

# RF Exposure Report

## FCC ID: 2ALMT-JP092

### 1. GENERAL INFORMATION

#### 1.1 GENERAL DESCRIPTION OF EUT

<b>Equipment</b>	Bluetooth Keyboard
<b>Model Name</b>	JP092
<b>Additional Model Number(s)</b>	JP028, J033, JP030, JP086, JP087, JP088, JP118, JP119, JP092C, JP092A, JP098A, JP098D, JP098, JP132, JP133, JP134, JP135, JP136, JP137, JP138, JP139, JP140, JP141, JP143, JP142, JP155, JP156, JP157, JP158, JP159, JP160, JP161, JP162, JP163, JP164, JP165, JP166, JP167, JP168, JP169, JP170, JP171, JP172, JP173, JP174, JP175, JP176, JP177, JP178, JP179, JP180, JP181, JP183, JP183, JP184, JP185, JP186, JP187, JP188, JP189, JP190, JP191, JP192, JP193, JP194, JP195, JP196, JP197, JP198, JP199, JP200, JP022, JP023, JP024, JP201
<b>Model Difference</b>	All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name for commercial.
<b>Frequency Range</b>	Bluetooth V3.0: 2402~2480 MHz
<b>Number of Channel:</b>	79 Channels
<b>Modulation Type</b>	Bluetooth: GFSK
<b>RF Output Power</b>	GFSK: 4.125 dBm
<b>Antenna Type</b>	PCB Antenna (Gain: 1.87dBi)
<b>Power Source</b>	DC Powered by host system or Battery .
<b>Power Rating</b>	DC 5V from USB interference. DC 3.7V from 280mAh Battery.
<b>Remark</b>	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 distance  $\leq 50$  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	4.125	$4 \pm 1$	5	3.162	0.980	3.0
2441	4.045	$4 \pm 1$	5	3.162	0.988	3.0
2480	3.829	$4 \pm 1$	5	3.162	0.996	3.0

So standalone SAR measurements are not required.

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