TEST REPORT

Product Name : WOW Drone
Model Number : ET-0784
FCC ID : 2ADM5-ET-0784-RX

Prepared for	:	Zeeva International Limited
Address	:	Suite 1007B, 10th Floor, Exchange Tower, 33 Wang Chiu Road, Kowloon Bay, Hong Kong, China
Prepared by	:	EMTEK (DONGGUAN) CO., LTD.
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Report Number	:	EDG2306080168E00302R
Date(s) of Tests	:	June 08, 2023 to July 18, 2023
Date of issue	:	July 18, 2023

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1. TEST RESULT CERTIFICATION

Applicant	:	Zeeva International Limited
Address :		Suite 1007B, 10th Floor, Exchange Tower, 33 Wang Chiu Road, Kowloon Bay, Hong Kong, China
Manufacturer	:	Zeeva International Limited
Address :		Suite 1007B, 10th Floor, Exchange Tower, 33 Wang Chiu Road, Kowloon Bay, Hong Kong, China
EUT	:	WOW Drone
Model Name	:	ET-0784
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
§ 1.1307(b), § 2.1093	**PASS**

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 1.1307(b), § 2.1093..

The test results of this report relate only to the tested sample identified in this report

Date of Test : June 08, 2023 to July 18, 2023

Prepared by : Xia Yang /Editor

Reviewer : Tim Dong/ Supervisor

Approve & Authorized Signer : Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2306080168E00302R	/	Original Report

2. EUT Specification

Characteristics	Description
Product:	WOW Drone
Model Number:	ET-0784
Sample Number:	2#
SKU#:	9087505
UPC#:	1922342811191
IEEE 802.11 WLAN Mode Supported:	802.11b 802.11g 802.11n(20MHz channel bandwidth)
Modulation:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Operating Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20);
Number of Channels:	11 channels for 802.11b/g/n(HT20);
Transmit Power Max:	5.50 dBm(0.003548W)
Antenna Type:	Integrated antenna
Antenna Gain:	2.31 dBi
Power Supply:	DC 3.7V/1800mAh from battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to KDB 447498 and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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*)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[24] where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation[25]
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.
One antenna is available for the EUT. The minimum separation distance is 5mm.

According to ANSI C63.10-2013
9.5 Equations to calculate EIRP
Calculate the EIRP from the radiated field strength in the far field using Equation (22):
EIRP = E + 20log (d) −104.7 (22)
where
EIRP is the equivalent isotropically radiated power, in dBm
E is the field strength of the emission at the measurement distance, in dBμV/m
d is the measurement distance, in m
Calculate the EIRP from the conducted power using Equation (23):
EIRP = P − G (23)
where
EIRP is the equivalent isotropically radiated power, in dBm
P is the measured power at feedpoint of the EUT antenna, in dBm
G is the gain of the EUT radiating element (antenna), in dBi
By combining Formula (22) and Formula (23), the result is
P = E + 20log (d) −104.7 + G

4. Measurement Result

Antenna gain: 2.31 dBi

Mode	Frequency (MHz)	Measured Power (dBm)	E.I.R.P(dBm)	Tune upPower (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR
802.11b	2412	4.97	7.28	7±1	8	1.9598311	3
	2437	4.57	6.88	6±1	7	1.5647961	3
	2462	4.87	7.18	7±1	8	1.9800403	3
802.11g	2412	5.50	7.81	7±1	8	1.9598311	3
	2437	5.23	7.54	7±1	8	1.9699616	3
	2462	5.43	7.74	7±1	8	1.9800403	3
802.11n (HT20)	2412	5.41	7.72	7±1	8	1.9598311	3
	2437	5.24	7.55	7±1	8	1.9699616	3
	2462	5.37	7.68	7±1	8	1.9800403	3

According to KDB 447498, no stand-alone required for antenna, and no simultaneous SAR measurement is required.

*** End of Report ***