

## RF Exposure Requirements

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Product Description: HD Video Drone/Neutron HD with Camera

Model No.: BKST007

FCC ID: VLEST007R

According to the KDB 447498 D01 V06, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

### General 2.4GHz Technique

Tx frequency range: 2405 ~ 2476 MHz Type of Modulation: GFSK

Antenna Type: Integral antenna (Gain: 1.9 dBi)

The nominal conducted output power: 0 dBm (Tolerance:  $\pm 3$  dB)

The maximum radiated output power (e.i.r.p): 1.9 dBm (Tolerance:  $\pm 3$  dB)

The maximum radiated emission for the EUT is 80.71 dB $\mu$ V/m at 3m

The maximum conducted output power specified is 3 dBm = 1.9953 mW

The source-based time-averaging conducted output power

= 1.9953 \* Duty cycle mW = 1.2778 mW (Duty Cycle = 64.04%)

The SAR Exclusion Threshold Level:

= 3.0 \* (min. test separation distance, mm) / sqrt (freq. in GHz)

= 3.0 \* 5 / sqrt (2.480) mW

= 9.5 mW

Source-based time-averaged Conducted output power is 1.2778 mW < 9.5mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.