



Radio Frequency Exposure

EUT INFORMATION

| | |
|-----------------------------------|---------------------|
| FCC ID | FC900RBT |
| EUT | Bluetooth Keyboard |
| Frequency band (Operating) | 2402 MHz ~ 2480 MHz |
| Max. output power | -6.409 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:

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

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

| Modulation Standard | Frequency (MHz) | Output Power (dBm) | Output Power with tune-up tolerance (dBm) |
|------------------------|-----------------|--------------------|---|
| GFSK (1Mbps) | 2402 | -6.409 | -6 \pm 2 |
| | 2441 | -6.567 | -7 \pm 2 |
| | 2480 | -7.148 | -7 \pm 2 |
| $\pi/4$ -DQPSK (2Mbps) | 2402 | -6.521 | -6 \pm 2 |
| | 2441 | -6.995 | -7 \pm 2 |
| | 2480 | -7.591 | -7 \pm 2 |
| 8DPSK (3Mbps) | 2402 | -6.706 | -6 \pm 2 |
| | 2441 | -7.003 | -7 \pm 2 |
| | 2480 | -7.598 | -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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