

FCC EMF Compliance

20 March 2018

To whom it may concern

The Scuf Gaming SG305-02 controller is exempt from SAR evaluation as its output power meets the exclusion limits stated in FCC part 2.1093 and the general SAR test exclusion requirements detailed in KDB 447498 D01 V06, which states:

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The device operates in the 2400 – 2483.5 MHz band with a separation of $< 5\text{mm}$, so 5mm is used for the calculation.

Maximum measured power = $-1.6 \text{ dBm} = 0.7\text{mW}$

Calculation is:

$$(0.7/5) \cdot \sqrt{2.4835} = 0.22$$

0.22 is less than 3.0, so no SAR is required

Sincerely



C F J Blackham
Director