



## Radio frequency Exposure

### LIMIT

According to §15.247(i), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.

According to RSS-Gen §5.5, before equipment certification is granted, the applicable requirements of RSS-102 shall be met.

### EUT Specification

|                                       |                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT</b>                            | STEELSERIES STRATUS                                                                                                                                                                                                                                            |
| <b>Frequency band<br/>(Operating)</b> | <input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz<br><input type="checkbox"/> WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz<br><input type="checkbox"/> WLAN: 5.745GHz ~ 5.825GHz<br><input checked="" type="checkbox"/> Others: Bluetooth: 2.402GHz ~ 2.480GHz |
| <b>Device category</b>                | <input checked="" type="checkbox"/> Portable (<20cm separation)<br><input type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> Others _____                                                                                                 |
| <b>Exposure classification</b>        | <input type="checkbox"/> Occupational/Controlled exposure ( $S = 5mW/cm^2$ )<br><input checked="" type="checkbox"/> General Population/Uncontrolled exposure ( $S=1mW/cm^2$ )                                                                                  |
| <b>Antenna diversity</b>              | <input checked="" type="checkbox"/> Single antenna<br><input type="checkbox"/> Multiple antennas<br><input type="checkbox"/> Tx diversity<br><input type="checkbox"/> Rx diversity<br><input type="checkbox"/> Tx/Rx diversity                                 |
| <b>Max. output power</b>              | 0.0314 Mw                                                                                                                                                                                                                                                      |
| <b>Antenna gain</b>                   | -5.45 dBi                                                                                                                                                                                                                                                      |
| <b>Evaluation applied</b>             | <input checked="" type="checkbox"/> MPE Evaluation<br><input type="checkbox"/> SAR Evaluation<br><input type="checkbox"/> N/A                                                                                                                                  |

### TEST RESULTS

No non-compliance noted.

*(According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance  $\leq 50$  mm are determined by:*



*$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f}(\text{GHz})] \leq 3.0$*

*The max. average power of channel, including tune-up tolerance(mW) is 0.0349 mW @ 2402MHz (With Tune-up tolerance),*

*The min. test separation distance (mm) is 5 mm,*

*So,  $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f}(\text{GHz})] = 0.0108 < 3.0$  (With Tune-up tolerance).*

*Therefore, standalone SAR measurements are not required for both head and body.)*