

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

EUT Name	:	MOCUTE GAMEPAD	
Models No.	:	MOCUTE-054, MOCUTE-053	
Model Difference	:	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.	
Product Description	:	Operation Frequency:	Bluetooth V3.0: 2402~2480 MHz
		RF Output Power:	Bluetooth: -1.747 dBm(GFSK)
		Antenna Gain:	2 dBi PCB Antenna
Power Supply	:	DC Voltage supplied from Host System by USB cable. DC power by Li-ion Battery	
Power Rating	:	DC 5.0V by USB cable DC 3.7V by 400mAh Li-ion battery	
Connecting I/O Port(S)	:	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 ≤ 5 mm are determined by:

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

- [(max. power of channel, including tune-up tolerance, mW)/(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 (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.

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