

# ***RF Exposure Report***

## ***FCC ID: 2AK8Q-WM008***

### **1. GENERAL INFORMATION**

#### **1.1 GENERAL DESCRIPTION OF EUT**

<b>Equipment</b>	Wireless mouse
<b>Model Name</b>	WM008
<b>Additional Model Number(s)</b>	N/A
<b>Model Difference</b>	N/A
<b>Frequency Range</b>	Bluetooth 3.0: 2402~2480 MHz
<b>Number of Channel:</b>	79 Channels
<b>Modulation Type</b>	Bluetooth: GFSK/ $\pi$ /4-DQPSK/8-DPSK
<b>RF Output Power</b>	Max: -0.126 dBm(8-DPSK)
<b>Antenna Type</b>	PCB Antenna (Gain: 0dBi)
<b>Power Source</b>	DC Powered by Battery .
<b>Power Rating</b>	DC 3.0V from 2*AAA Battery.
<b>Remark</b>	More details EUT technical specifications, please refer to the User's Manual.

## 2. RF EXPOSURE INFORMATION

### SAR Test Exclusion Calculations

#### 2.1 FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

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

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$$

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$$

#### 2.2 Calculation:

Bluetooth Mode						
GFSK(1Mbps)						
Frequency (MHz)	Conducte d Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	-0.402	0 ± 1	1	1.259	0.390	3.0
2441	-0.281	0 ± 1	1	1.259	0.393	3.0
2480	-0.368	0 ± 1	1	1.259	0.397	3.0
π /4-DQPSK (2Mbps)						
Frequency (MHz)	Conducte d Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	-0.393	0 ± 1	1	1.259	0.390	3.0
2441	-0.231	0 ± 1	1	1.259	0.393	3.0
2480	-0.320	0 ± 1	1	1.259	0.397	3.0
8-DPSK(3Mbps)						
Frequency (MHz)	Conducte d Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	-0.254	0 ± 1	1	1.259	0.390	3.0
2441	-0.126	0 ± 1	1	1.259	0.393	3.0
2480	-0.251	0 ± 1	1	1.259	0.397	3.0

So standalone SAR measurements are not required.

\*\*\*\*\*END OF REPORT\*\*\*\*\*