

FCC ID: HFS-RK

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 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 tune-up power for the subject keyboard is 3dBm +/- 1dB, therefore the highest tune-up power is 4.0 dBm (2.51 mW) @ 2480 MHz

When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So the exclusion index for the subject keyboard is,

$$(3\text{mW} / 5\text{mm}) \cdot (2.480\text{GHz})^{0.5} = 0.8$$

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.8 < 3.0$$

Therefore, the subject keyboard satisfies the SAR Test Exclusion Threshold condition and does not require the SAR measurements.