RF Exposure Requirements

Product Description: wireless mouse
Model No.: G12, M1L, M1LBS, Q5, G16, G18, M2, K6, T12, M101, V7, T18, N01, X96, T85, U03, C10, C12, C24, Q18, Q16, G5, G9, G10, G15, T8, T5, M303, T56, T302, T16, T9, U9
FCC ID: 2A49E-G12

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 calculation17
- The result is rounded to one decimal place for comparison

Calculation Result:

For SRD:
Tx frequency range: 2408MHz-2474MHz
Min. test separation distance: 5mm
Max. Field Strength: 83.32dBuV/m @3m
EIRP=E-104.8+20logD=83.32-104.8+20log3=-11.94dBm
Maximum Conducted Output Power: -11.94dBm
Tune-Up output power: -11dBm
RF channel transmit frequency: 2474MHz
Result: 0.1
Limit: 3.0
The exclusion thresholds is 0.1 < 3

So the transmitter complies with the RF exposure requirements and the SAR is not required.