

# RF Exposure Evaluation

## FCC ID:2AHVWMOCUTE-054

### 1. Client Information

**Applicant** : Shenzhen Sunkong Technology Development Co., Ltd  
**Address** : West, 4th Floor, 16 Building, Majialong Industrial Zone, Nanshan District, Shenzhen, China  
**Manufacturer** : Shenzhen Sunkong Technology Development Co., Ltd  
**Address** : 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>	:	MOCUTE-054, MOCUTE-053
<b>Model Difference</b>	:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is MOCUTE-054 with phone holder, MOCUTE-053 without phone holder.
<b>Product Description</b>	Operation Frequency:	Bluetooth V3.0: 2402~2480 MHz
	RF Output Power:	Bluetooth: -1.747 dBm(GFSK)
	Antenna Gain:	2 dBi PCB Antenna
<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 by 400mAh 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 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  $\leq 5$  mm are determined by:

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

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

## 2. Calculation:

Test separation: 5mm						
Bluetooth Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-1.747	-2±0.5	-1.5	0.708	0.219	3.0
2.441	-2.300	-2±0.5	-1.5	0.708	0.221	3.0
2.480	-2.496	-2±0.5	-1.5	0.708	0.223	3.0

**So standalone SAR measurements are not required.**

**-----END OF REPORT-----**