



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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