

RF Exposure Report

FCC ID: 2AK8Q-WM008

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless mouse
Model Name	WM008
Additional Model Number(s)	N/A
Model Difference	N/A
Frequency Range	Bluetooth 3.0: 2402~2480 MHz
Number of Channel:	79 Channels
Modulation Type	Bluetooth: GFSK/ π /4-DQPSK/8-DPSK
RF Output Power	Max: -0.126 dBm(8-DPSK)
Antenna Type	PCB Antenna (Gain: 0dBi)
Power Source	DC Powered by Battery .
Power Rating	DC 3.0V from 2*AAA Battery.
Remark	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 ≤ 50 mm are determined by:

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

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 7.5.0$ 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
$\pi/4$ -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*****