



RF Exposure Evaluation

FCC ID: 2A6OK-92334

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	:	DRONE MAKER SUBKIT	
Model(s) No.	:	92334	
Product Description	:	Operation Frequency:	2.4GHz:2420MHz~2460MHz
		Number of Channel:	3 Channels
		Antenna Gain:	0.17 dBi Internal Antenna
		Modulation Type:	GFSK
Power Supply	:	Input: DC 1.5V AAA*3	
Software Version	:	V1.0	
Hardware Version	:	V1.0	
Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.			

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:

2.4GHz Mode						
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
2.420	-11.246	-11±1	-10	0.100	0.031	3.0
2.440	-10.716	-10±1	-9	0.126	0.039	3.0
2.460	-10.573	-10±1	-9	0.126	0.040	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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