.rdkcentral.com/jira/browse/METROL-478>
 - <https://jira.rdkcentral.com/jira/browse/METROL-358>
- **Minor:**
 - <https://jira.rdkcentral.com/jira/browse/METROL-325>
 - <https://jira.rdkcentral.com/jira/browse/METROL-299>
 - <https://jira.rdkcentral.com/jira/browse/METROL-338>
 - <https://jira.rdkcentral.com/jira/browse/METROL-314>

Fixed Bugs

- **Blocker :**
 - <https://jira.rdkcentral.com/jira/browse/METROL-476>
- **Major:**
 - <https://jira.rdkcentral.com/jira/browse/METROL-307>
 - <https://jira.rdkcentral.com/jira/browse/METROL-304>

Things to be addressed while releasing :

- Copy the vault files for Cobalt/ Netflix / playready4 DeviceCertificate to the provisioning path
- <https://jira.rdkcentral.com/jira/browse/METROL-301>

Test Environment

Build Details:

- Main =>9e9adbccc1f4d78f6efe6ef2ce04c8cb6c98a6d2
- wpeframework-interfaces-R3.4
- wpeframework-launcher-R3.4
- wpeframework-R3.4
- wpeframework-netflix-R3.4
- wpeframework-amazon-R3.4
- wpeframework-plugins-R3.4
- wpeframework-cdmi-clearkey-R3.4
- wpeframework-provisioning-R3.4
- wpeframework-cdmi-playready-R3.4
- wpeframework-rdkservices-R3.4
- wpeframework-cdmi-widevine-R3.4
- wpeframework-ui-R3.4
- wpeframework-clientlibraries-R3.4
- wpewebkit-2.28 -3a3595f1b3123d3b9e1679094e927cede65c2a22
- netflix52 => 59b1d0ac86ac629bcd7c1b29c736561d9e743fb7
- cobalt => e5c4fd2aec74ead45dac6c7f57527b9dd8e94267
- amazon-backend => 1a3ad731e92abb983777547287b4169b9be0b8b4
- amazon-ignition =>92c39937e6ddc69bc67bbb1fdb715515c0a7c6e5

Platform

- RPI3B+

Config

raspberrypi3_wpe_ml_defconfig