



Radio Frequency Exposure

EUT INFORMATION

FCC ID	WKMF408BT
EUT	Wireless Keyboard
Frequency band (Operating)	Bluetooth: 2.402 GHz ~ 2.480 GHz
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☒ Tx/Rx diversity
Max. output power	GFSK: 2.73 dBm (1.87 mW)
Antenna gain (Max)	1.87 dBi

TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

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

The max. average power of channel, including tune-up tolerance(mW) is 2.00 mW @ 2480 MHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So, $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 2.00/5 * \sqrt{2.480} = \mathbf{0.63} < 3.0$ (With Tune-up tolerance).

Therefore, standalone SAR measurements are not required for both head and body.



Modulation Type	Channel	Frequency (MHz)	Peak Power Output (dBm)	Tune up Tolerance (dBm)	Tune up Power (mW)
GFSK (1Mbps)	00	2402	2.73	2±1	2.00
	39	2441	2.69	2±1	2.00
	78	2480	2.02	2±1	2.00
$\pi/4$ -DQPS K (2Mbps)	00	2402	2.27	2±1	2.00
	39	2441	2.16	2±1	2.00
	78	2480	1.44	1±1	1.58
8DPSK (3Mbps)	00	2402	2.30	2±1	2.00
	39	2441	2.38	2±1	2.00
	78	2480	1.50	1±1	1.58

Tested By:

Reviewed by:

Jul. 27, 2018

Date

Bell Wei/ Engineer

Jul. 27, 2018

Date

Mike Lee / Manager
Designation Number: TW2954