Measurements:

export QT_VIDEO_FORMAT=1080p
export QT_QPA_EGLFS_PHYSICAL_WIDTH=1280
export QT_QPA_EGLFS_PHYSICAL_HEIGHT=720
QT_QPA_EGLFS_HIDECURSOR=1 WEBKIT_SHOW_FPS=1 qtbrowser --tiled-backing-store –url=

EOS Board

Buildroot/QT5.4.1/Nexus V14.4 release/Proxy mode/No refsw_server		
TYPE	No tile-backing	With tile-backing
Canvas Test (1 min)	42 FPS / 32% CPU	60 FPS / 34% CPU
(5 min)	45 FPS / 32% CPU	60 FPS / 34% CPU
WebGL	60 FPS / 21% CPU	60 FPS / 22% CPU

Dawn Board

Buildroot/QT5.2.1/Nexus V12.4 release/Proxy mode/No refsw_server/7000		
TYPE	No tile-backing	With tile-backing
Canvas Test (1 min)	30 FPS / 53% CPU	36 FPS / 53% CPU
(5 min)	35 FPS / 53% CPU	38 FPS / 50% CPU
WebGL	50 FPS / 34% CPU	48 FPS / 33% CPU

Buildroot/QT5.4.1/Nexus V12.4 release/Proxy mode/No refsw_server/7000		
TYPE	No tile-backing	With tile-backing
Canvas Test (1 min)	32 FPS / 50% CPU	36 FPS / 52% CPU
(5 min)	34 FPS / 51% CPU	37 FPS / 49% CPU
WebGL	50 FPS / 21% CPU	49 FPS / 35% CPU

Raspberry-Pi 2

Buildroot/QT5.4.1/1GHz clock		
TYPE	No tile-backing	With tile-backing
Canvas Test (1 min)	49 FPS / 21% CPU	54 FPS / 19% CPU
(5 min)	52 FPS / 21% CPU	56 FPS / 19% CPU
WebGL	39 FPS / 5% CPU	42 FPS / 5%

	HTML Score:	Javascript Benchmark
QT5.2.1	295 of 555	2786.3ms +/- 0.4%
QT5.4.1	314 of 555	2365.5ms +/- 0.4%

References:

Canvas test: http://www.smashcat.org/av/canvas_test/

WebGL test: http://test.integraal.info/webgl/test1-v4.html

HTML score: http://html5test.com/

Javascript: http://www.webkit.org/perf/sunspider-1.0.2/sunspider-1.0.2/driver.html

Remark: The build for Dawn/EOS does not contain any Audio and Video extensions for HTML as the media player is realized in the Seachange In Home software stack. If, in buildroot, the Video/Audio functionality for WebKit is turned on the HTML Score reaches 394.