



RF EXPOSURE EVALUATION

FCC ID:2ACFQ-IMOUSEV30

Product Name	:	Wireless Mouse
Model Name	:	iMouse V30, iMouse V20, iMouse V40, iMouse V50, iMouse V60, iMouse V70, iMouse P60, iMouse P70, iMouse P80, iMouse P90, iMouse E15, iMouse S15, iMouse S25, iMouse S35, iMouse S45, iMouse S55, iMouse M15, iMouse M25, iMouse M35, iMouse M45, iMouse M55, iMouse G15, iMouse G35, iMouse G45, iMouse G55, iMouse G65, iMouse V80, iMouse V90, iMouse V100, iMouse V200, iMouse V300, iMouse E25, iMouse E35, iMouse E45, iMouse E65, iMouse E75, iMouse S65, iMouse S75, iMouse S85, iMouse S95, iMouse E85, iMouse M65, iMouse M75, iMouse M85, iMouse M95, iMouse E95, iMouse G75, iMouse G85, iMouse G95, iMouse G100, iMouse G200
Operating frequency	:	2403-2480MHz
Numbers of Channel	:	16 channels for SRD
Antenna Type	:	PCB Antenna
Antenna Gain	:	2.08 dBi
Type of Modulation	:	GFSK
Power supply	:	Li-ion Battery : 602030 Rated Voltage: 3.7V Rated Capacity:300mAh 1.11Wh
Hardware Version	:	N/A
Software Version	:	N/A



Standard Requirement

According to § 15.247(i) and § 1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See KDB 447498 D01 General RF Exposure Guidance v06, section 4. 3. 1.

The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances \leq 50mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]^2 \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g SAR 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.

The test exclusions are applicable only when the minimum test separation distance is \leq 50mm and for transmission frequencies between 100MHz and 6GHz. When the minimum test separation distance is $< 5\text{mm}$, a distance of 5mm is applied to determine SAR test exclusion. Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.

RF Output power

Freq. (MHz)	Field strength(max)(dBuV/m)	EIRP (max) (dBm)
2441	94.75	-0.45
<p>Note: $EIRP = E^2 - 104.8 + 20 \log D$, Where E is the electric field strength in dBuV/m. EIRP is the equivalent isotropically radiated power in dBm. d is the specified measurement distance in m. where $D=3$, $EIRP = E - 95.2$.</p>		



Channel (MHz)	Maximum output power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Distance (mm)	Calculation results	Limit	Operating Mode
2441	-0.45	-0.45 ± 1	1.135011	5	0.354661	3	SRD

According to KDB 447498, no stand-alone required for SRD antenna, and no simultaneous SAR measurement is required.

Signature

A handwritten signature in black ink that reads "Simon Pu".

Simon Pu
Manager

Date: 2024-06-04