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

EUT	SteelSeries Stratus Wireless Gaming Controller
Frequency band (Operating)	☐ WLAN: 2.412GHz ~ 2.462GHz ☐ WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz ☐ WLAN: 5.745GHz ~ 5.825GHz ☑ Others: Bluetooth: 2.402GHz ~ 2.480GHz
Device category	☑ Portable (<20cm separation) ☐ Mobile (>20cm separation) ☐ Others _____
Exposure classification	☐ Occupational/Controlled exposure *(S = 5mW/cm2)* ☑ General Population/Uncontrolled exposure *(S=1mW/cm2)*

Antenna diversity	☑ Single antenna
	 ☐ Multiple antennas
	  ☐Tx diversity
	  ☐Rx diversity
	  ☐Tx/Rx diversity

Max. output power	0.98401 mW
Antenna gain	0.37 dBi
Evaluation applied	☑ MPE Evaluation ☐ SAR Evaluation ☐ 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 ≤ 50 mm are determined by:

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

The max. average power of channel, including tune-up tolerance(mW) is 0.334 mW @ 2480MHz (With Tune-up tolerance),

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

So, [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] = 0.11 < 3.0 (With Tune-up tolerance).

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