



Radio Frequency Exposure

EUT INFORMATION

FCC ID	FC650MDSBT
EUT	Bluetooth Keyboard
Frequency band (Operating)	2402 MHz ~ 2480 MHz
Max. output power	-6.742 dBm
Antenna gain (Max)	2.78 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:

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

$^{*}[\sqrt{f(\text{GHz})}] \leq 3.0$

Modulation Standard	Frequency (MHz)	Output Power (dBm)	Output Power with tune-up tolerance (dBm)
GFSK (1Mbps)	2402	-6.742	-6 \pm 2
	2441	-7.002	-7 \pm 2
	2480	-7.657	-7 \pm 2
$\pi/4$ -DQPSK (2Mbps)	2402	-6.760	-6 \pm 2
	2441	-7.052	-7 \pm 2
	2480	-7.663	-7 \pm 2
8DPSK (3Mbps)	2402	-6.754	-6 \pm 2
	2441	-7.020	-7 \pm 2
	2480	-7.619	-7 \pm 2

Frequency (MHz)	Output Power with tune-up tolerance (dBm)	Tune up Power (mW)
2402	-4	0.398



The max. average power of channel, including tune-up tolerance(mW) is 0.398 mW @ 2402 MHz
(With tune-up tolerance),

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

So, [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]
*[$\sqrt{f(\text{GHz})}$] = $0.398/5 \cdot \sqrt{2.402} = \mathbf{0.123} < 3.0$ (With Tune-up tolerance).

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

Tested By:

Reviewed by:

Mar. 11, 2021

(Date)

Bing / Engineer

Mar. 11, 2021

(Date)

Bell / Manager

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