

RF Exposure Evaluation

Test report

On Behalf of

Dongguan Lingjie Electronics & Technology Co., Ltd

For

wireless mouse

Model No.: I268

FCC ID: 2ANBU-I268


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1 General Description of EUT

Product Name	wireless mouse
Model/Type reference	I268
Trade Mark	 or 富德®
FCC ID	2ANBU-I268
Hardware Version	VER 2.0
Software Version	V1.8
Operation frequency	2402.8MHz—2480.8MHz
Channel number	16
Modulation Technology	GFSK
Antenna Type	PCB Antenna
Antenna Gain	0dBi
Power Supply	DC 3.0V from battery

Note: 1. For more detailed features description, please refer to the Manual.

2 RF Exposure Compliance Requirement

2.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.2 Limits

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

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

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The results are rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

3 EUT RF Exposure

For 2.4G

GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402.8Hz)	-20.011	-20±1	-19	0.013	0.004	3.0
Middle (2441.8MHz)	-21.087	-22±1	-21	0.008	0.002	
Highest (2480.8MHz)	-22.259	-22±1	-21	0.008	0.003	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: HK2010213017-E