RF Exposure Requirements

Product Description: wireless mouse
Model No.: M16, T19, T21, V11, M530, M11, M18, M301, T518,U30,U21, U26, V12, Q8, Q85, Q12, G16, X801, M201, M521, T10, K09, T96, T30, V08, M102, M106
FCC ID: 2A49E-M16

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 Bluetooth:
Tx frequency range: 2402-2480MHz
Min. test separation distance: 5mm
Maximum Conducted Output Power: -8.527dBm
Tune-Up output power: -8.0 dBm
RF channel transmit frequency: 2480MHz
Result: 0.1
Limit: 3.0
The exclusion thresholds is 0.1 < 3

For SRD:
Tx frequency range: 2402MHz-2480MHz
Min. test separation distance: 5mm
Max. Field Strength: 87.62dBuV/m @3m
EIRP=E-104.8+20logD=87.62-104.8+20log3=-7.64dBm
Maximum Conducted Output Power: -7.64dBm
Tune-Up output power: -7.0 dBm
RF channel transmit frequency: 2402MHz
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.