



## Radio Frequency Exposure

### EUT INFORMATION

<b>FCC ID</b>	FC900RBT
<b>EUT</b>	Bluetooth Keyboard
<b>Frequency band (Operating)</b>	2402 MHz ~ 2480 MHz
<b>Max. output power</b>	-6.409 dBm
<b>Antenna gain (Max)</b>	2.78 dBi

### TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance  $\leq 50$  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	-6.409	-6±2
	2441	-6.567	-7±2
	2480	-7.148	-7±2
$\pi/4$ -DQPSK (2Mbps)	2402	-6.521	-6±2
	2441	-6.995	-7±2
	2480	-7.591	-7±2
8DPSK (3Mbps)	2402	-6.706	-6±2
	2441	-7.003	-7±2
	2480	-7.598	-7±2

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



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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)] \*[ $\sqrt{f(\text{GHz})}$ ] =  $0.398/5 * \sqrt{2.402} = 0.123 < 3.0$  (With Tune-up tolerance).

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

**Tested By:**

Mar. 11, 2021  
(Date)

Bing / Engineer

**Reviewed by:**

Mar. 11, 2021  
(Date)

Bell / Manager

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