RF Exposure Requirements

Product Description: Bluetooth keyboard
Model No.: Y030, Y020, Y021, Y022, Y023, Y024, Y025, Y026, Y027, Y028, Y029, Y031, Y032, Y033, Y034, Y035, Y036, Y037, Y038, Y039, Y040, Y041, Y042, Y043, Y044, Y045, Y046, Y047, Y048, Y049
FCC ID: 2A7LV-Y030

According to the KDB 447498 D01 v06 section 4.3.1, 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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
- f(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

Calculation Result:

Tx frequency range: 2402-2480MHz
Min. test separation distance: 5mm
Maximum Conducted Output Power: -1.19dBm
Tune-Up output power: -1.0dBm
RF channel transmit frequency: 2480MHz
Result: 0.25
Limit: 3.0

The exclusion thresholds is 0.25 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.