# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

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|---|---|
| Product Description | 2.4G Quadcopter |
| Test Model | LM19 |
| Series Model | LM19-A, LM19-B, LM19-C, LM19-D, LM19-E, LM19-F, LM19-G, LM19-H, LM19-I, LM19-J, LM19-K, LM19-L, LM19-M, LM19-N, LM19-O, LM19-P, LM19-Q, LM19-R, LM19-S, LM19-T, LM19-U, LM19-V, LM19-W, LM19-X, LM19-Y, LM19-Z |
| FCC ID | 2AROE-LM19 |

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.
Where f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation

## 3. CALCULATION

$P_t$=5.250dBm=3.35mW

The value of the Maximum output power $P_t$ is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(3.35mW /5mm) .[√2.477(GHz)]= 1.05<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.

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