

RF Exposure Report

FCC ID: 2AK8Q-BM307

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless mouse
Model Name	BM307
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: 3.699 dBm(GFSK)
Antenna Type	PCB Antenna (Gain: 0dBi)
Power Source	DC Powered by Battery .
Power Rating	DC 3.0V from 2*AA 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)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	3.582	3 $\pm$ 1	4	2.512	0.779	3.0
2441	3.699	3 $\pm$ 1	4	2.512	0.785	3.0
2480	3.582	3 $\pm$ 1	4	2.512	0.791	3.0
π /4-DQPSK (2Mbps)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	2.213	2 $\pm$ 1	3	1.995	0.618	3.0
2441	2.389	2 $\pm$ 1	3	1.995	0.623	3.0
2480	2.273	2 $\pm$ 1	3	1.995	0.628	3.0
8-DPSK(3Mbps)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	MAX Power of Turn-up Tolerance (dbm)	TX Power (mW)	Calculation Value	Threshold Value
2402	2.357	2 $\pm$ 1	3	1.995	0.618	3.0
2441	2.521	2 $\pm$ 1	3	1.995	0.623	3.0
2480	2.395	2 $\pm$ 1	3	1.995	0.628	3.0

So standalone SAR measurements are not required.

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