

SUPPLEMENTAL FIGURES

Figure 1. Bland-Altman plots of GT3X+ default setting and AW-64 High sensitivity for sleep parameters. The y-axis indicates the differences between the GT3X+ score minus the AW-64 score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the GT3X+ relative to AW-64. Red lines represent Bias \pm 1.96 SD.

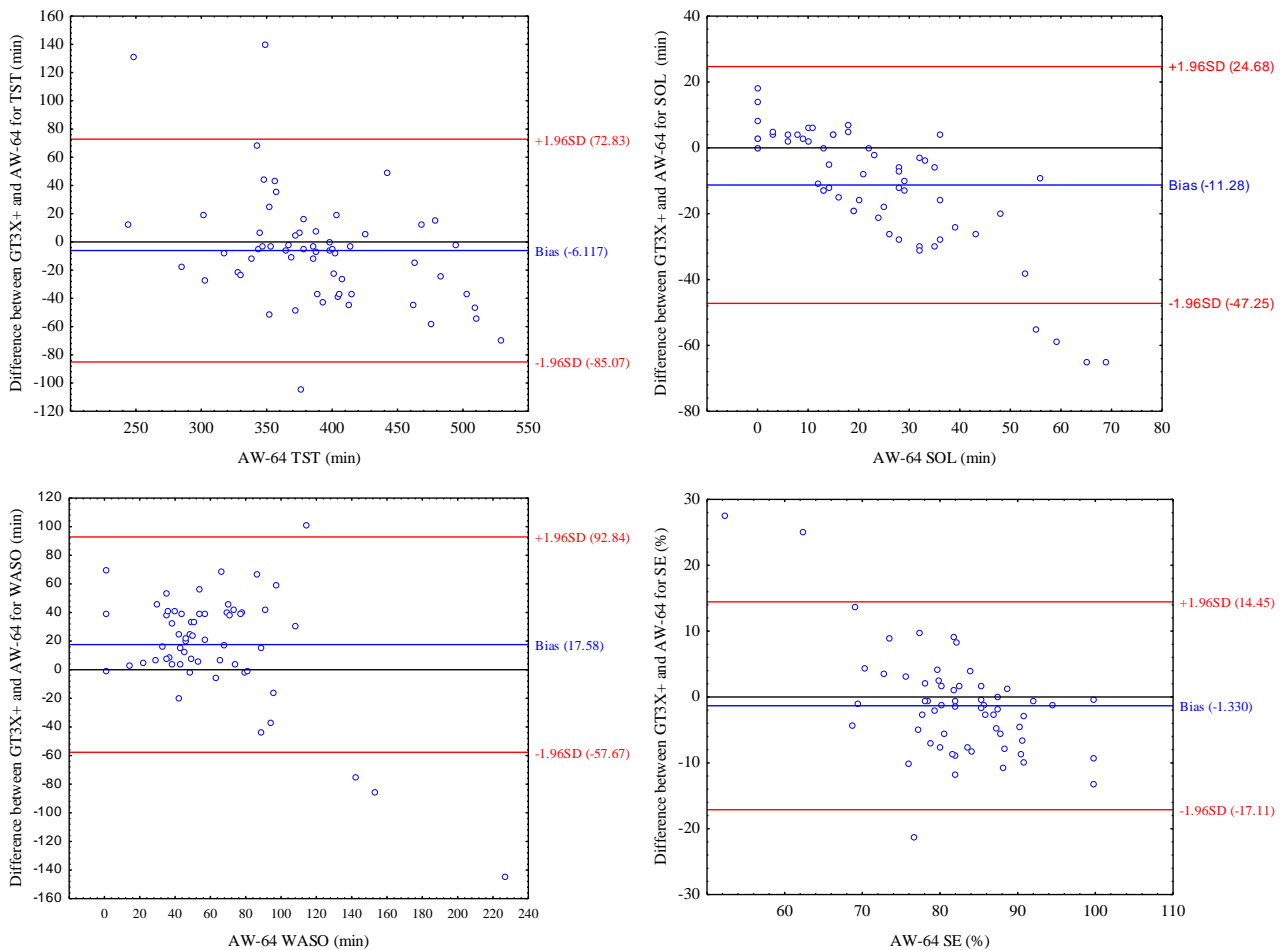


Figure 2. Bland-Altman plots of GT3X+ default setting and AW-64 Medium sensitivity for sleep parameters. The y-axis indicates the differences between the GT3X+ score minus the AW-64 score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the GT3X+ relative to AW-64. Red lines represent Bias \pm 1.96 SD.

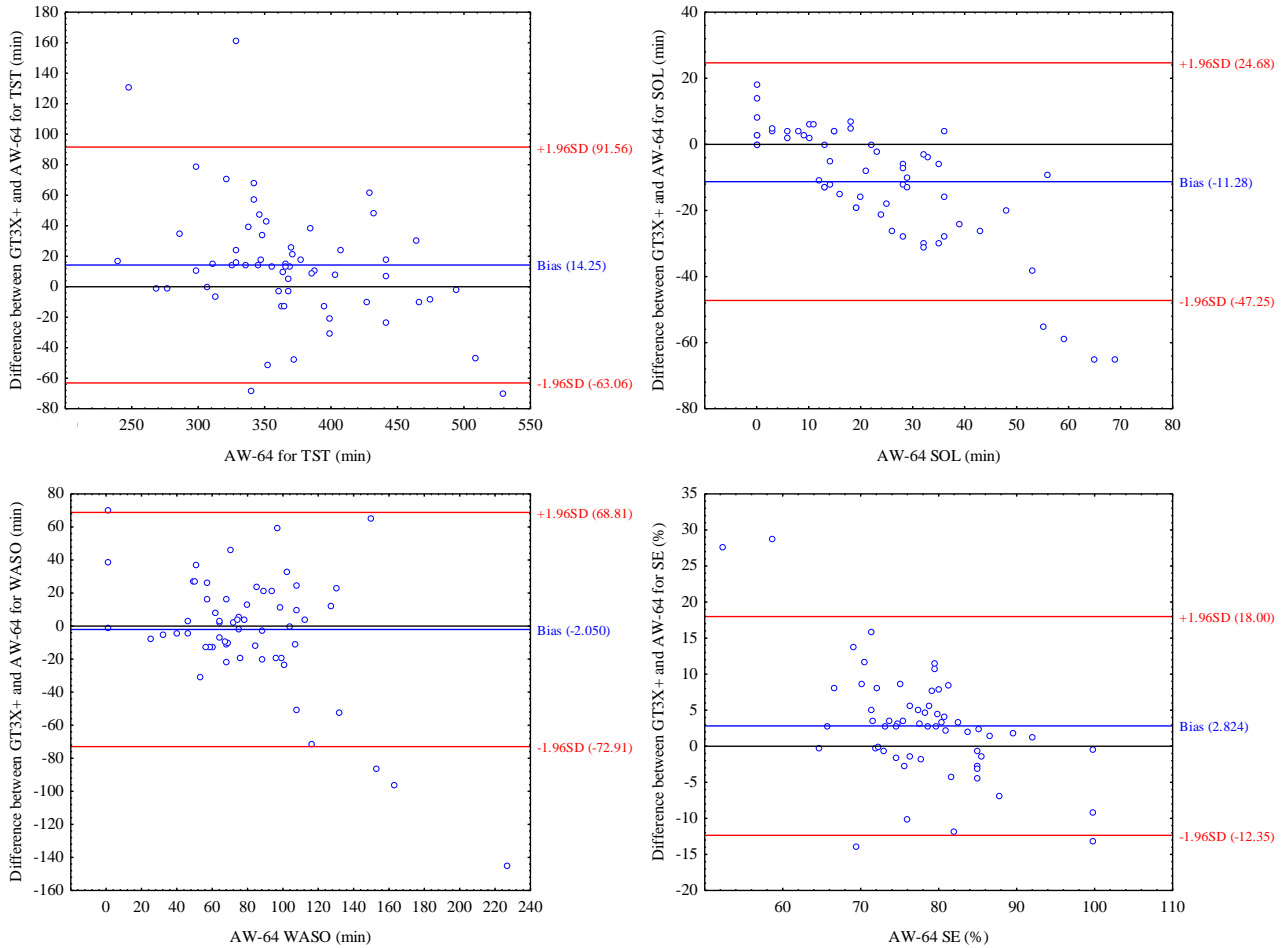


Figure 3. Bland-Altman plots of GT3X+ default setting and AW-64 Low sensitivity for sleep parameters. The y-axis indicates the differences between the GT3X+ score minus the AW-64 score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the GT3X+ relative to AW-64. Red lines represent Bias \pm 1.96 SD.

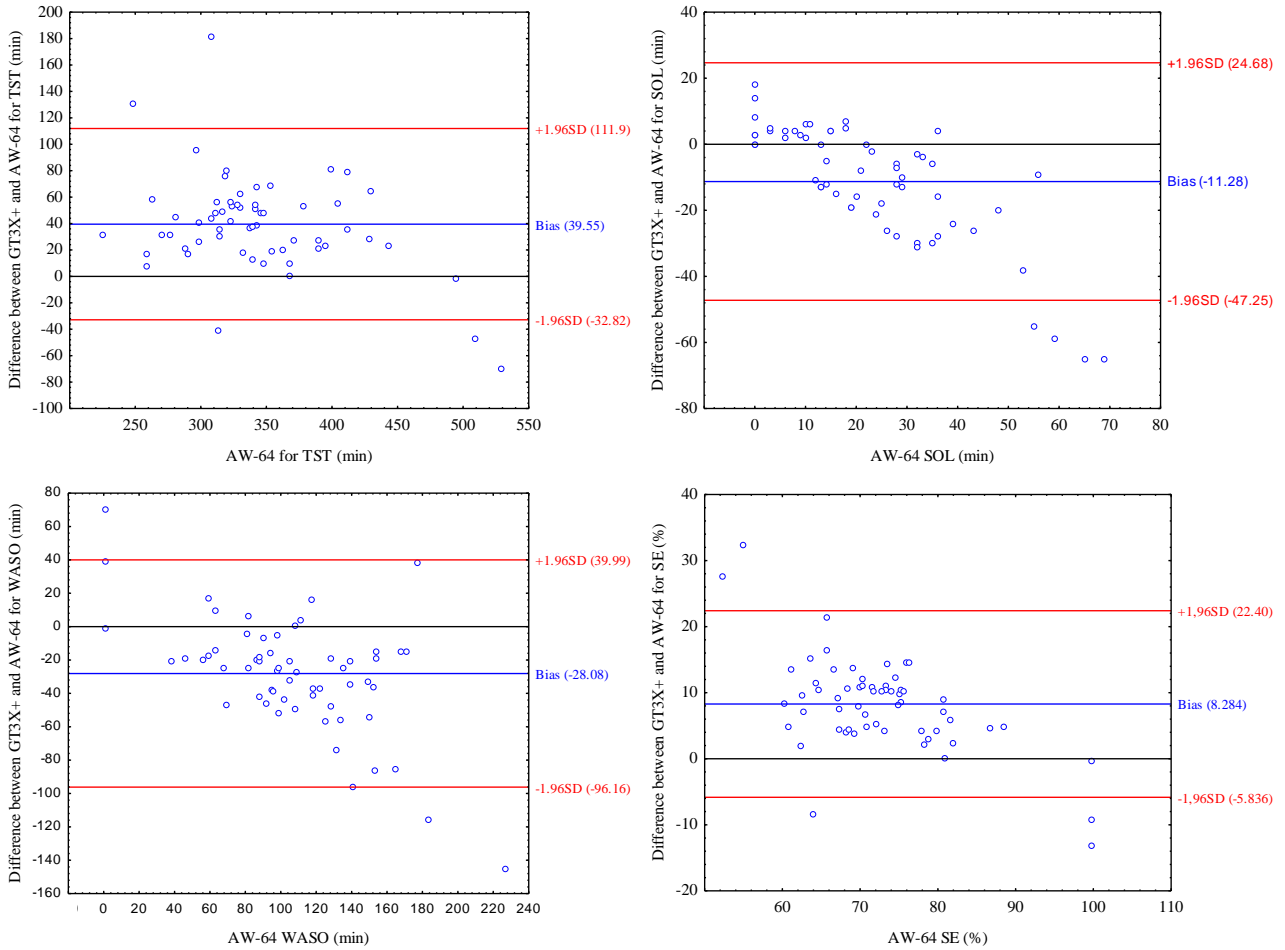


Figure 4. Bland-Altman plots of GT3X+ LFE setting and AW-64 High sensitivity for sleep parameters. The y-axis indicates the differences between the GT3X+ score minus the AW-64 score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the GT3X+ relative to AW-64. Red lines represent Bias \pm 1.96 SD.

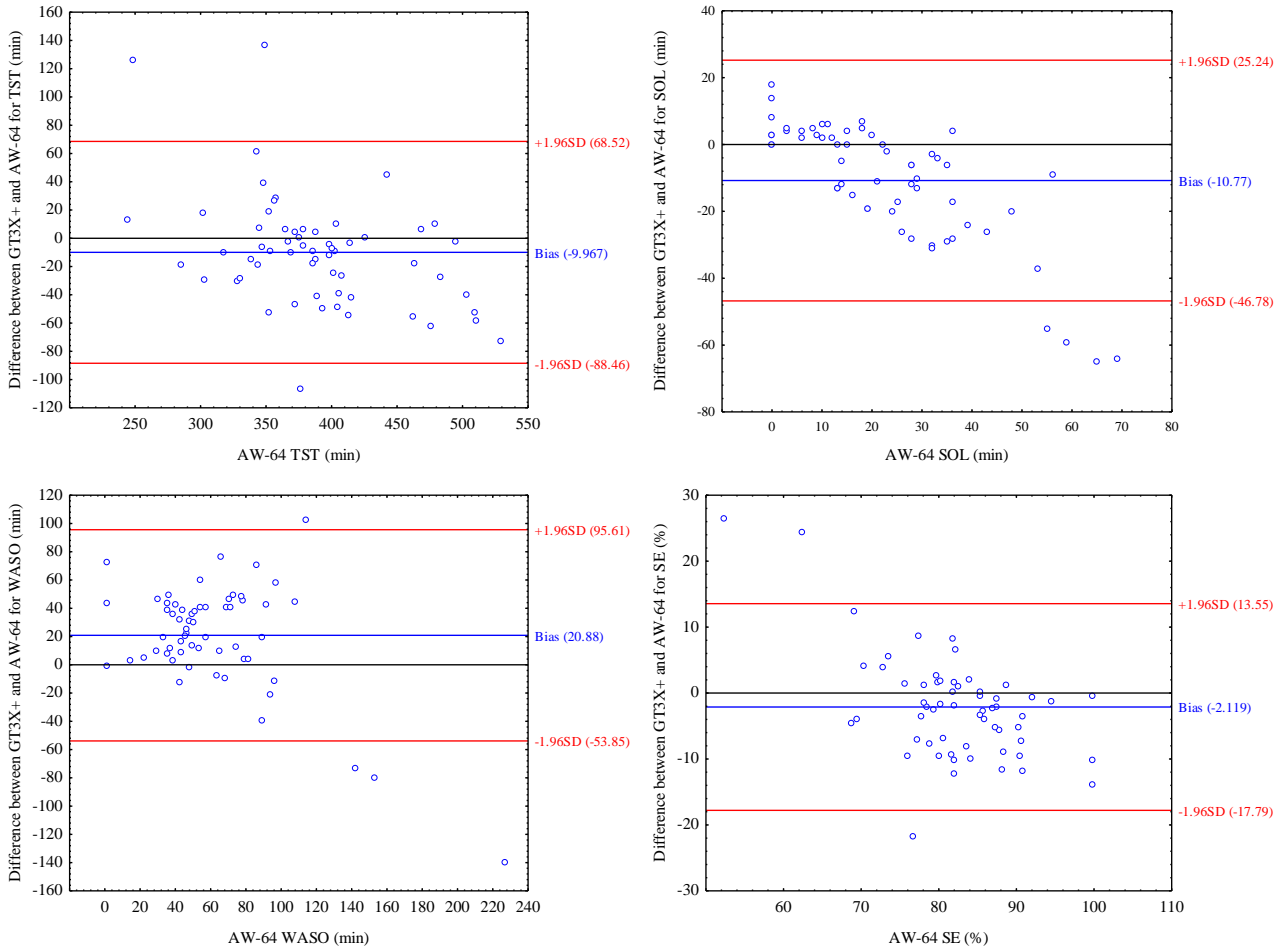


Figure 5. Bland-Altman plots of GT3X+ LFE setting and AW-64 Low sensitivity for sleep parameters. The y-axis indicates the differences between the GT3X+ score minus the AW-64 score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the GT3X+ relative to AW-64. Red lines represent Bias \pm 1.96 SD.

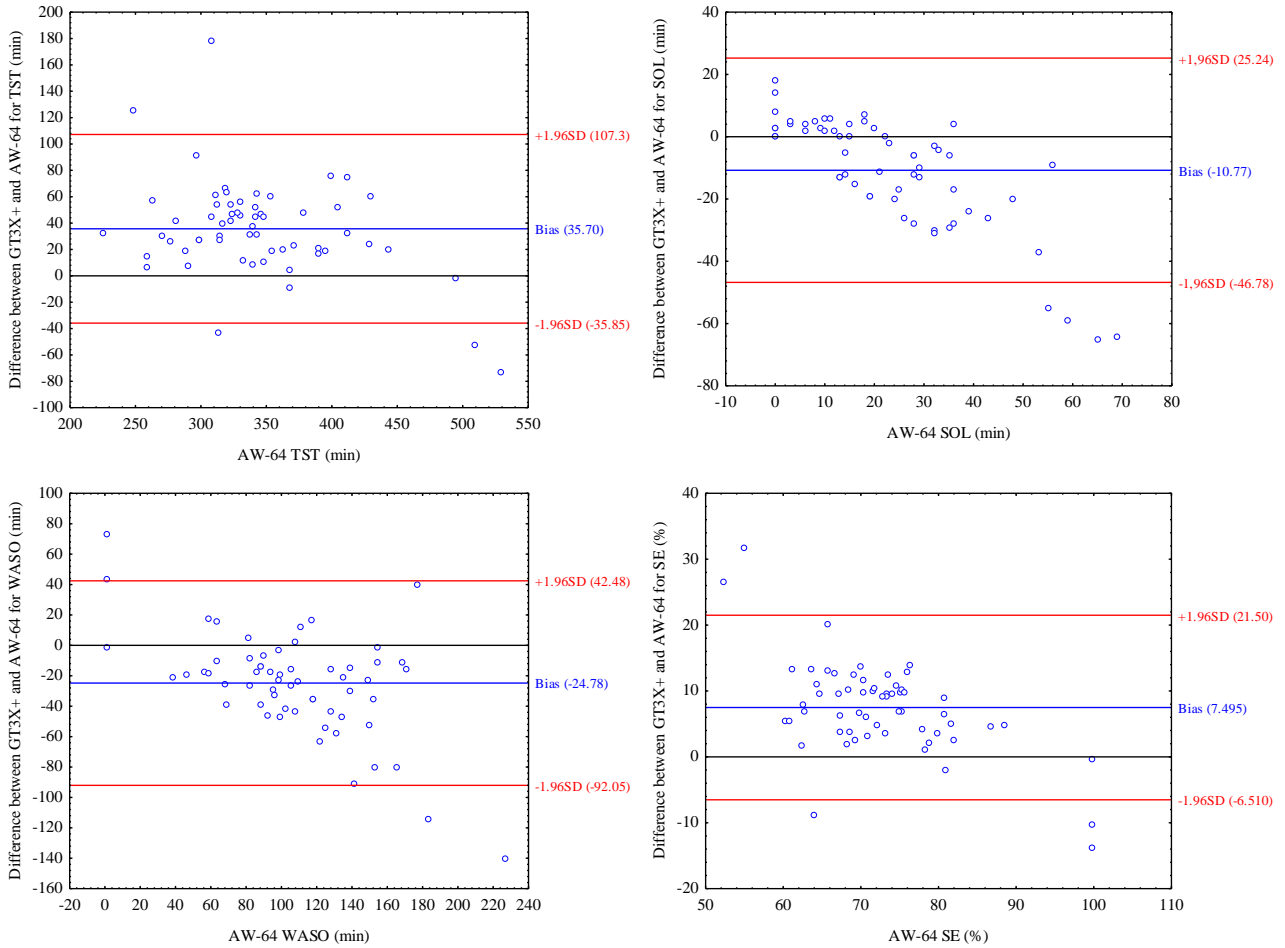


Figure 6. Results from 95% equivalence testing for agreement in sleep parameters between GT3X+ settings and AW-64 sensitivities. Grey boxes indicate proposed equivalence zone ($\pm 10\%$ of the mean computed for each AW-64 sensitivity). Colored bars indicate the 90% confidence interval for a mean of the estimate measure for both GT3X+ settings.

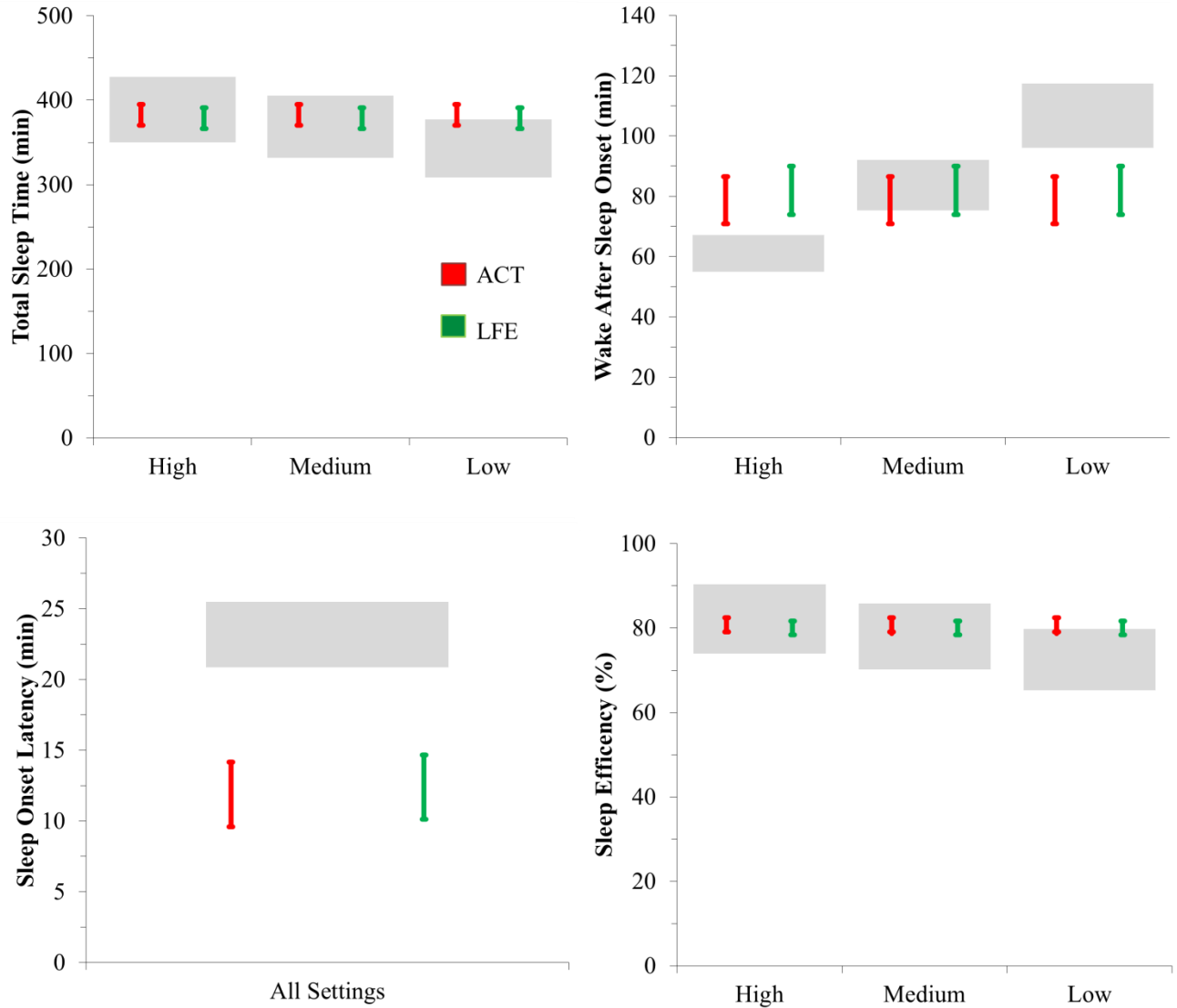


Figure 7. Bland-Altman plots of GT3X+ default setting and AW-64 High sensitivity for physical activity parameters. The y-axis indicates the differences between the AW-64 score minus the GT3X+ score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the AW-64 relative to the GT3X+. Red lines represent Bias \pm 1.96 SD. Note that MVPA is not shown.

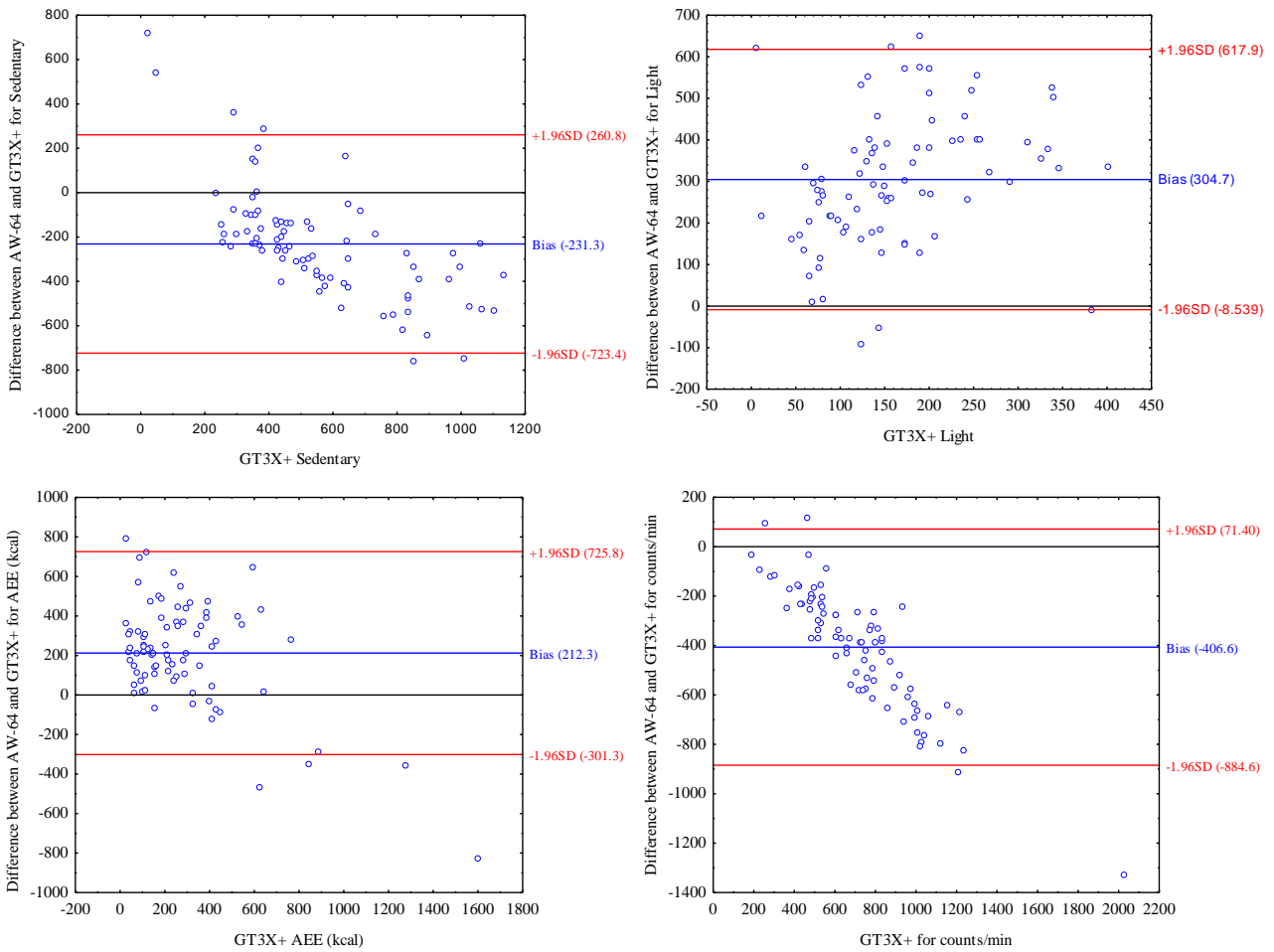


Figure 8. Bland-Altman plots of GT3X+ default setting and AW-64 Medium sensitivity for physical activity parameters. The y-axis indicates the differences between the AW-64 score minus the GT3X+ score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the AW-64 relative to the GT3X+. Red lines represent Bias \pm 1.96 SD. Note that MVPA is not shown.

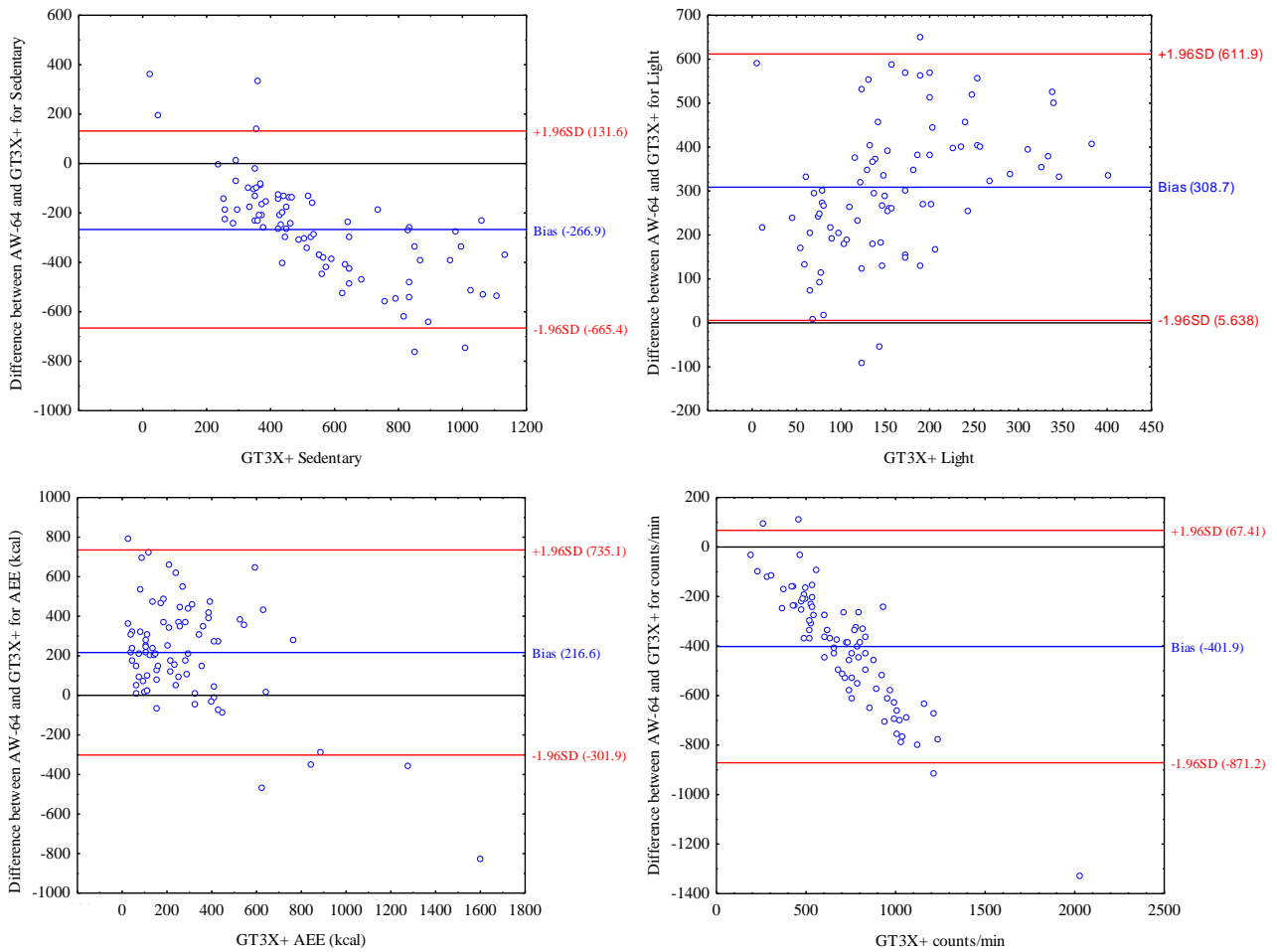


Figure 9. Bland-Altman plots of GT3X+ default setting and AW-64 Low sensitivity for physical activity parameters. The y-axis indicates the differences between the AW-64 score minus the GT3X+ score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the AW-64 relative to the GT3X+. Red lines represent Bias \pm 1.96 SD. Note that MVPA is not shown.

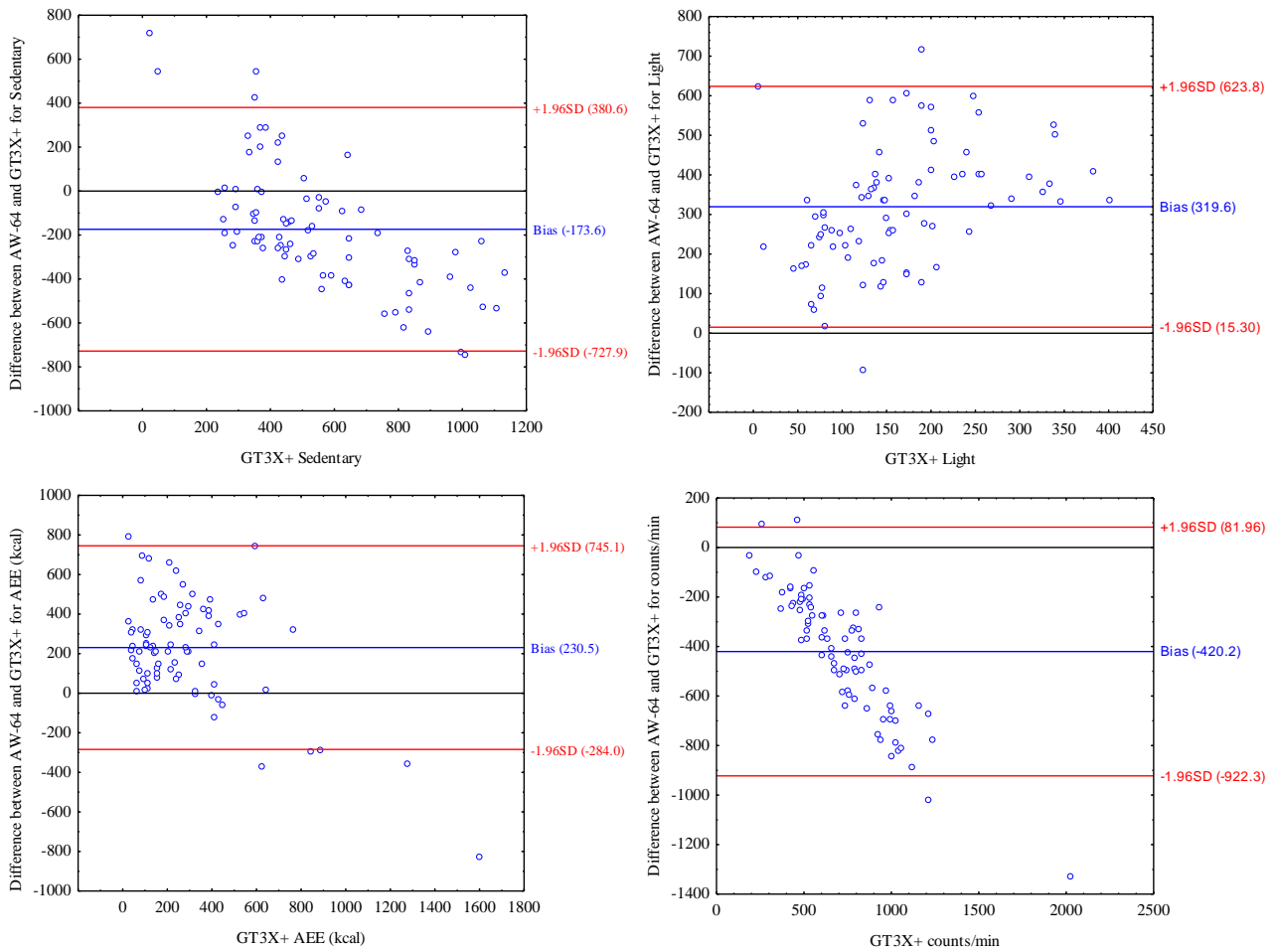


Figure 10. Bland-Altman plots of GT3X+ LFE setting and AW-64 High sensitivity for physical activity parameters. The y-axis indicates the differences between the AW-64 score minus the GT3X+ score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the AW-64 relative to the GT3X+. Red lines represent Bias \pm 1.96 SD. Note that MVPA is not shown.

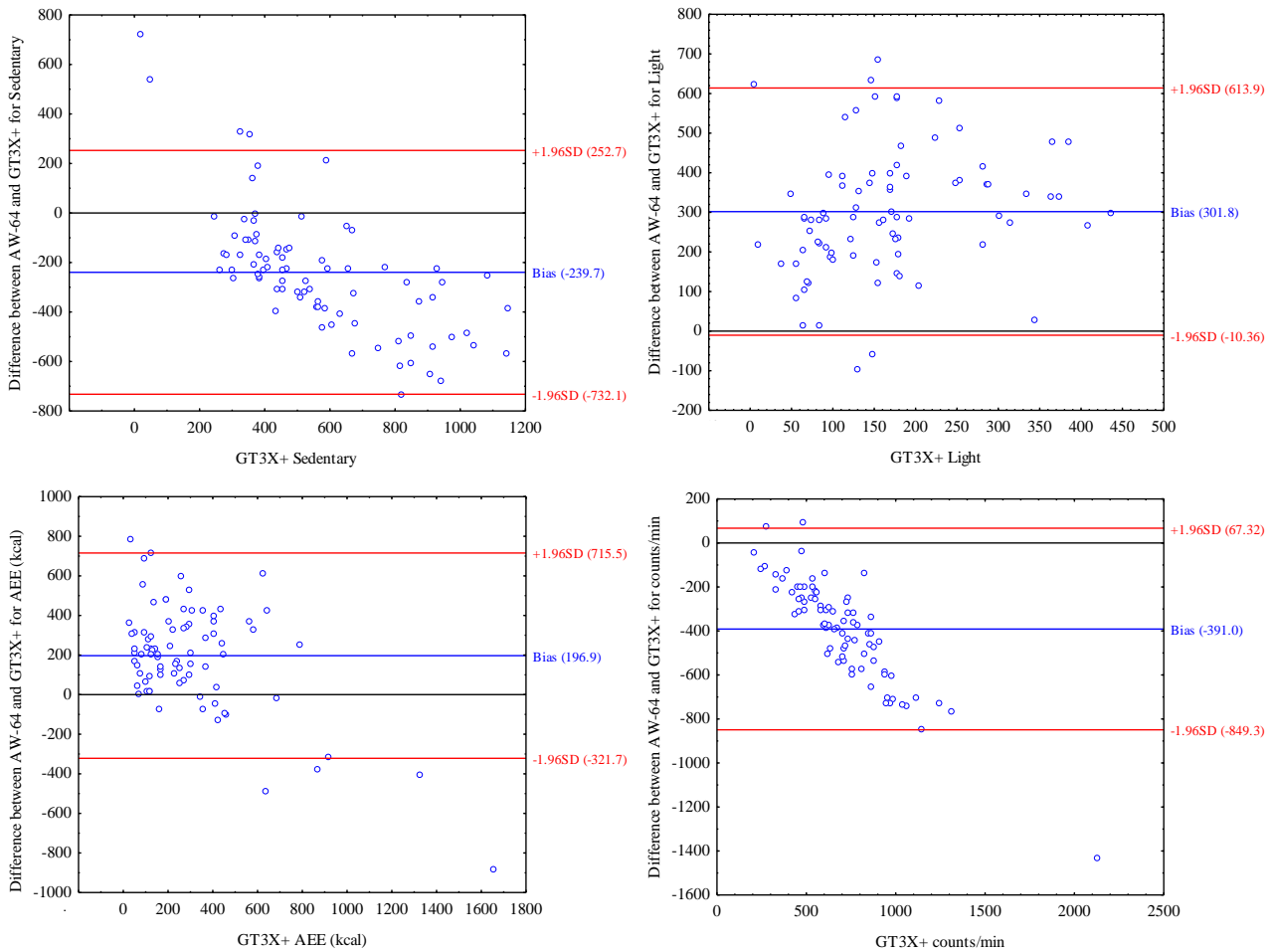


Figure 11. Bland-Altman plots of GT3X+ LFE setting and AW-64 Low sensitivity for physical activity parameters. The y-axis indicates the differences between the AW-64 score minus the GT3X+ score, whereas the x-axis shows the average of their scoring. The bias (blue line) represents the mean difference between the devices for a specific parameter, with values above zero meaning an overestimation and the values below zero meaning an underestimation of the AW-64 relative to the GT3X+. Red lines represent Bias \pm 1.96 SD. Note that MVPA is not shown.

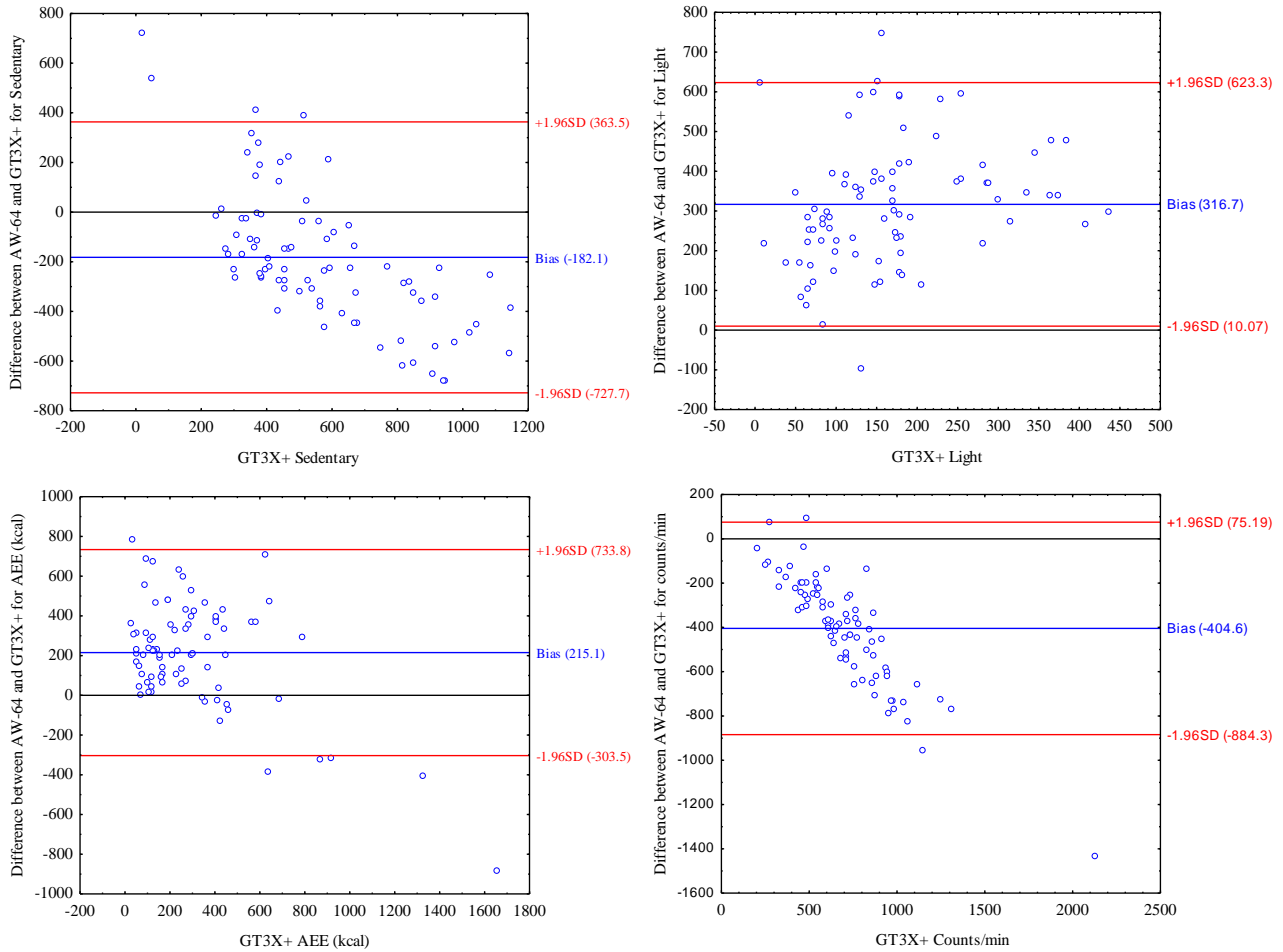


Figure 14. Results from 95% equivalence testing for agreement in physical activity measures between AW-64 sensitivities and GT3X+ settings. Grey boxes indicate proposed equivalence zone ($\pm 10\%$ of the mean computed for both GT3X+ settings). Colored bars indicate the 90% confidence interval for a mean of the estimate measure for each AW-64 sensitivities. Note that MVPA is not shown.

