

# RF Exposure Evaluation

## FCC ID: 2AHVWSKC-BKA050

### 1. Client Information

<b>Applicant</b>	: Shenzhen Sunkong Technology Development Co., Ltd
<b>Address</b>	: West, 4th Floor, 16 Building, Majialong Industrial Zone, Nanshan District, Shenzhen, China
<b>Manufacturer</b>	: Shenzhen Sunkong Technology Development Co., Ltd
<b>Address</b>	: West, 4th Floor, 16 Building, Majialong Industrial Zone, Nanshan District, Shenzhen, China

### 2. General Description of EUT

<b>EUT Name</b>	:	MOCUTE GAMEPAD
<b>Models No.</b>	:	SKC-BKA050
<b>Model Difference</b>	:	N/A
<b>Product Description</b>	:	Operation Frequency: Bluetooth 3.0:2402~2480MHz
	:	Number of Channel: Bluetooth:79 Channels
	:	Max Peak Output Power: Bluetooth: 1.785 dBm(GFSK)
	:	Antenna Gain: 0 dBi PCB Antenna
	:	Modulation Type: GFSK 1Mbps(1 Mbps)
<b>Power Supply</b>	:	DC Voltage supplied from Host System by USB cable. DC power by Li-ion Battery.
<b>Power Rating</b>	:	DC 5.0V by USB cable. DC 3.7V 350mAh by Li-ion Battery.
<b>Connecting I/O Port(S)</b>	:	Please refer to the User's Manual

#### Note:

More test information about the EUT please refer the RF Test Report.



## SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.

(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  $\leq 5$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0$  for 1-g SAR

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0$  for 10-g SAR

2.

Calculation:

Test separation: 5mm					
Bluetooth Mode (GFSK)					
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	1.785	$\pm 0.5$	1.692	0.525	3.0
2.441	1.183	$\pm 0.5$	1.473	0.460	3.0
2.480	0.974	$\pm 0.5$	1.404	0.442	3.0

So standalone SAR measurements are not required.