

# RF Exposure Evaluation

Test report  
On Behalf of  
VTIN TECHNOLOGY Co.,Limited  
For  
wireless mouse

Model No.: PC262A

FCC ID: 2AIL4-PC262A

Prepared for : VTIN TECHNOLOGY Co.,Limited  
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## 1 General Description of EUT

Equipment	wireless mouse
Model Name	PC262A
Serial No.	N/A
Model Difference	N/A
Trade Mark	VICTSING
FCC ID	2AIL4-PC262A
Hardware Version:	V1.0
Software Version:	V1.6
Operation frequency	2403.8MHz -- 2479.8MHz
Number of Channels	16
Antenna Type	PCB antenna
Antenna Gain	2.34dBi
Modulation Type	GFSK
Power Source	DC 3.7V from battery

## 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  $\leq 50$  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  $\leq 7.5$  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<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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

GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2403.8MHz)	-1.088	$-1 \pm 1$	0	1.00	0.310	3.0
Middle (2441.8MHz)	-1.402	$-1 \pm 1$	0	1.00	0.313	
Highest (2479.8MHz)	-1.639	$-1 \pm 1$	0	1.00	0.315	
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: HK1910252678-E