RF Exposure Evaluation
FCC ID: 2A6OK-40239

1. Client Information

Applicant	:	Sertus Hong Kong
Address	:	Room 830, 8/F., Metro Centre II, no. 21 Lam Hing Street, Kowloon Bay, Kowloon, Hong Kong.
Manufacturer	:	Sertus Hong Kong
Address	:	Room 830, 8/F., Metro Centre II, no. 21 Lam Hing Street, Kowloon Bay, Kowloon, Hong Kong.

2. General Description of EUT

EUT Name	:	TETRIX 2.4 GHZ 4 CHANNEL WIRELESS GAMEPAD	
Models No.	:	40239	
Product Description	:	Operation Frequency:	2.4G: 2412MHz~2472MHz
		Number of Channel:	3 channels
		RF Output Power:	GFSK: -0.092dBm
		Antenna Gain:	0dBi PCB Antenna
Power Rating	:	DC 1.5V by AAA battery*4	
Software Version	:	-----	
Hardware Version	:	-----	
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.

1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86 75526509301 Fax: +86 75526509195

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)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2. Calculation:

Test separation: 5mm						
2.4G 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
2.412	-0.401	-0±1	1	1.259	0.4	**3.0**
2.442	-0.304	-0±1	1	1.259	0.4	**3.0**
2.472	-0.092	-0±1	1	1.259	0.4	**3.0**

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

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