

FCC REPORT

Applicant: Shenzhen Simtoo Intelligent Technology Co., LTD

Address of Applicant: West Industry Building A5, Park Road, Baoan District,
Shenzhen China 518000

Equipment Under Test (EUT)

Product Name: Dragonfly Drone

Model No.: DF-400

Trade mark: Simtoo

FCC ID: 2AG45-DF-400

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.249

Date of sample receipt: 23 Aug., 2016

Date of Test: 23 Aug., 2016 to 22 Sep., 2016

Date of report issued: 22 Sep., 2016

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	22 Sep., 2016	Original

Tested By: Zora Lee **Date:** 22 Sep., 2016
Project Engineer

Check By: M. Liang **Date:** 22 Sep., 2016
Reviewer

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
Conducted Emission	15.207	N/A
20dB bandwidth	15.215(c)	Pass
Field strength of the fundamental signal	15.249 (a)(e)	Pass
Out of band emissions	15.249 (d)/15.209/15.205	Pass

Pass: The EUT comply with the essential requirements in the standard.

4.1 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)

5 General Information

5.1 Client Information

Applicant:	Shenzhen Simtoo Intelligent Technology Co., LTD
Address of Applicant:	West Industry Building A5, Park Road, Baoan District, Shenzhen China 518000
Manufacturer/Factory:	Shenzhen Simtoo Intelligent Technology Co., LTD
Address of Manufacturer/Factory:	West Industry Building A5, Park Road, Baoan District, Shenzhen China 518000

5.2 General Description of E.U.T.

Product Name:	Dragonfly Drone
Model No.:	DF-400
Operation Frequency:	917MHz to 927.78MHz
Channel numbers:	50
Modulation type:	GFSK
Antenna Type:	Internal antenna
Antenna gain:	2.0dBi
Power supply:	DC 11.1V

Channel List			
Channel	Channel Frequency (MHz)	Channel	Channel Frequency(MHz)
0	917	25	922.5
1	917.22	26	922.72
2	917.44	27	922.94
3	917.66	28	923.16
4	917.88	29	923.38
5	918.1	30	923.6
6	918.32	31	923.82
7	918.54	32	924.04
8	918.76	33	924.26
9	918.98	34	924.48
10	919.2	35	924.7
11	919.42	36	924.92
12	919.64	37	925.14
13	919.86	38	925.36
14	920.08	39	925.58
15	920.3	40	925.8
16	920.52	41	926.02
17	920.74	42	926.24

18	920.96	43	926.46
19	921.18	44	926.68
20	921.4	45	926.9
21	921.62	46	927.12
22	921.84	47	927.34
23	922.06	48	927.56
24	922.28	49	927.78
Remark: Channel 0,25 ,49 as the lowest , middle , highest channel were selected for test			

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with modulation.
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5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
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5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Registration No.: 817957**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

● **IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282

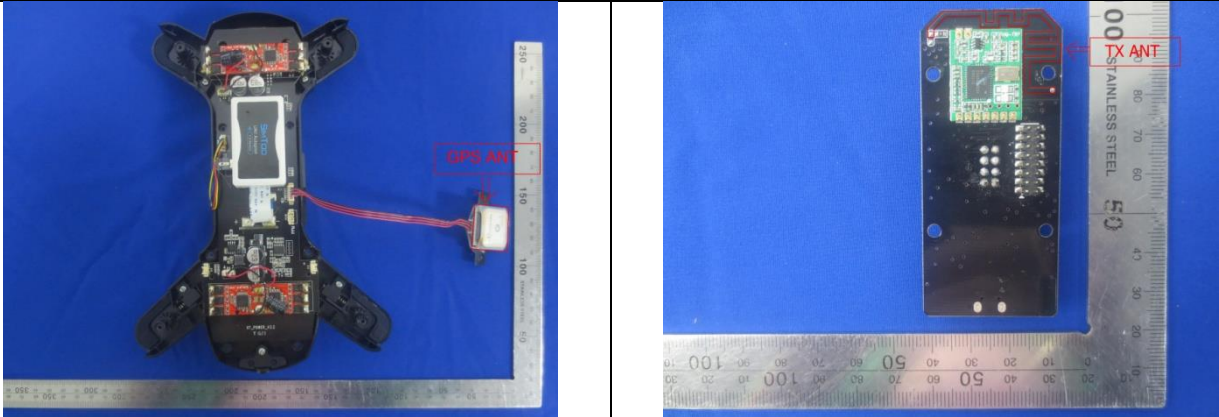
Fax: +86-755-23116366

5.7 Test Instruments list

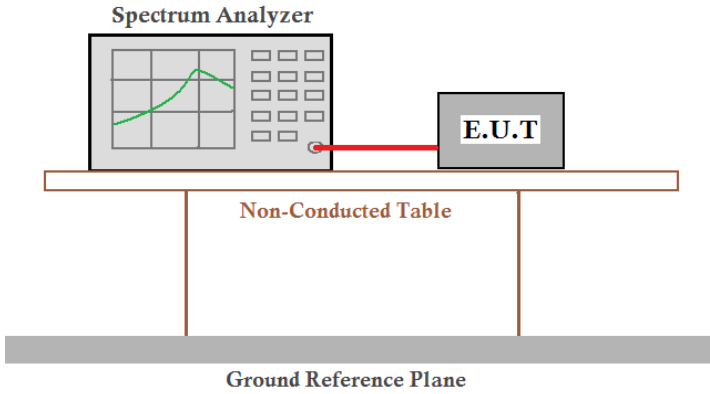
Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	03-25-2016	03-25-2017
2	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	03-25-2016	03-25-2017
3	Amplifier (10KHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2016	03-31-2017
4	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2016	03-31-2017
5	Spectrum analyzer	Rohde & Schwarz	FSP	CCIS0023	04-01-2016	03-31-2017
6	EMI Test Receiver	Rohde & Schwarz	ECSI	CCIS0002	04-01-2016	03-31-2017
7	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2016	03-31-2017
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2016	03-31-2017

6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
<p>15.203 requirement: <i>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</i></p>	
E.U.T Antenna:	
<p><i>The antenna is monopole antenna which cannot detachable . The best case gain of the antenna is 2.0dBi.</i></p>	
	

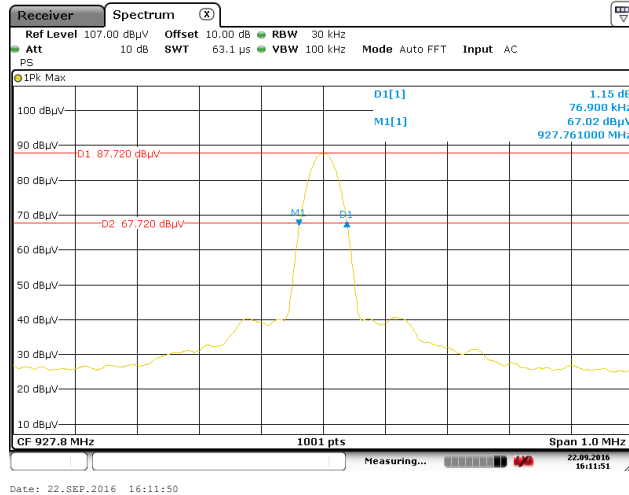
6.2 Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.249
Test Method:	ANSI C63.10:2013
Limit:	/
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

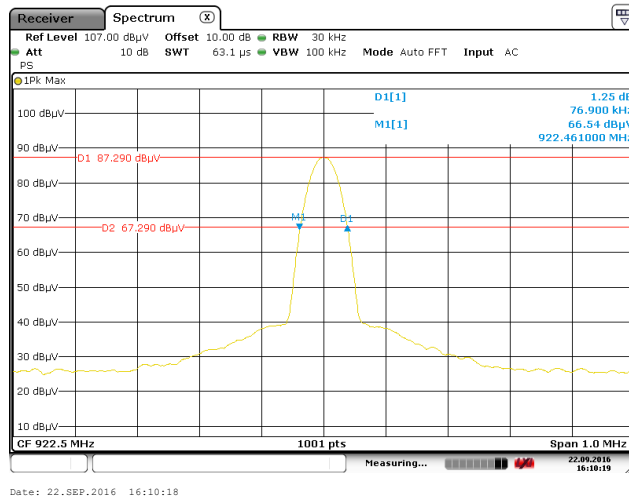
Measurement Data:

Test Frequency	20dB Emission Bandwidth (kHz)	Limit(kHz)	Result
917.00 MHz	76.9	--	Pass
922.5 MHz	76.9	--	Pass
927.78 MHz	76.9	--	Pass

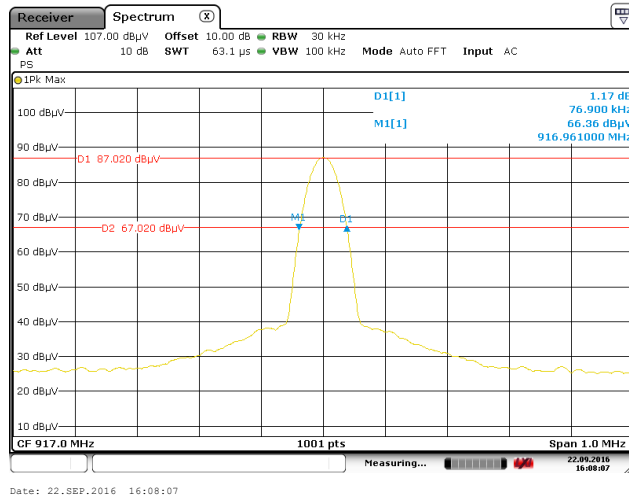
Test plot as below:



Lowest channel



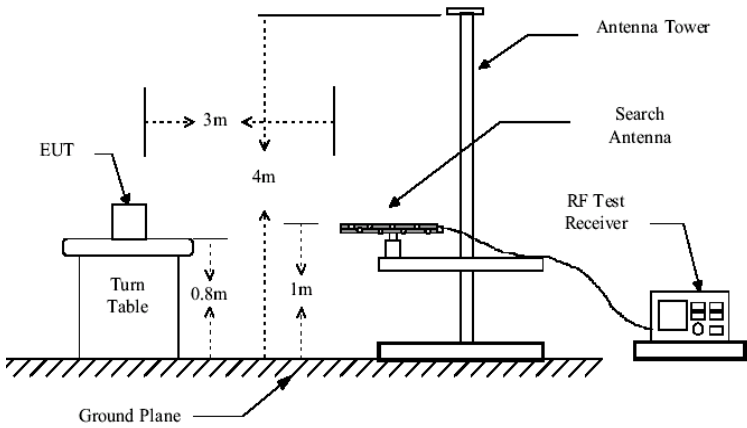
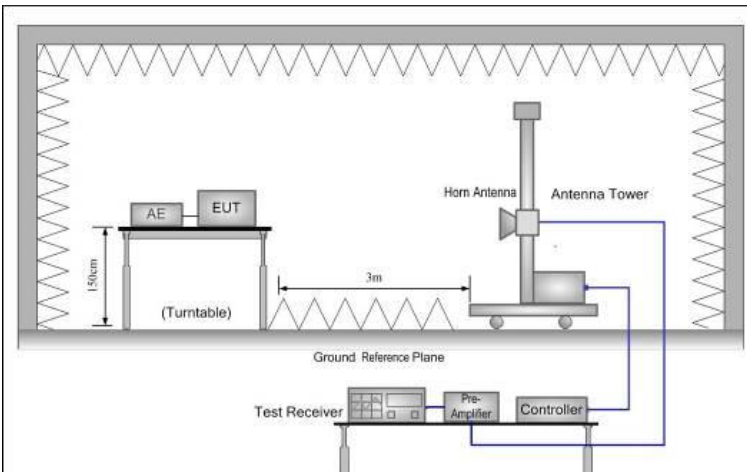
Middle channel



Highest channel

6.3 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.249 and 15.209				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	30MHz to 10GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit: (Field strength of the fundamental signal)	Frequency	Limit (dBuV/m @3m)		Remark	
	902-928MHz	94.00		Peak Value, Quasi-peak Value	
Limit: (Spurious Emissions)	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.00		Quasi-peak Value	
	88MHz-216MHz	43.50		Quasi-peak Value	
	216MHz-960MHz	46.00		Quasi-peak Value	
	960MHz-1GHz	54.00		Quasi-peak Value	
	Above 1GHz	54.00		Average Value	
		74.00		Peak Value	
Limit: (outside of the specified frequency band)	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.				
Test Procedure:	<ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 				

<p>Test setup:</p>	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
<p>Test Instruments:</p>	<p>Refer to section 5.7</p>
<p>Test mode:</p>	<p>Refer to section 5.3</p>
<p>Test results:</p>	<p>Passed</p>

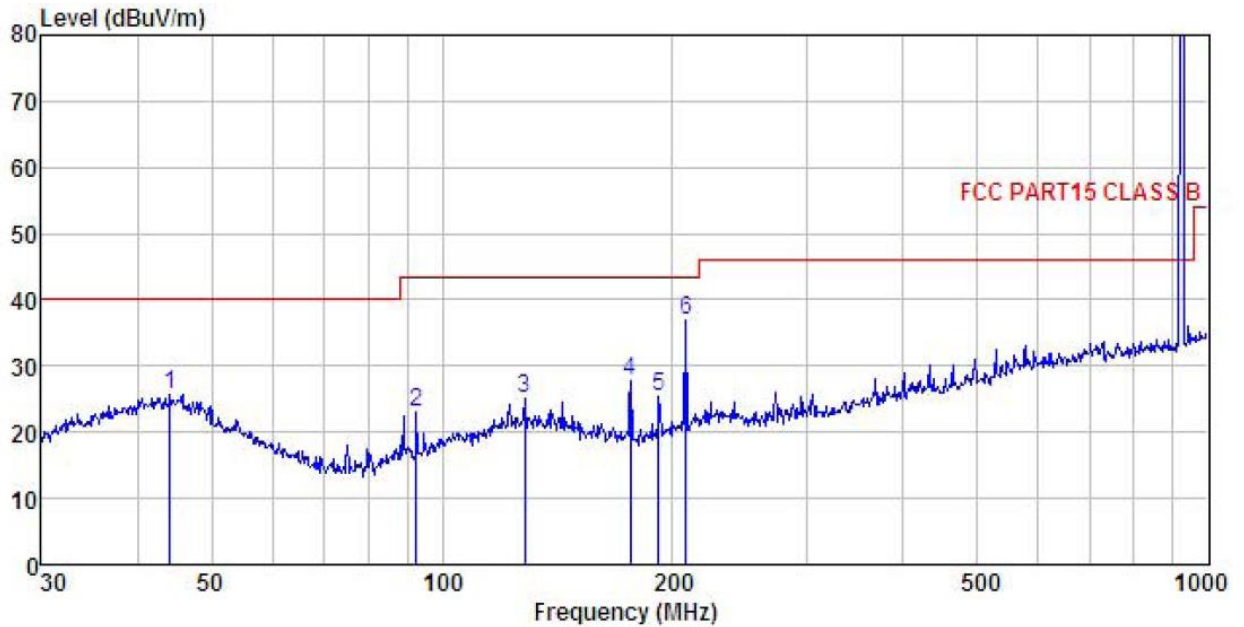
6.3.1 Field Strength Of The Fundamental Signal

Peak Value							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
917.0	60.25	21.75	3.88	85.88	94	8.12	Vertical
	66.76	21.75	3.88	92.39	94	1.61	Horizontal
922.5	61.63	21.78	3.94	87.35	94	6.65	Vertical
	67.20	21.78	3.94	92.92	94	1.08	Horizontal
927.78	60.73	21.82	3.98	86.53	94	7.47	Vertical
	67.15	21.82	3.98	92.95	94	1.05	Horizontal

6.3.2 Spurious Emissions

Below 1GHz

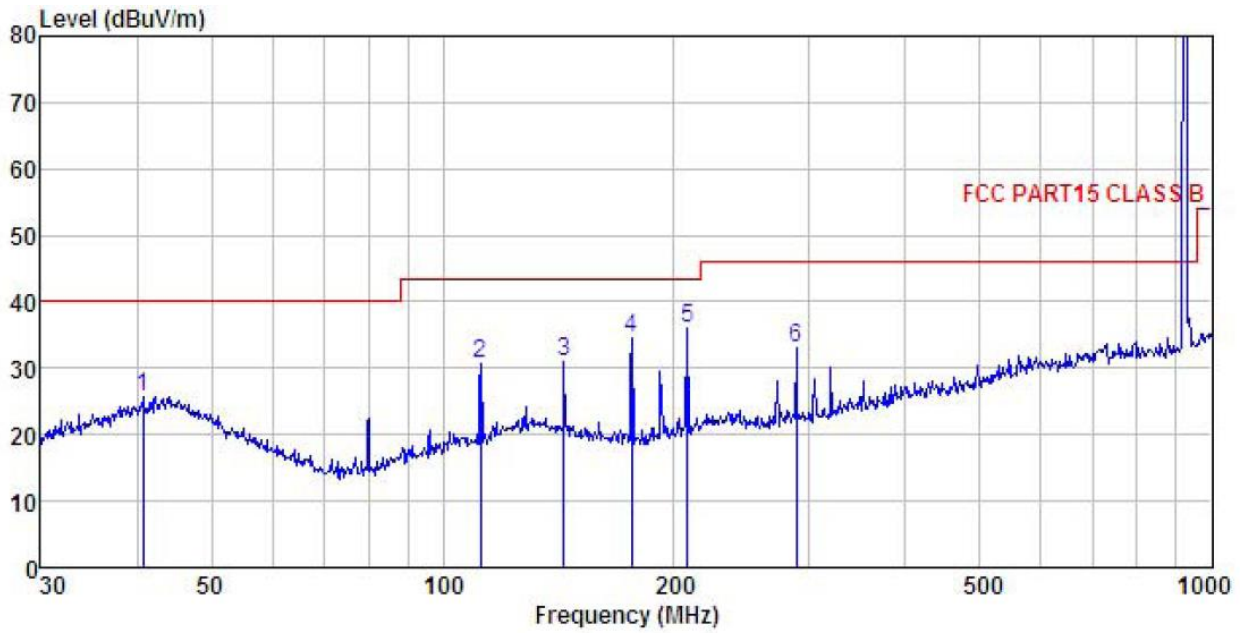
Vertical:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL
 EUT : Dragonfly Drone
 Model : DF-400
 Test mode : On mode
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55% 101KPa
 Test Engineer: Zora
 REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	44.120	6.90	17.56	1.28	0.00	25.74	40.00 -14.26 QP
2	92.462	12.73	8.38	2.03	0.00	23.14	43.50 -20.36 QP
3	128.113	10.65	12.21	2.26	0.00	25.12	43.50 -18.38 QP
4	176.269	15.73	9.40	2.70	0.00	27.83	43.50 -15.67 QP
5	191.745	12.84	9.79	2.81	0.00	25.44	43.50 -18.06 QP
6	207.850	23.40	10.56	2.86	0.00	36.82	43.50 -6.68 QP

Horizontal:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL
 EUT : Dragonfly Drone
 Model : DF-400
 Test mode : On mode
 Power Rating : AC120V/60Hz
 Environment : Temp:25.5°C Humi:55% 101KPa
 Test Engineer: Zora
 REMARK :

	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line			
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m			
1	40.702	7.52	17.01	1.22	0.00	25.75	40.00	-14.25	QP
2	112.131	17.86	10.62	2.08	0.00	30.56	43.50	-12.94	QP
3	143.830	17.08	11.34	2.44	0.00	30.86	43.50	-12.64	QP
4	176.269	22.50	9.40	2.70	0.00	34.60	43.50	-8.90	QP
5	207.850	22.65	10.56	2.86	0.00	36.07	43.50	-7.43	QP
6	287.990	17.79	12.27	2.91	0.00	32.97	46.00	-13.03	QP

Below 1GHz bandedge

Low channel

Quasi-peak Value							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
902	0.05	21.60	3.73	25.38	46	-20.62	Vertical
	1.31	21.60	3.73	26.64	46	-19.36	Horizontal

High channel

Quasi-peak Value							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
928	9.85	21.82	3.99	35.66	46	-10.34	Vertical
	11.58	21.82	3.99	37.39	46	-8.61	Horizontal

Above 1GHz
lowest channel

Peak value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1834.00	74.47	23.18	4.15	41.29	60.51	74.00	-13.49	Vertical
2751.00	65.14	24.73	5.09	41.70	53.26	74.00	-20.74	Vertical
3668.00	73.18	29.33	5.95	41.62	66.84	74.00	-7.16	Vertical
4585.00	53.69	34.95	6.89	42.13	53.40	74.00	-20.60	Vertical
5502.00	62.59	34.70	7.22	41.83	62.68	74.00	-11.32	Vertical
6419.00	55.81	35.97	8.26	41.91	58.13	74.00	-15.87	Vertical
7336.00	54.76	37.83	8.42	42.21	58.80	74.00	-15.20	Vertical
1834.00	74.09	23.18	4.15	41.29	60.13	74.00	-13.87	Horizontal
2751.00	63.83	24.73	5.09	41.70	51.95	74.00	-22.05	Horizontal
3668.00	72.29	29.33	5.95	41.62	65.95	74.00	-8.05	Horizontal
4585.00	58.47	34.95	6.89	42.13	58.18	74.00	-15.82	Horizontal
5502.00	64.87	34.70	7.22	41.83	64.96	74.00	-9.04	Horizontal
6419.00	57.67	35.97	8.26	41.91	59.99	74.00	-14.01	Horizontal
7336.00	53.19	37.83	8.42	42.21	57.23	74.00	-16.77	Horizontal
Average value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1834.00	51.16	23.18	4.15	41.29	37.20	54.00	-16.80	Vertical
2751.00	45.40	24.73	5.09	41.70	33.52	54.00	-20.48	Vertical
3668.00	50.39	29.33	5.95	41.62	44.05	54.00	-9.95	Vertical
4585.00	40.28	34.95	6.89	42.13	39.99	54.00	-14.01	Vertical
5502.00	41.65	34.70	7.22	41.83	41.74	54.00	-12.26	Vertical
6419.00	40.22	35.97	8.26	41.91	42.54	54.00	-11.46	Vertical
7336.00	39.51	37.83	8.42	42.21	43.55	54.00	-10.45	Vertical
1834.00	49.39	23.18	4.15	41.29	35.43	54.00	-18.57	Horizontal
2751.00	45.26	24.73	5.09	41.70	33.38	54.00	-20.62	Horizontal
3668.00	49.83	29.33	5.95	41.62	43.49	54.00	-10.51	Horizontal
4585.00	40.59	34.95	6.89	42.13	40.30	54.00	-13.70	Horizontal
5502.00	44.02	34.70	7.22	41.83	44.11	54.00	-9.89	Horizontal
6419.00	40.14	35.97	8.26	41.91	42.46	54.00	-11.54	Horizontal
7336.00	38.85	37.83	8.42	42.21	42.89	54.00	-11.11	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Middle channel

Peak value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1845.00	74.59	23.21	4.17	41.31	60.66	74.00	-13.34	Vertical
2767.50	59.64	24.76	5.10	41.70	47.80	74.00	-26.20	Vertical
3690.00	73.18	29.62	5.98	41.66	67.12	74.00	-6.88	Vertical
4612.56	56.30	35.08	6.89	42.12	56.15	74.00	-17.85	Vertical
5535.00	60.49	34.69	7.24	41.81	60.61	74.00	-13.39	Vertical
6457.50	55.12	36.03	8.27	41.91	57.51	74.00	-16.49	Vertical
7380.00	56.61	38.05	8.42	42.25	60.83	74.00	-13.17	Vertical
1845.00	75.40	23.21	4.17	41.31	61.47	74.00	-12.53	Horizontal
2767.50	63.81	24.76	5.10	41.70	51.97	74.00	-22.03	Horizontal
3690.00	71.36	29.62	5.98	41.66	65.30	74.00	-8.70	Horizontal
4612.56	58.57	35.08	6.89	42.12	58.42	74.00	-15.58	Horizontal
5535.00	64.34	34.69	7.24	41.81	64.46	74.00	-9.54	Horizontal
6457.50	53.26	36.03	8.27	41.91	55.65	74.00	-18.35	Horizontal
7380.00	59.69	38.05	8.42	42.25	63.91	74.00	-10.09	Horizontal
Average value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1845.00	50.02	23.21	4.17	41.31	36.09	54.00	-17.91	Vertical
2767.50	43.76	24.76	5.10	41.70	31.92	54.00	-22.08	Vertical
3690.00	49.25	29.62	5.98	41.66	43.19	54.00	-10.81	Vertical
4612.56	40.14	35.08	6.89	42.12	39.99	54.00	-14.01	Vertical
5535.00	41.74	34.69	7.24	41.81	41.86	54.00	-12.14	Vertical
6457.50	38.90	36.03	8.27	41.91	41.29	54.00	-12.71	Vertical
7380.00	40.13	38.05	8.42	42.25	44.35	54.00	-9.65	Vertical
1845.00	52.34	23.21	4.17	41.31	38.41	54.00	-15.59	Horizontal
2767.50	45.15	24.76	5.10	41.70	33.31	54.00	-20.69	Horizontal
3690.00	51.56	29.62	5.98	41.66	45.50	54.00	-8.50	Horizontal
4612.56	41.82	35.08	6.89	42.12	41.67	54.00	-12.33	Horizontal
5535.00	43.49	34.69	7.24	41.81	43.61	54.00	-10.39	Horizontal
6457.50	39.51	36.03	8.27	41.91	41.90	54.00	-12.10	Horizontal
7380.00	40.16	38.05	8.42	42.25	44.38	54.00	-9.62	Horizontal

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Highest Channel

Peak value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1855.56	71.80	23.24	4.18	41.34	57.88	74.00	-16.12	Vertical
2783.34	65.80	24.85	5.12	41.67	54.10	74.00	-19.90	Vertical
3711.12	73.65	29.81	6.00	41.68	67.78	74.00	-6.22	Vertical
4638.90	56.32	35.21	6.88	42.07	56.34	74.00	-17.66	Vertical
5566.68	62.76	34.69	7.27	41.80	62.92	74.00	-11.08	Vertical
6549.46	54.78	36.20	8.31	41.89	57.40	74.00	-16.60	Vertical
7423.24	52.45	38.38	8.42	42.30	56.95	74.00	-17.05	Vertical
1855.56	75.20	23.24	4.18	41.34	61.28	74.00	-12.72	Horizontal
2783.34	62.18	24.85	5.12	41.67	50.48	74.00	-23.52	Horizontal
3711.12	64.87	29.81	6.00	41.68	59.00	74.00	-15.00	Horizontal
4638.90	57.92	35.21	6.88	42.07	57.94	74.00	-16.06	Horizontal
5566.68	64.42	34.69	7.27	41.80	64.58	74.00	-9.42	Horizontal
6549.46	57.86	36.20	8.31	41.89	60.48	74.00	-13.52	Horizontal
7423.24	55.41	38.38	8.42	42.30	59.91	74.00	-14.09	Horizontal
Average value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1855.56	49.12	23.24	4.18	41.34	35.20	54.00	-18.80	Vertical
2783.34	44.96	24.85	5.12	41.67	33.26	54.00	-20.74	Vertical
3711.12	51.49	29.81	6.00	41.68	45.62	54.00	-8.38	Vertical
4638.90	42.56	35.21	6.88	42.07	42.58	54.00	-11.42	Vertical
5566.68	43.32	34.69	7.27	41.80	43.48	54.00	-10.52	Vertical
6549.46	41.03	36.20	8.31	41.89	43.65	54.00	-10.35	Vertical
7423.24	40.37	38.38	8.42	42.30	44.87	54.00	-9.13	Vertical
1855.56	51.54	23.24	4.18	41.34	37.62	54.00	-16.38	Horizontal
2783.34	44.18	24.85	5.12	41.67	32.48	54.00	-21.52	Horizontal
3711.12	47.36	29.81	6.00	41.68	41.49	54.00	-12.51	Horizontal
4638.90	42.57	35.21	6.88	42.07	42.59	54.00	-11.41	Horizontal
5566.68	43.12	34.69	7.27	41.80	43.28	54.00	-10.72	Horizontal
6549.46	41.36	36.20	8.31	41.89	43.98	54.00	-10.02	Horizontal
7423.24	42.30	38.38	8.42	42.30	46.80	54.00	-7.20	Horizontal

Remark:

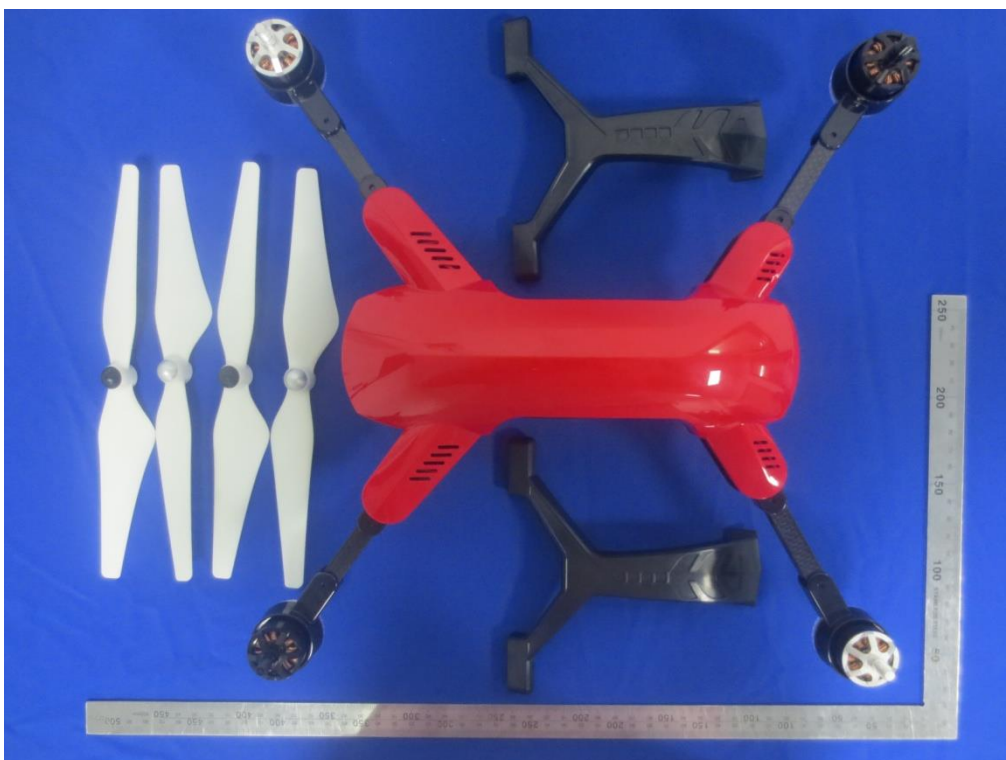
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

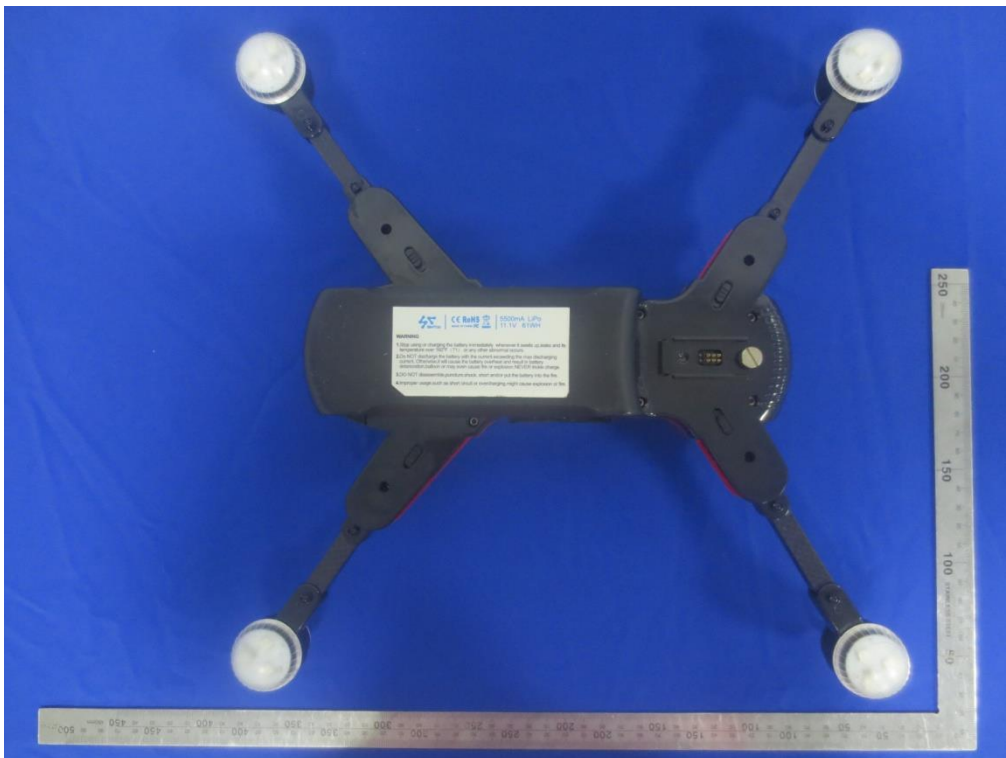
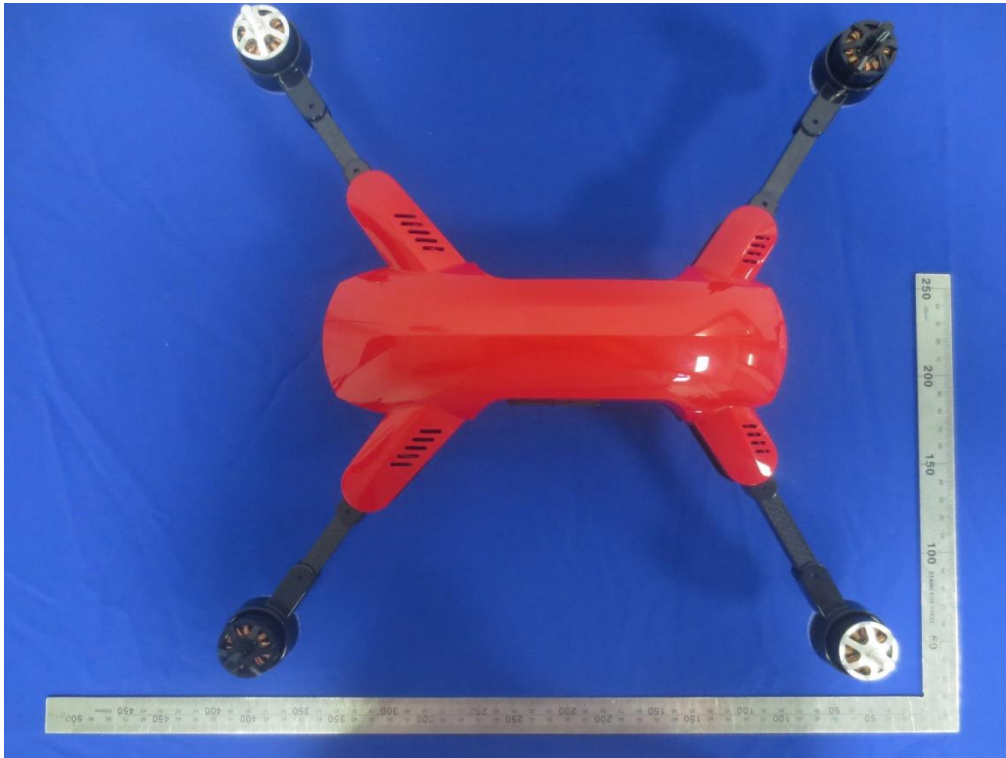
7 Test Setup Photo

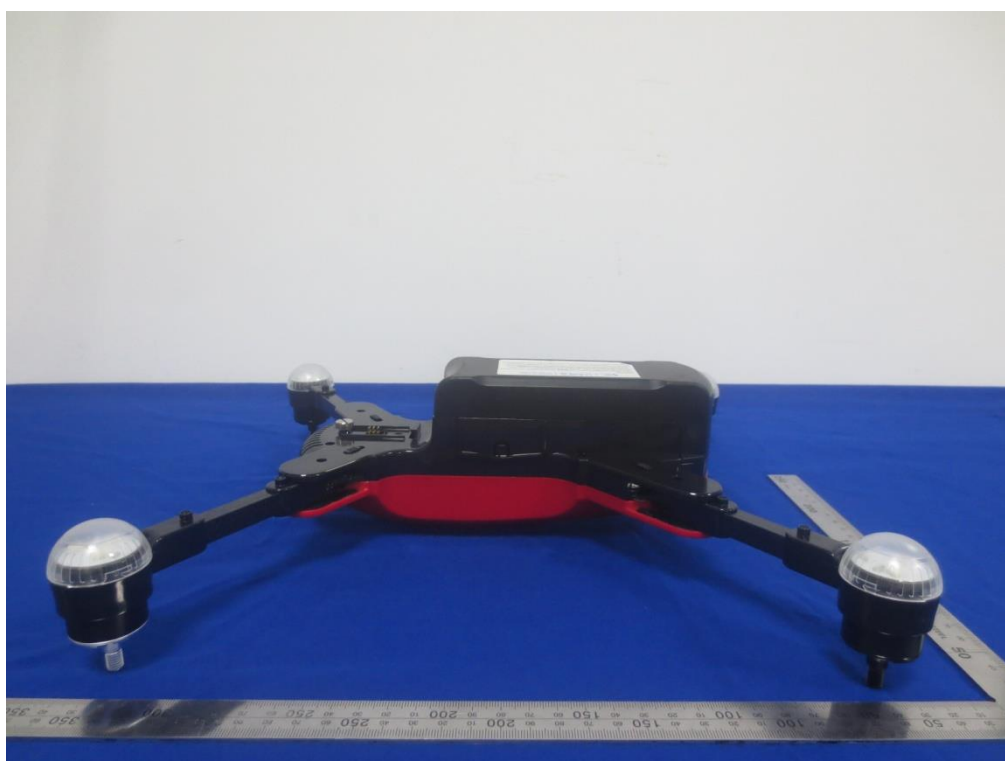
Radiated spurious emission



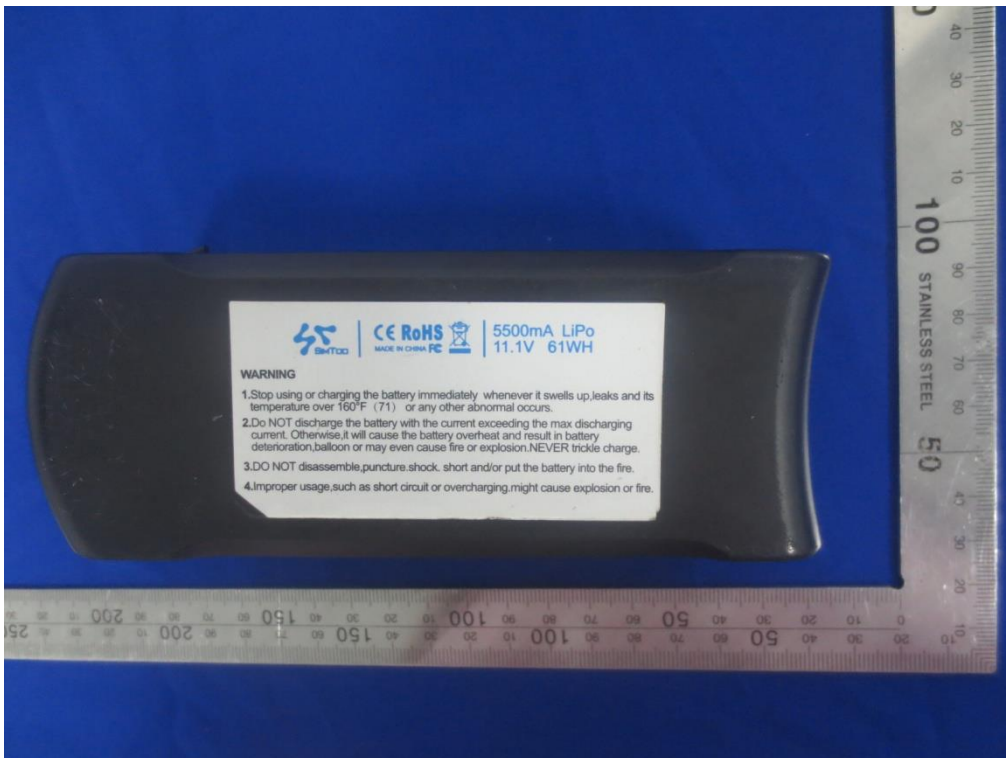
8 EUT Constructional Details







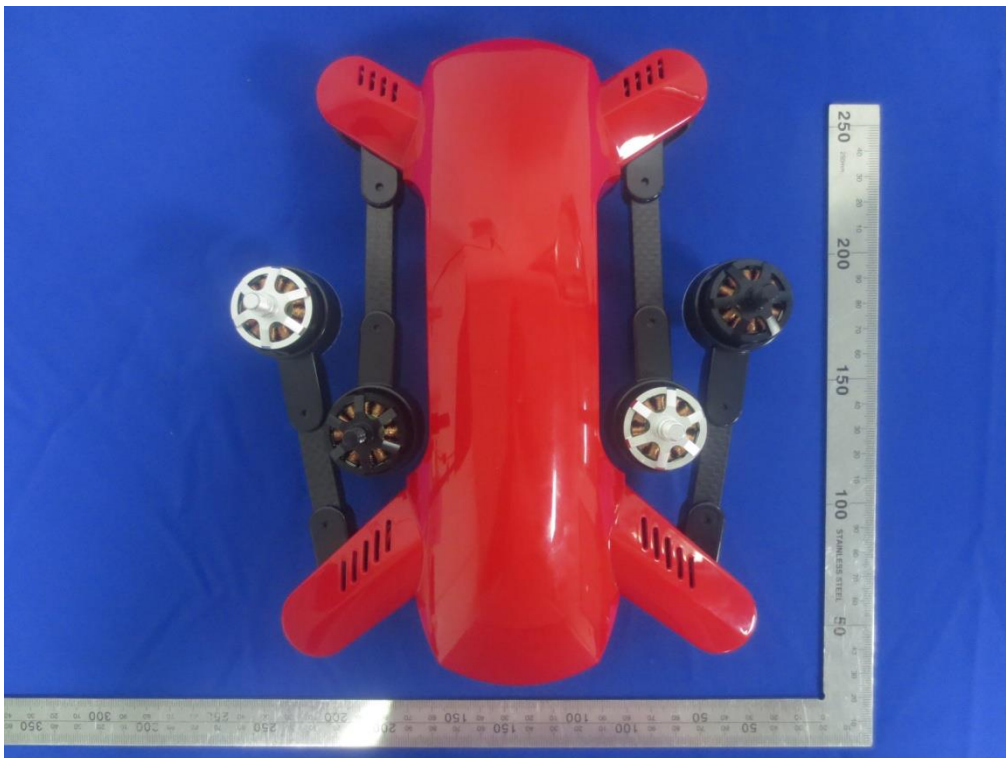


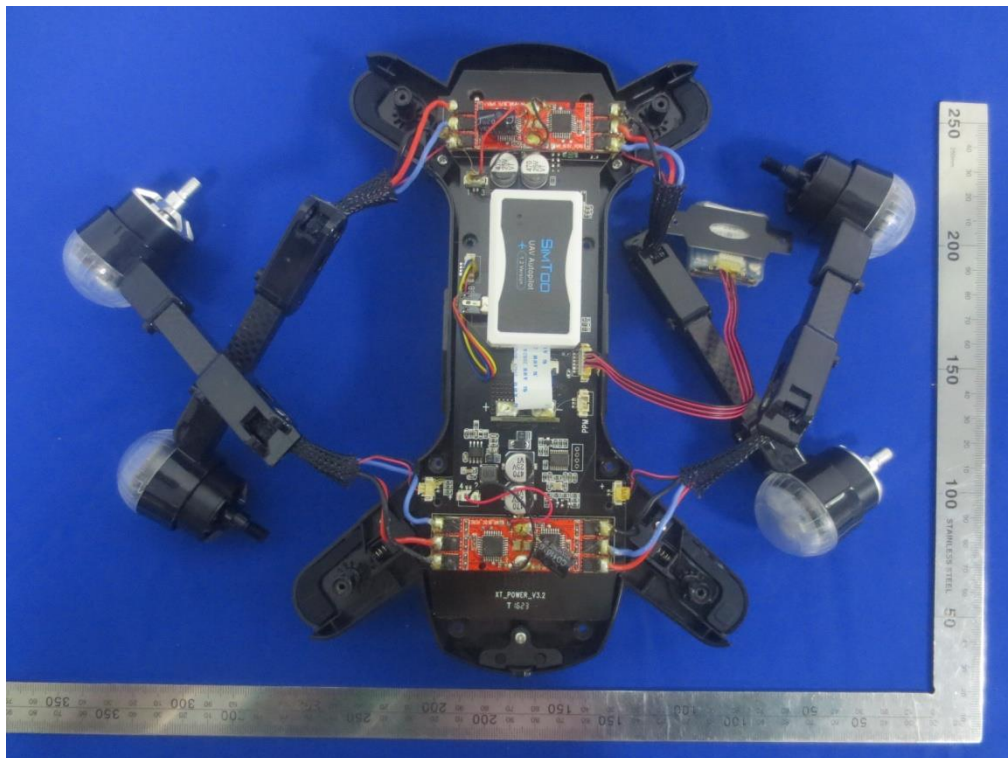
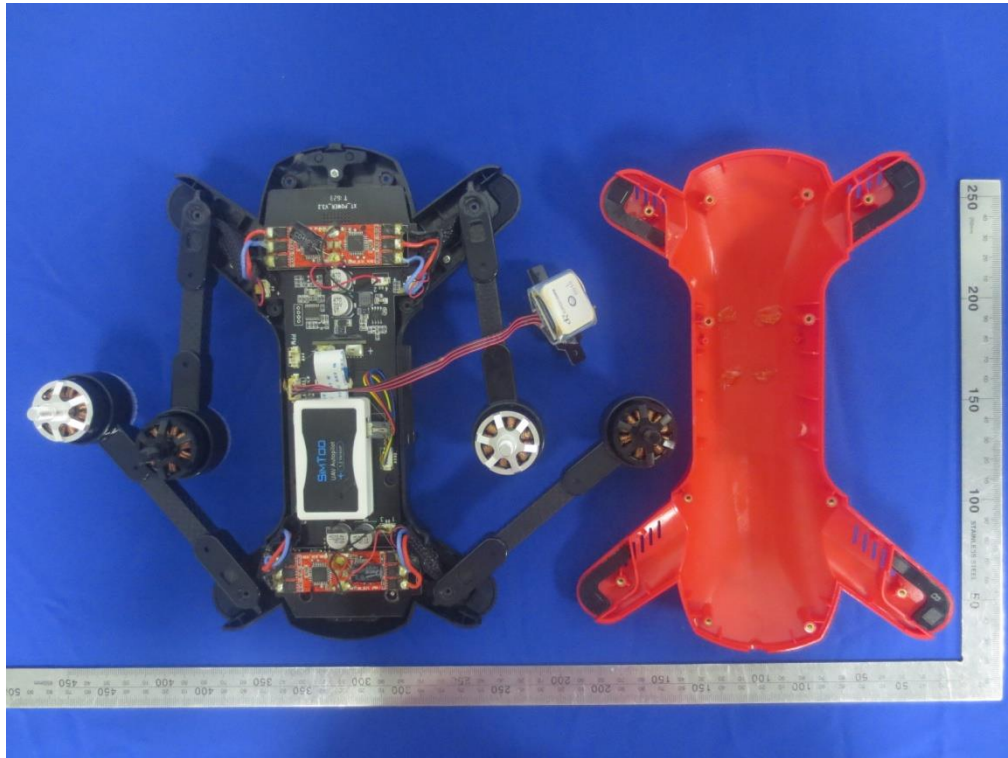


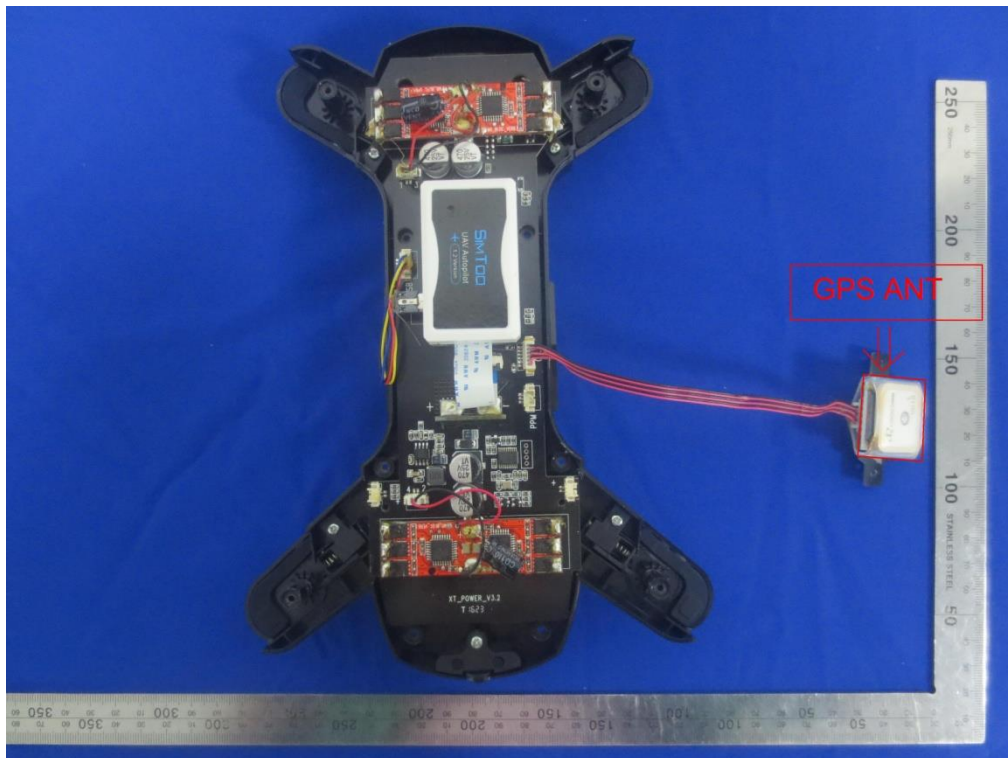
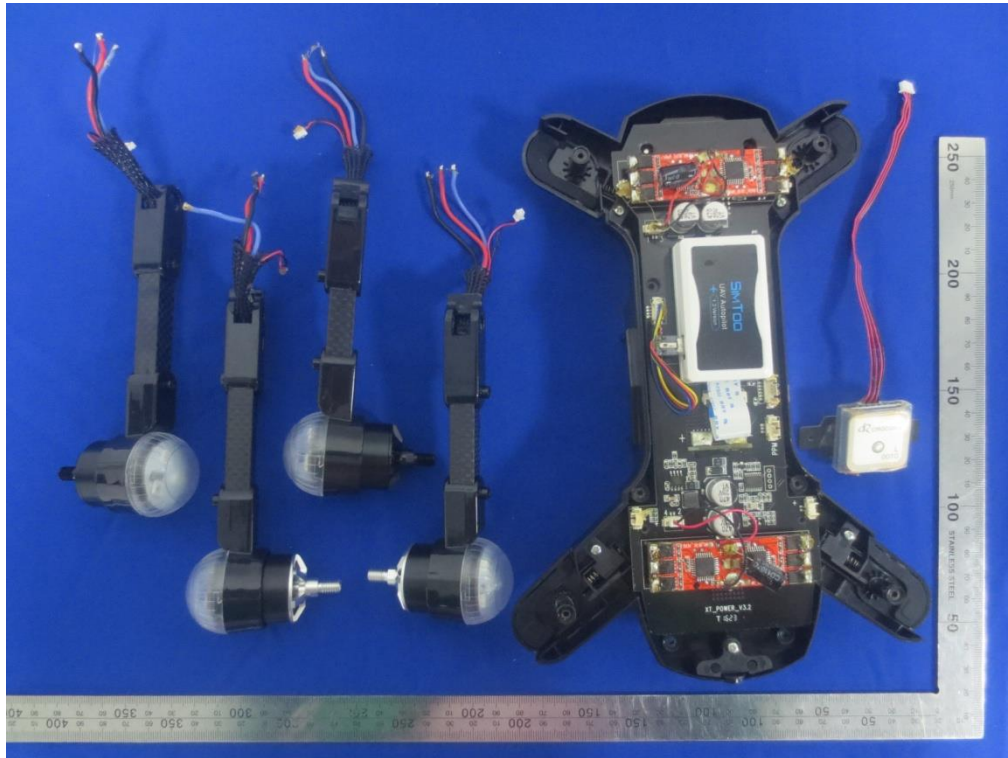
5 | **CE RoHS** | **5500mAh LiPo**
MADE IN CHINA | **11.1V 61WH**

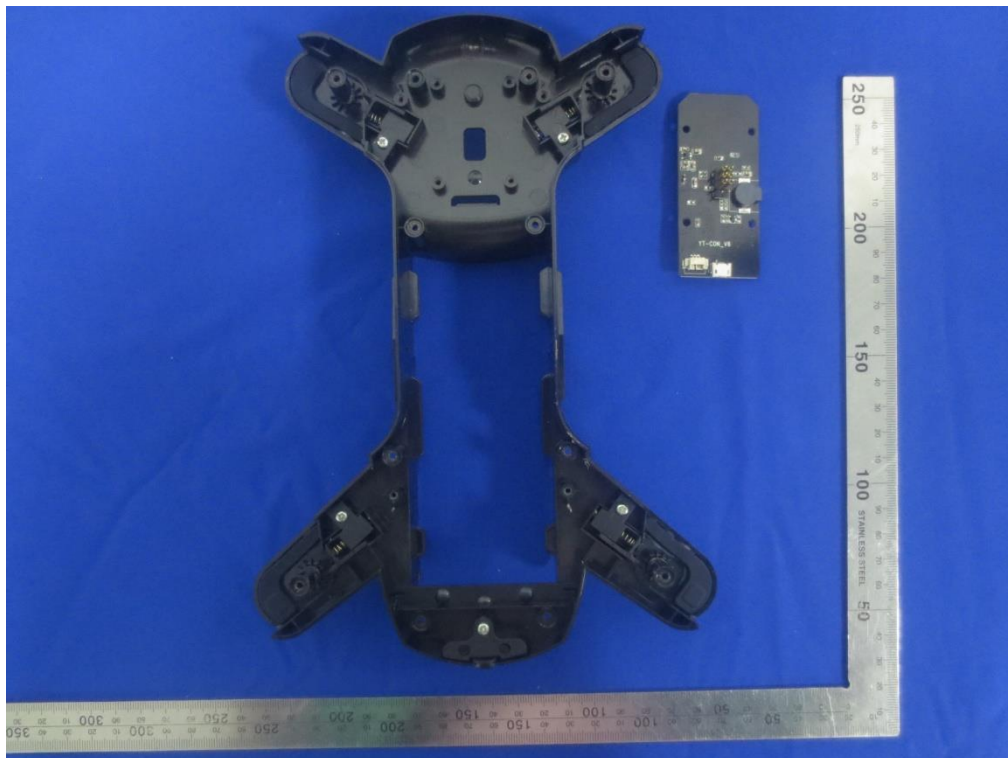
WARNING

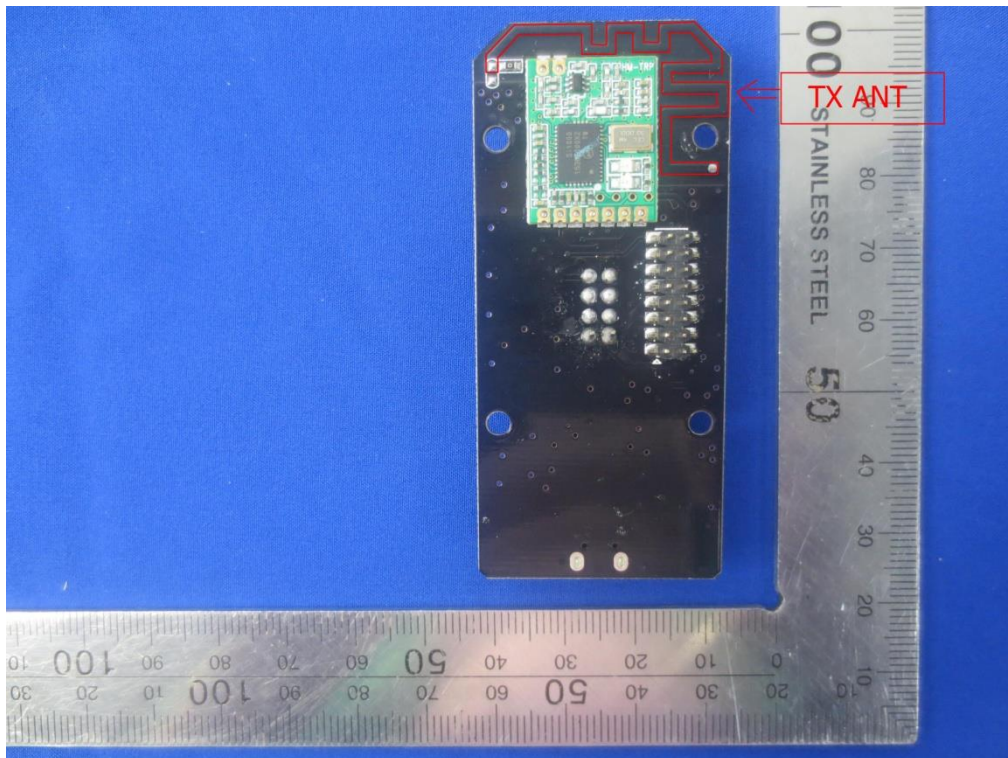
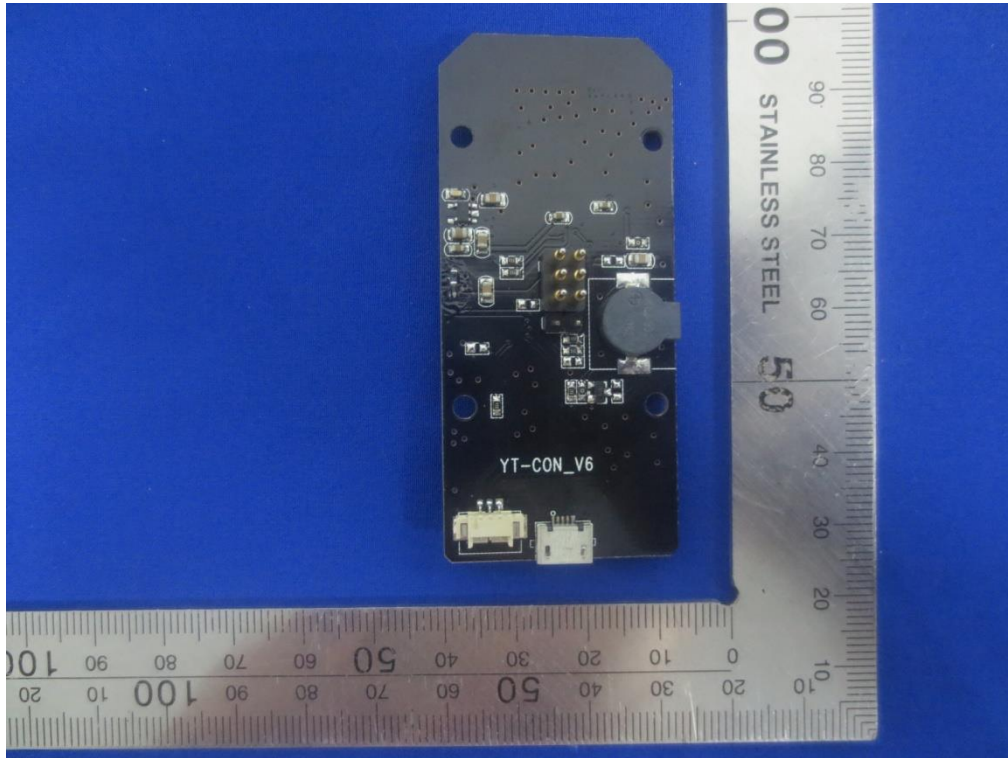
1. Stop using or charging the battery immediately whenever it swells up, leaks and its temperature over 160°F (71) or any other abnormal occurs.
2. Do NOT discharge the battery with the current exceeding the max discharging current. Otherwise, it will cause the battery overheat and result in battery deterioration, balloon or may even cause fire or explosion. NEVER trickle charge.
3. DO NOT disassemble, puncture, shock, short and/or put the battery into the fire.
4. Improper usage, such as short circuit or overcharging, might cause explosion or fire.

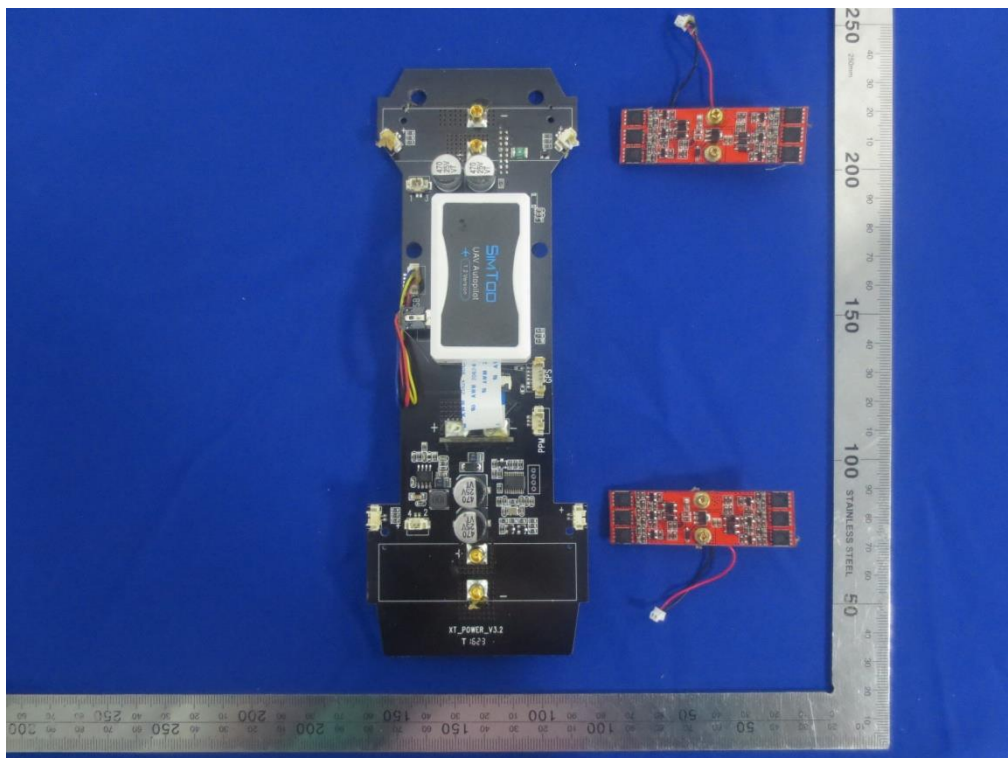
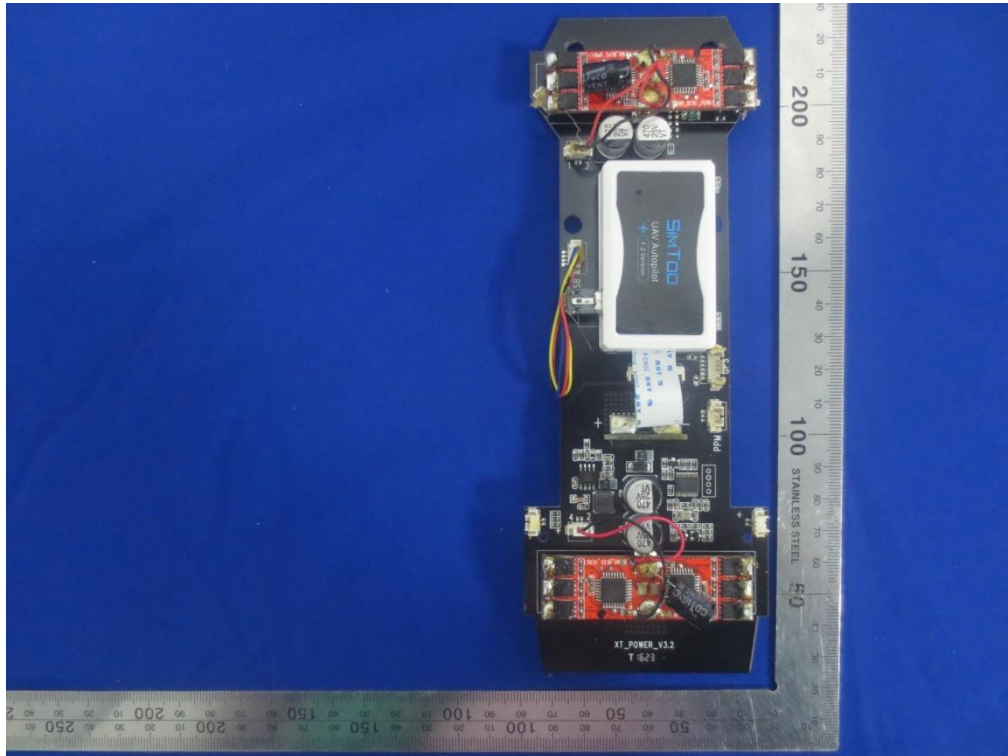


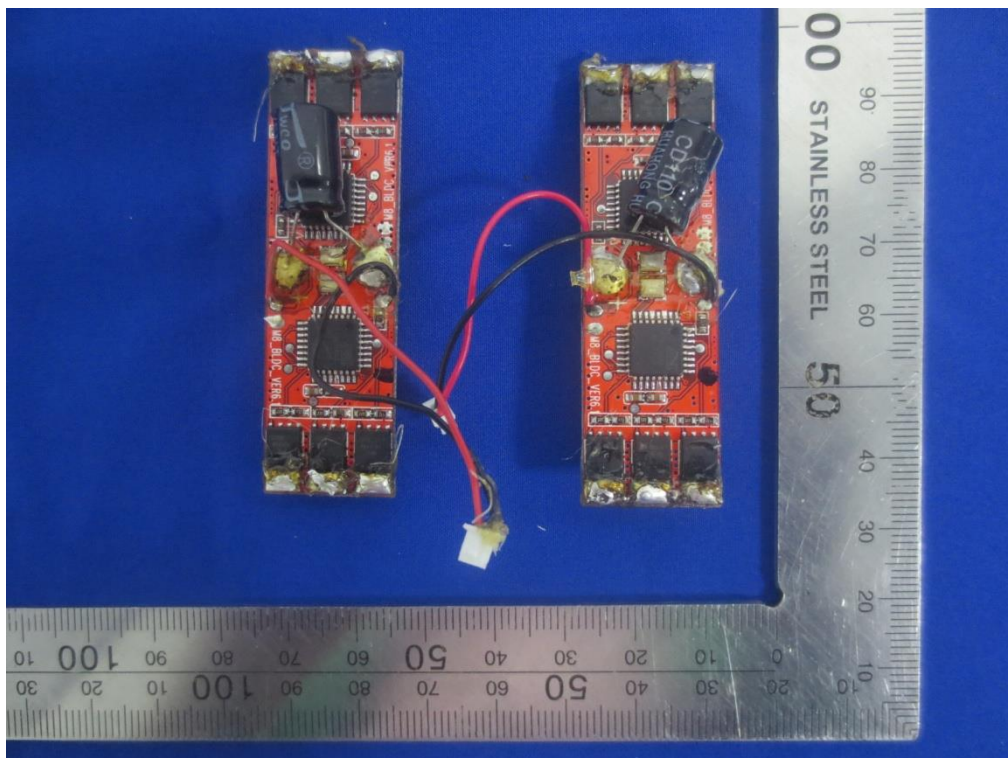
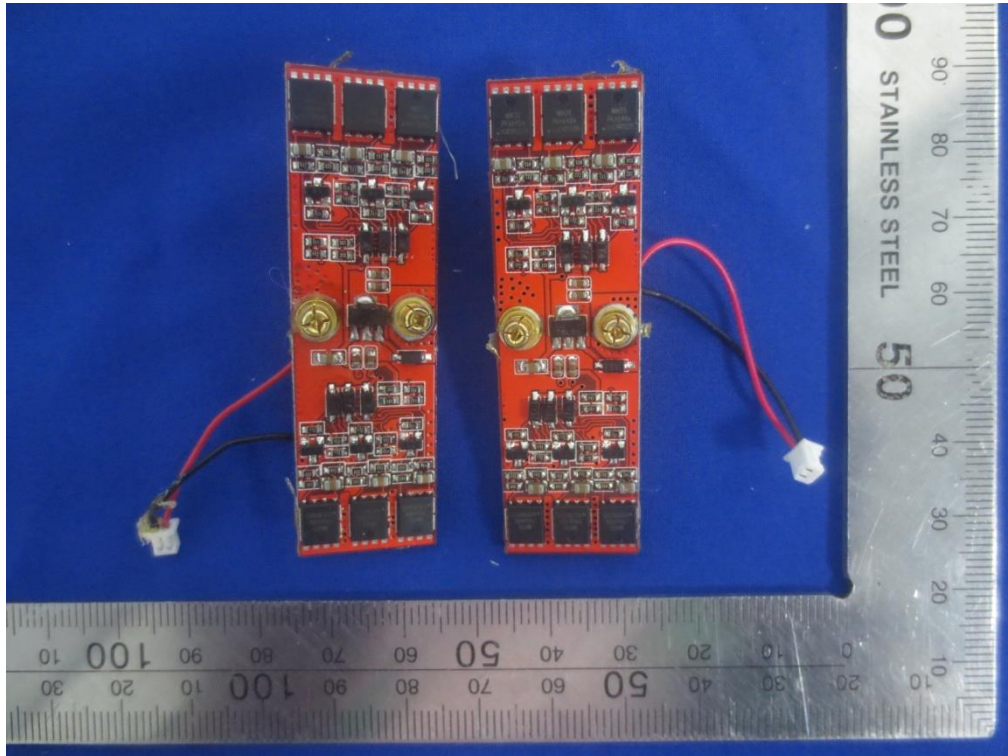


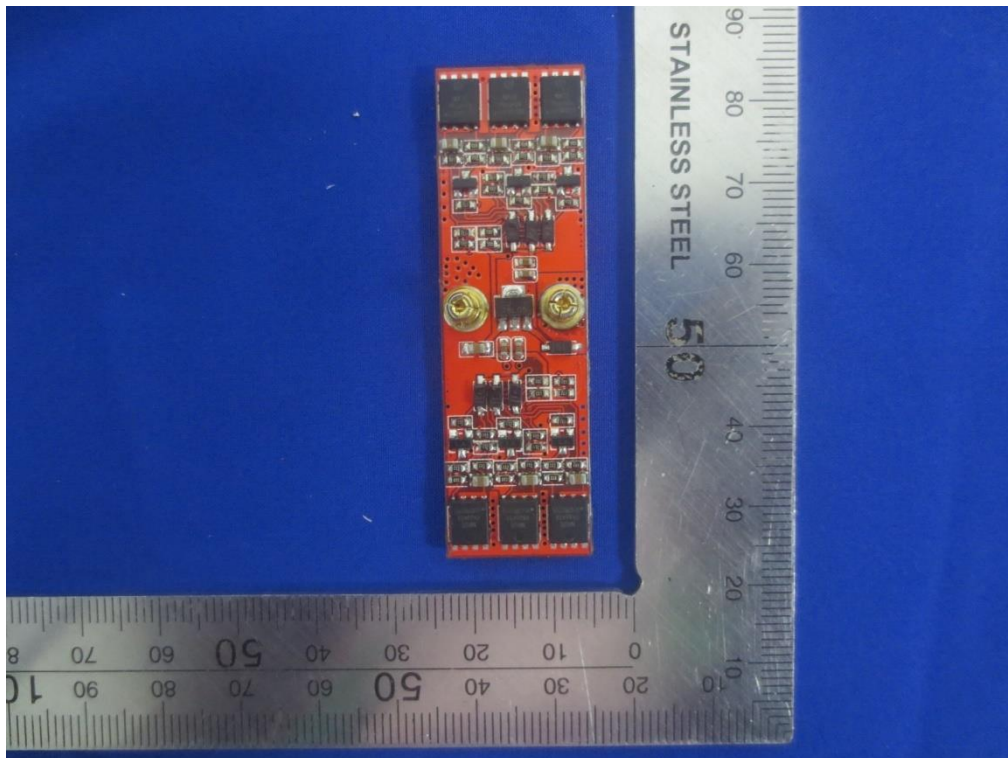
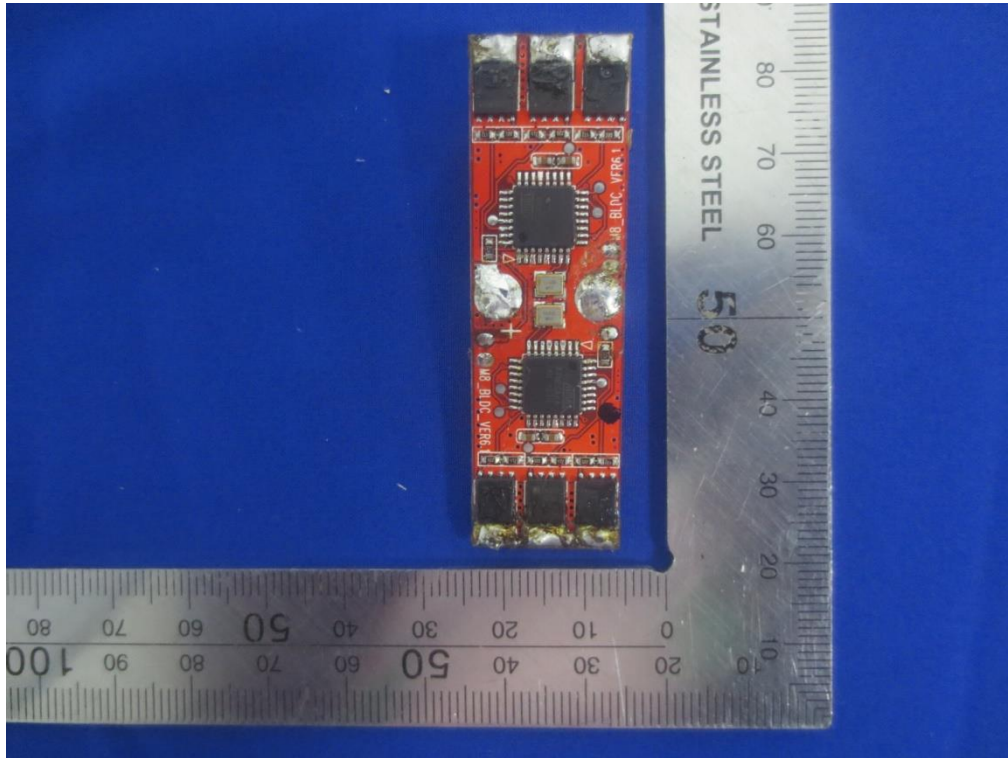


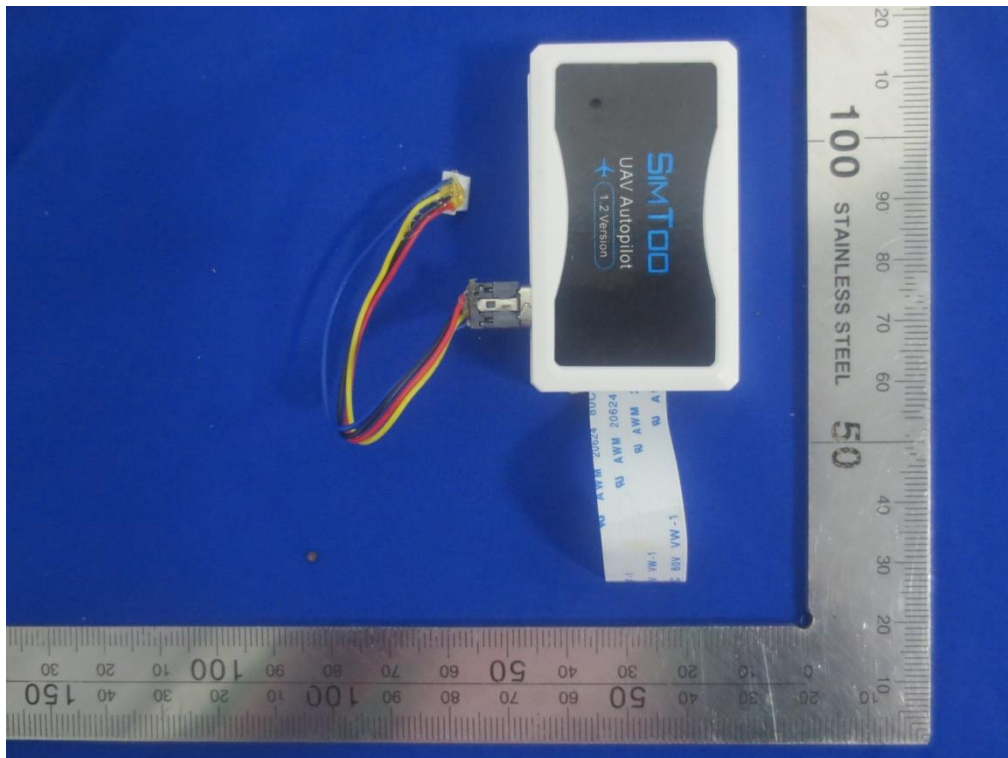
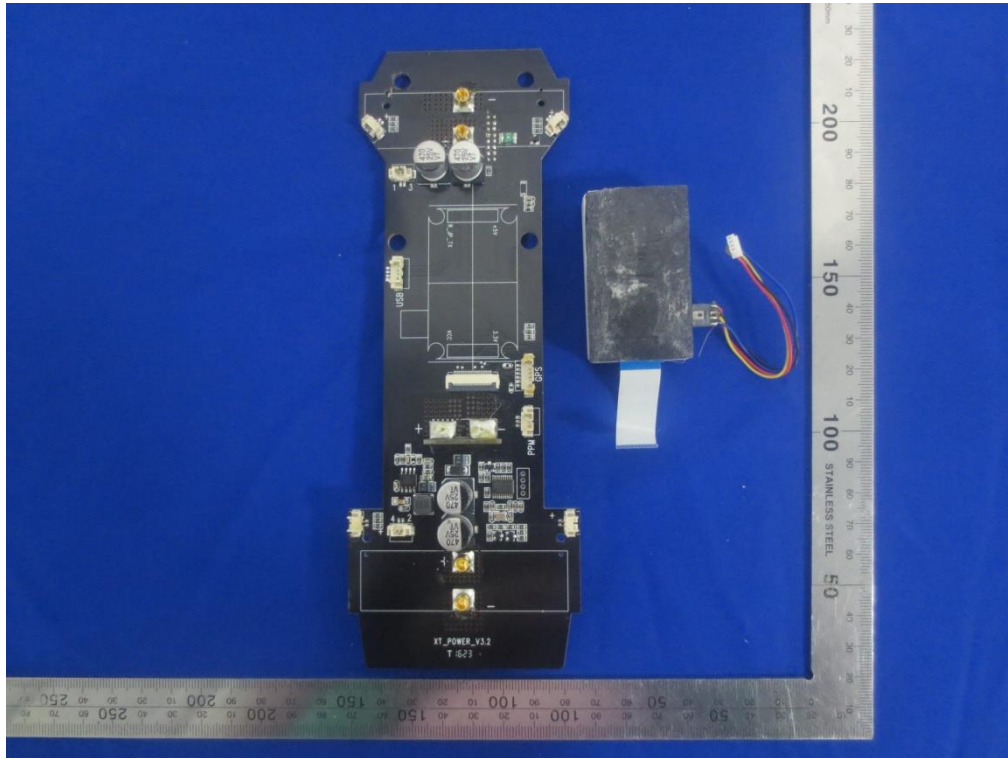


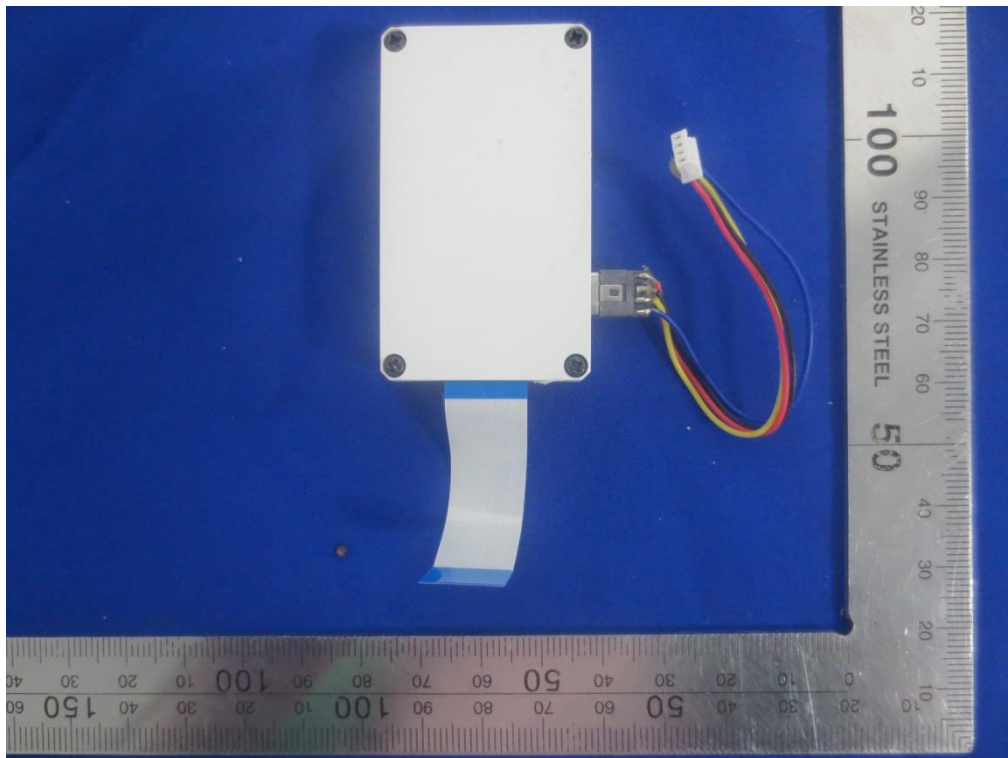
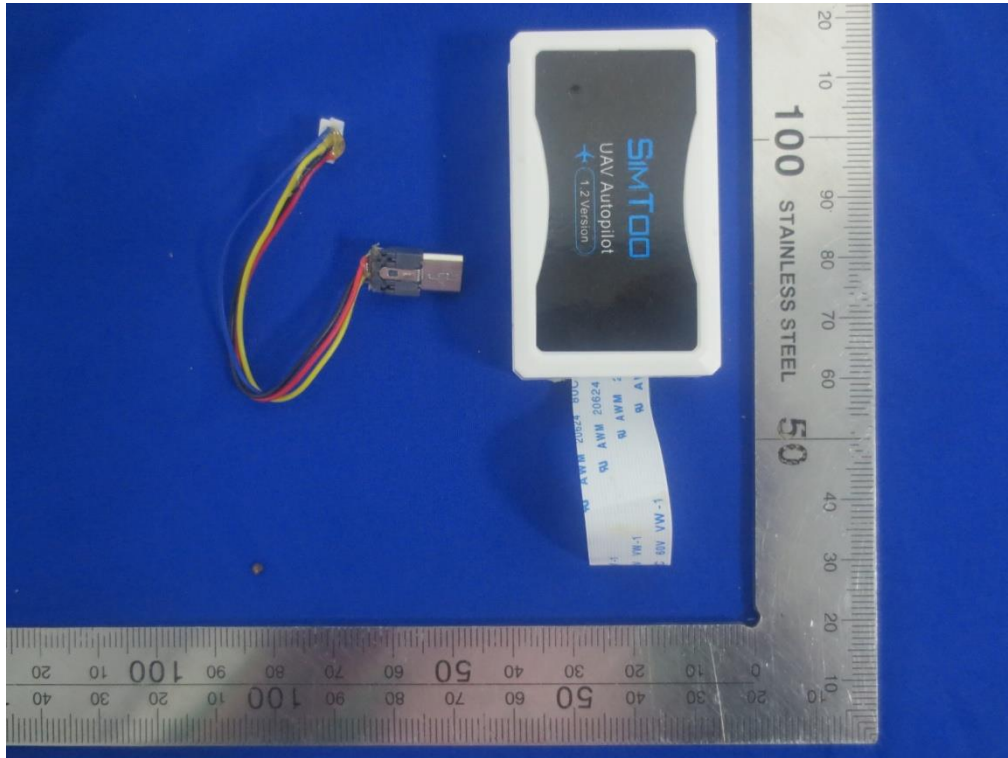


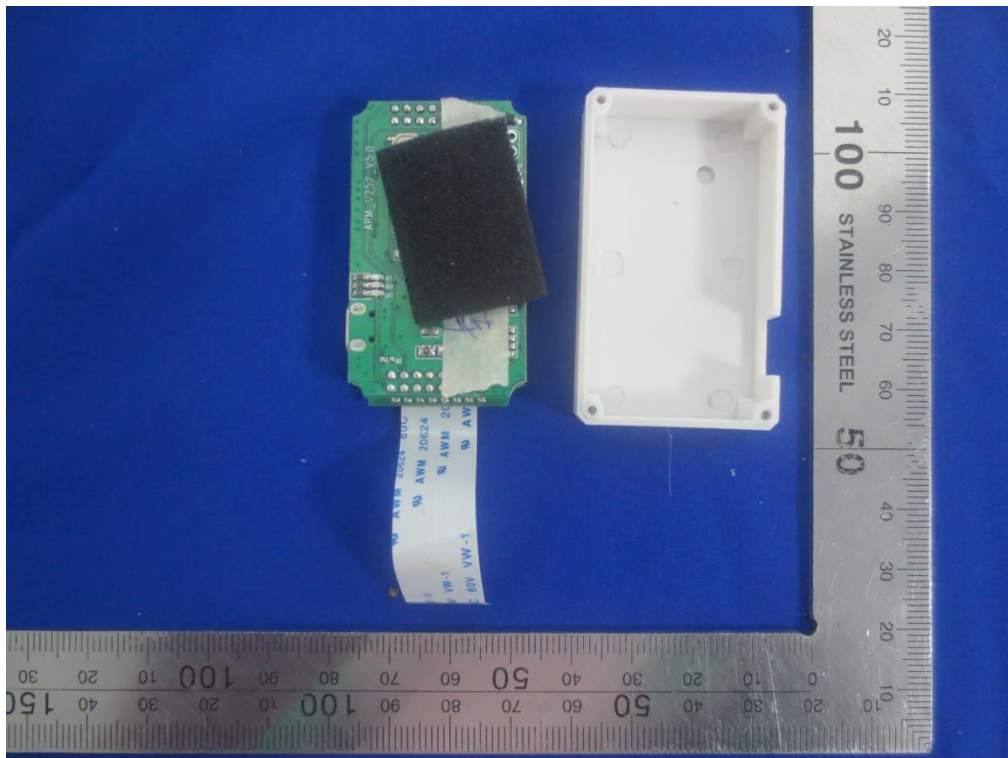
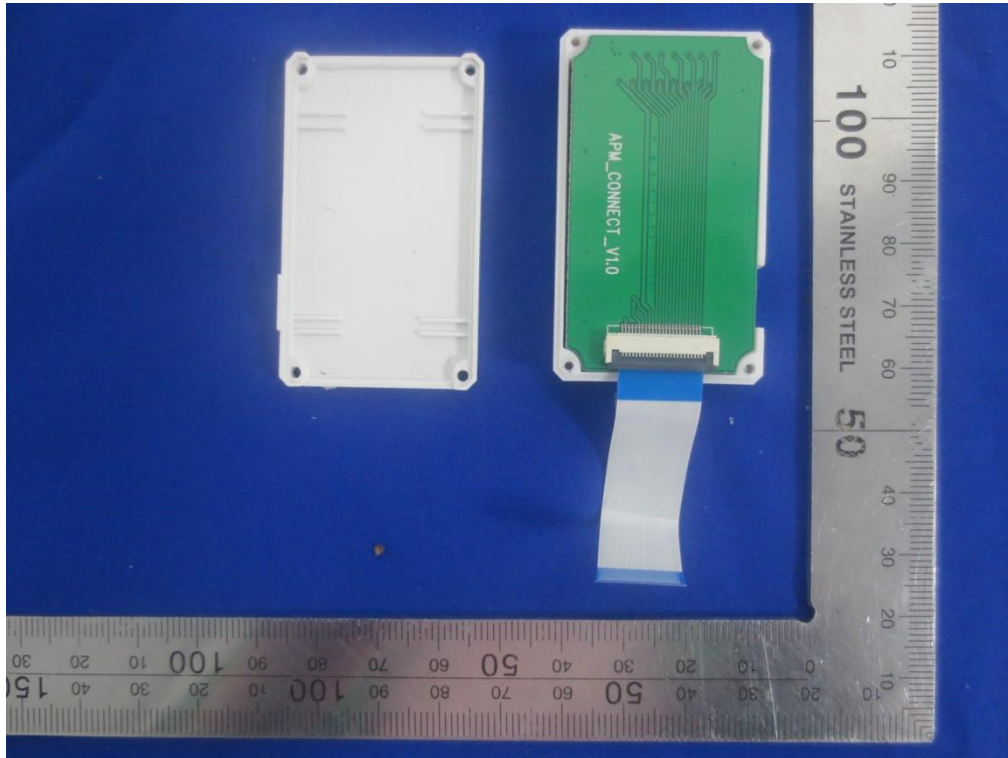


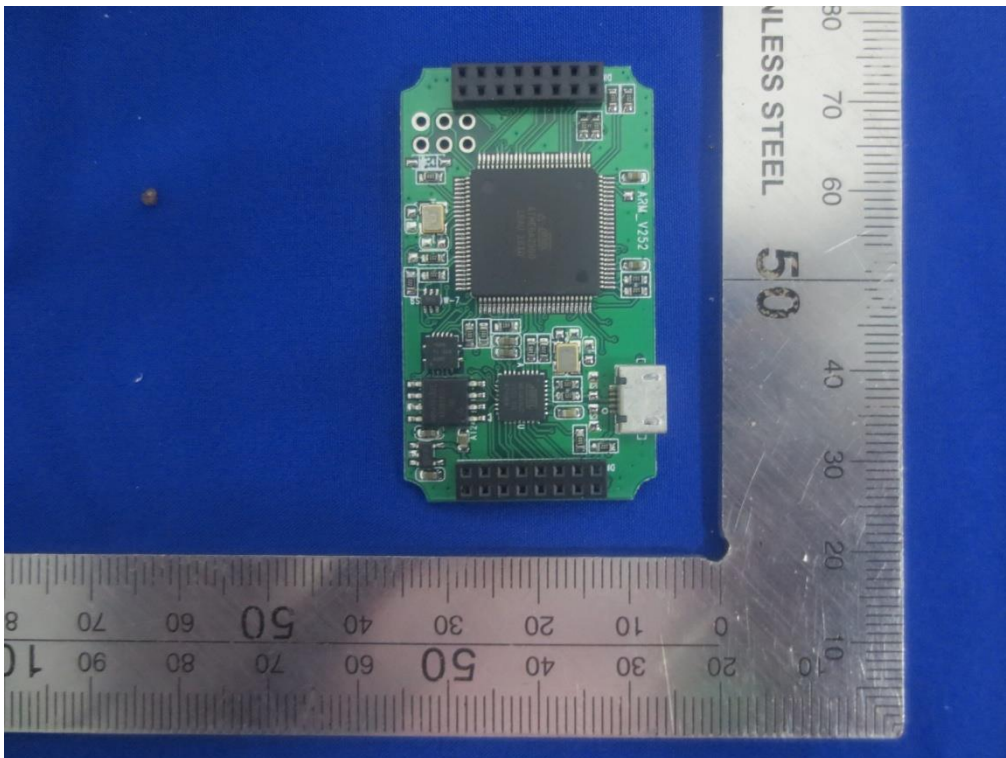
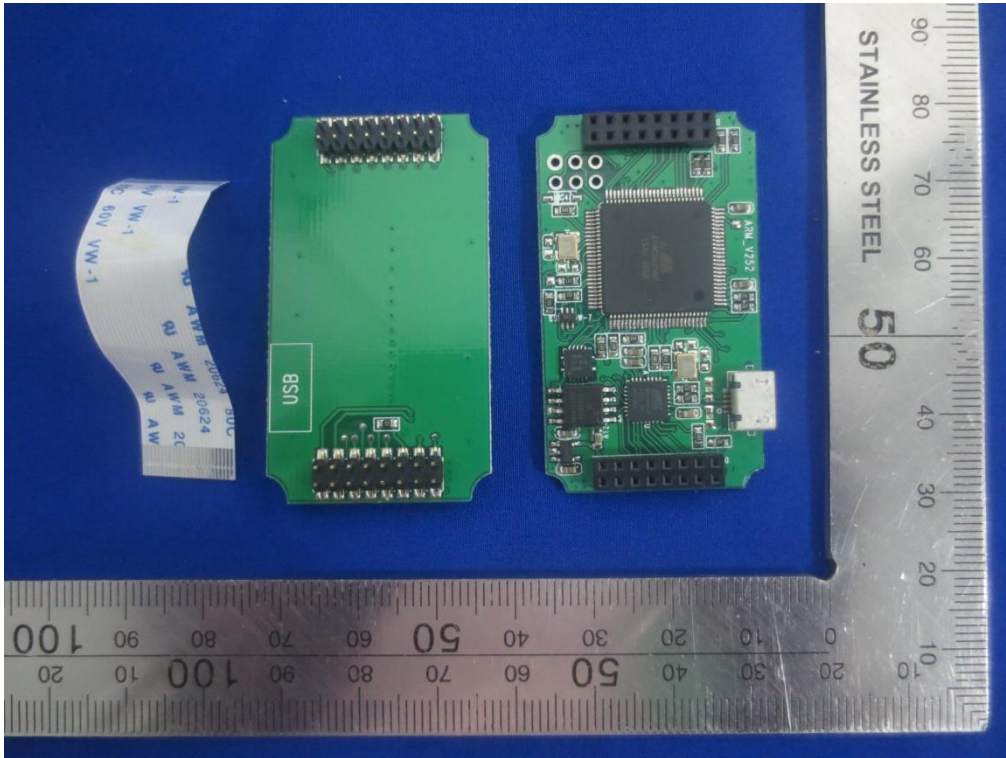


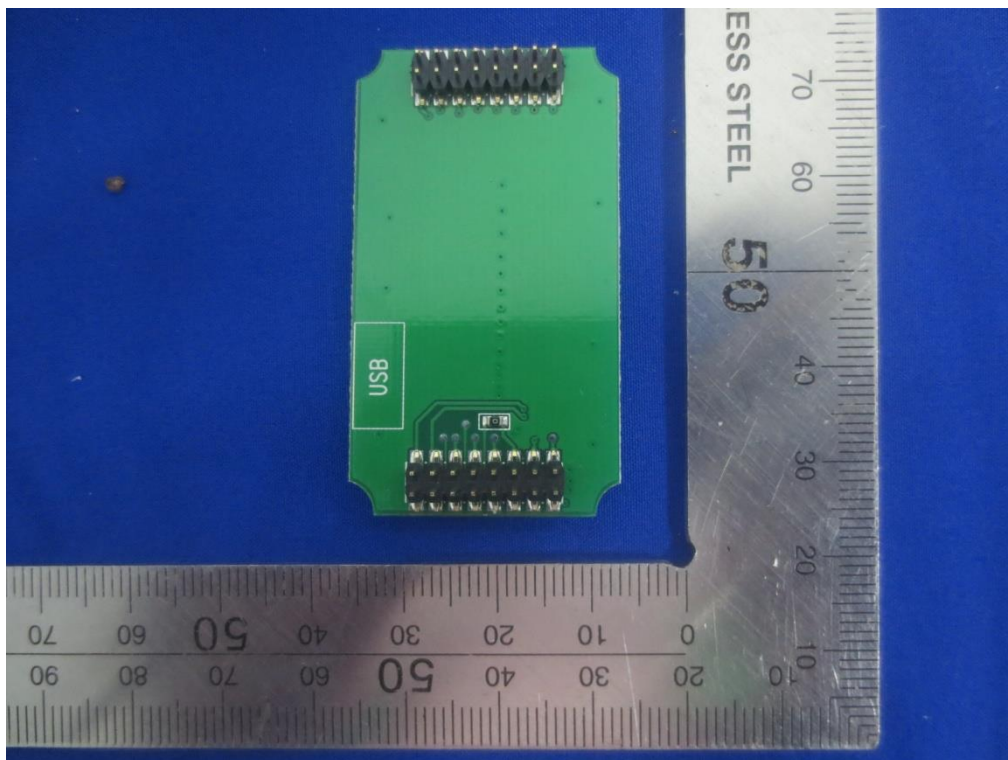
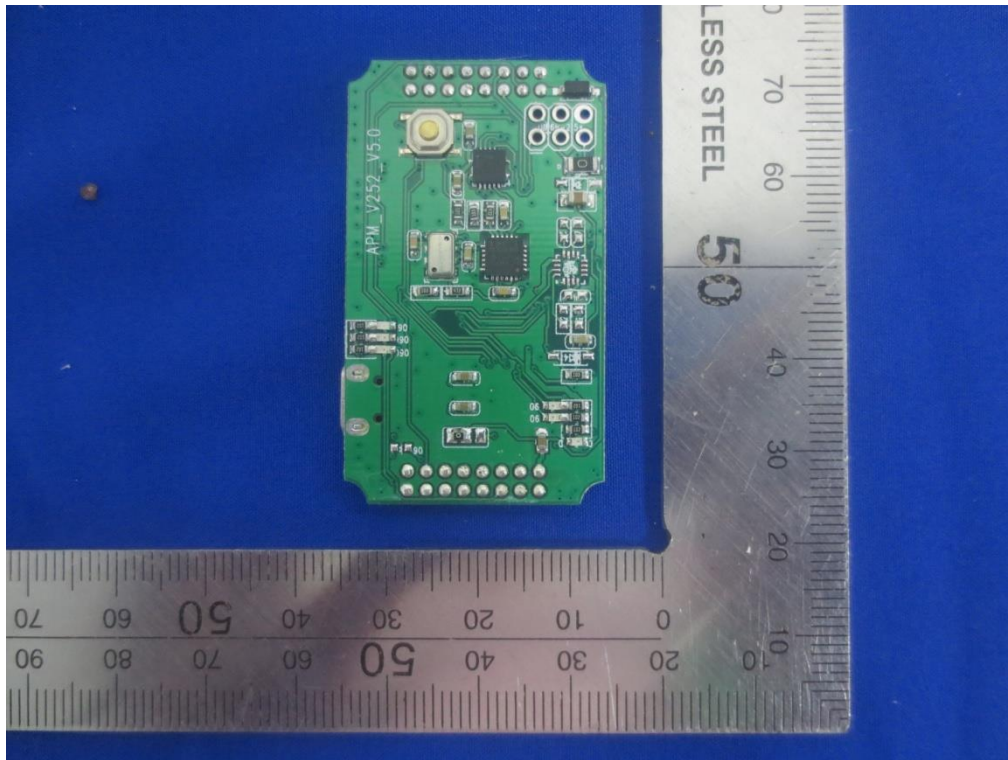


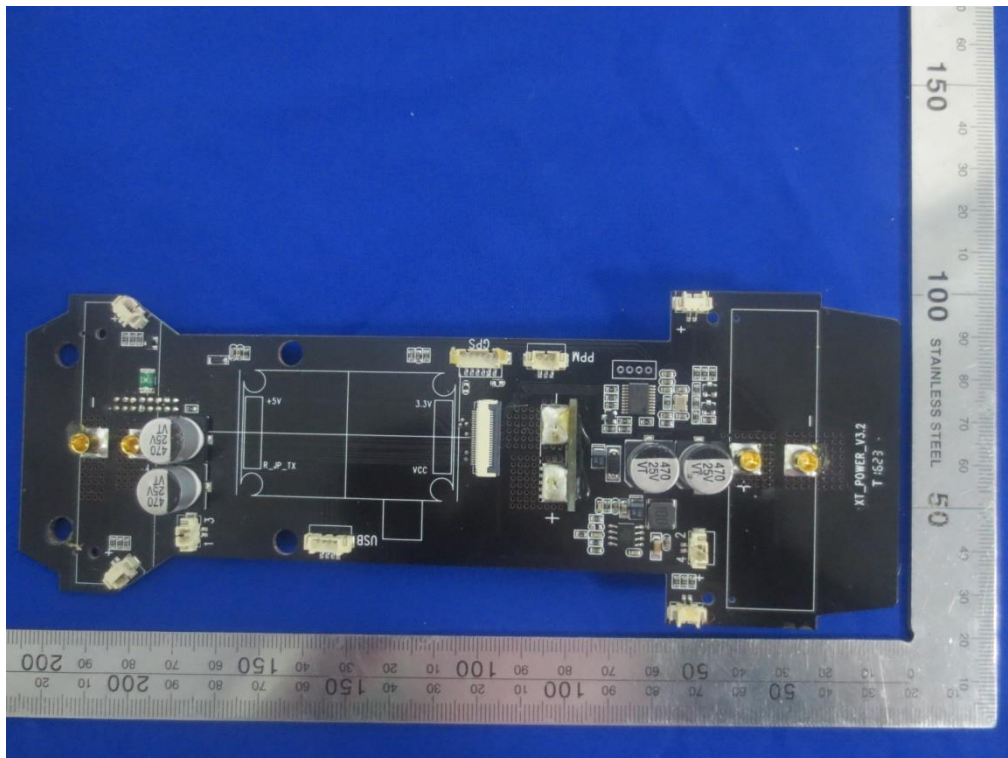
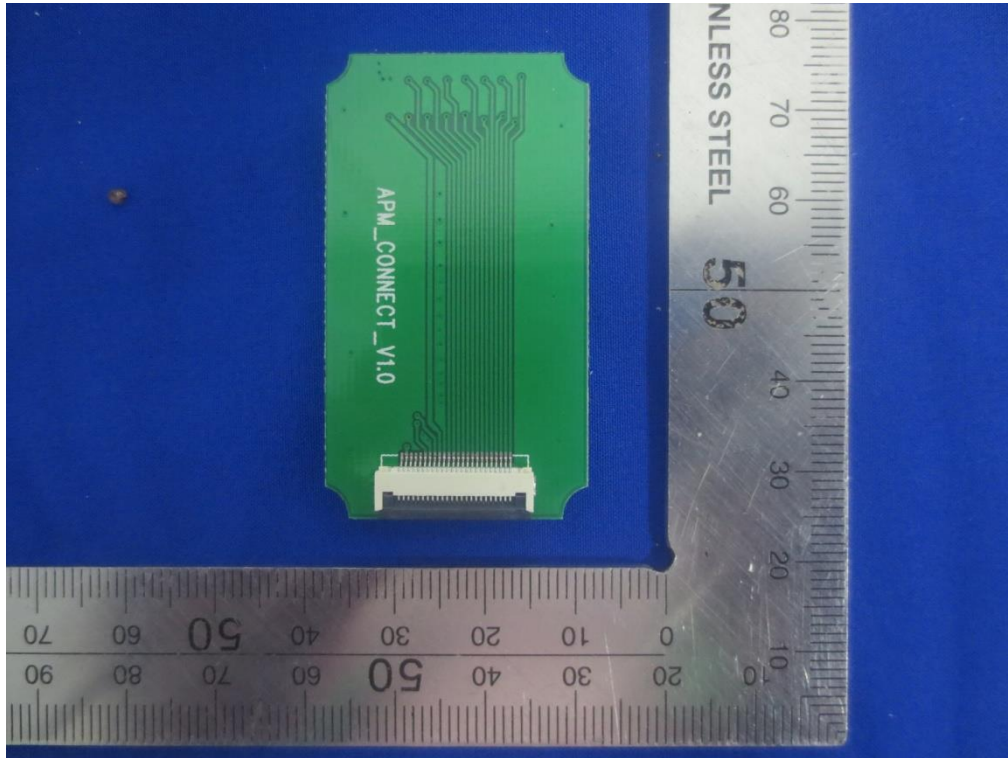


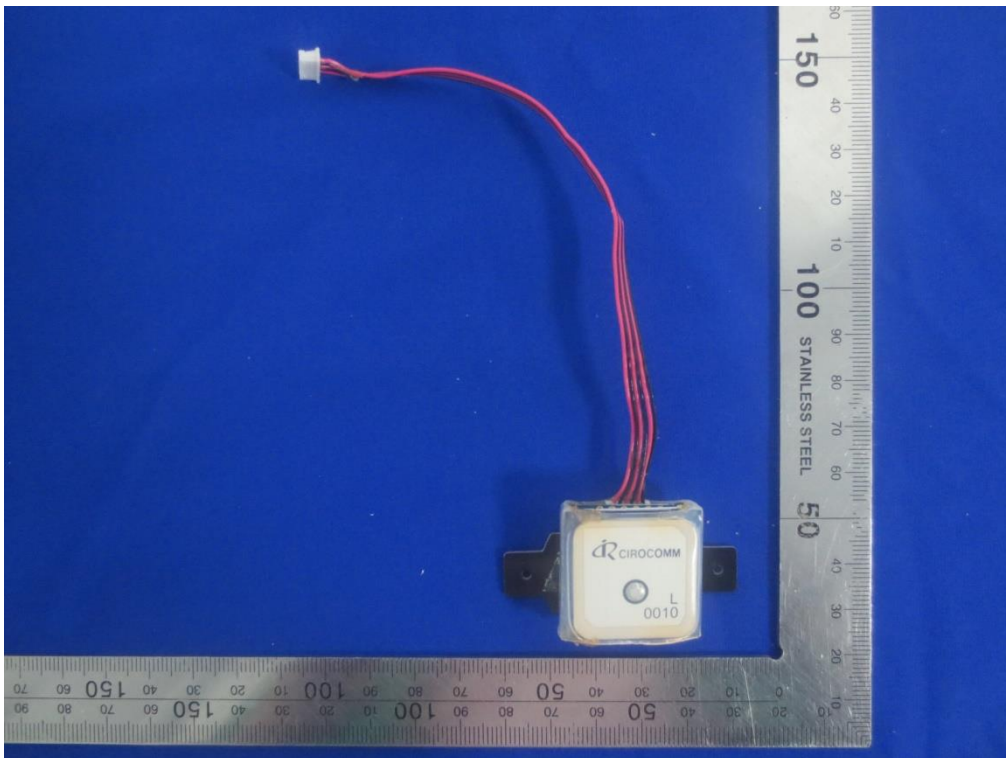
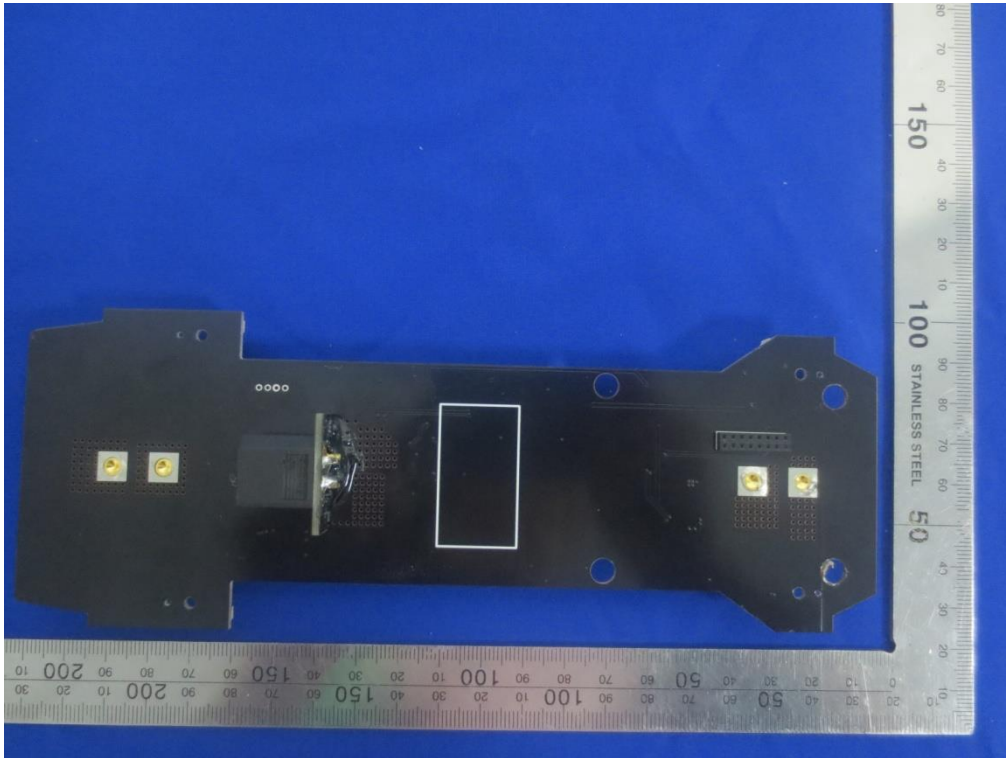


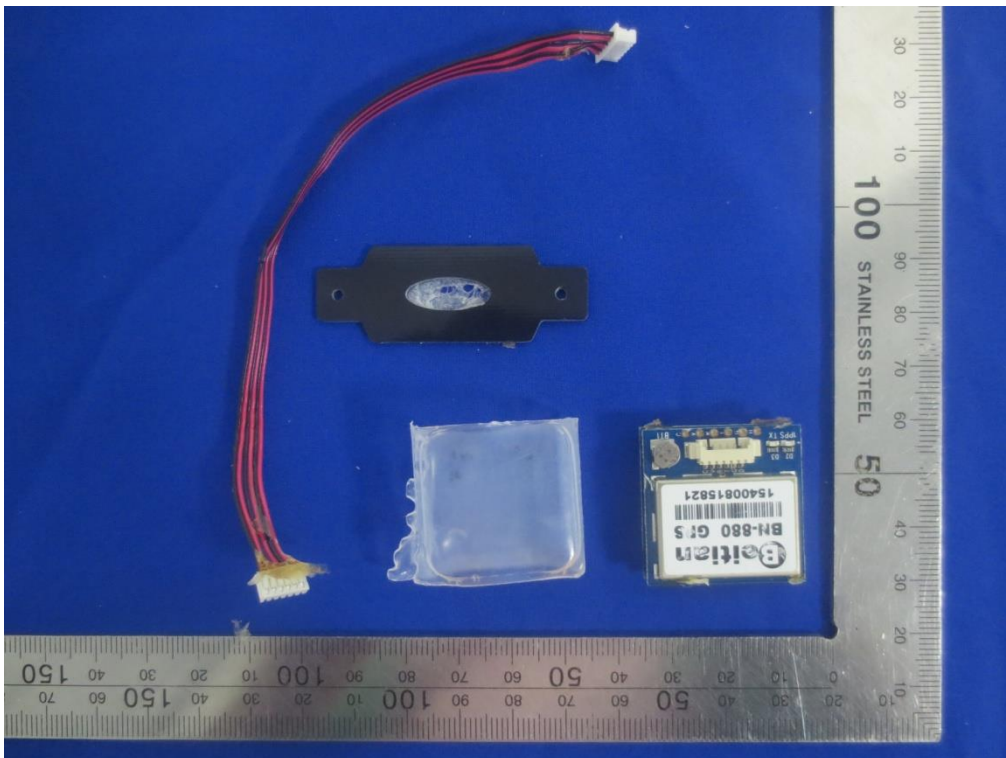
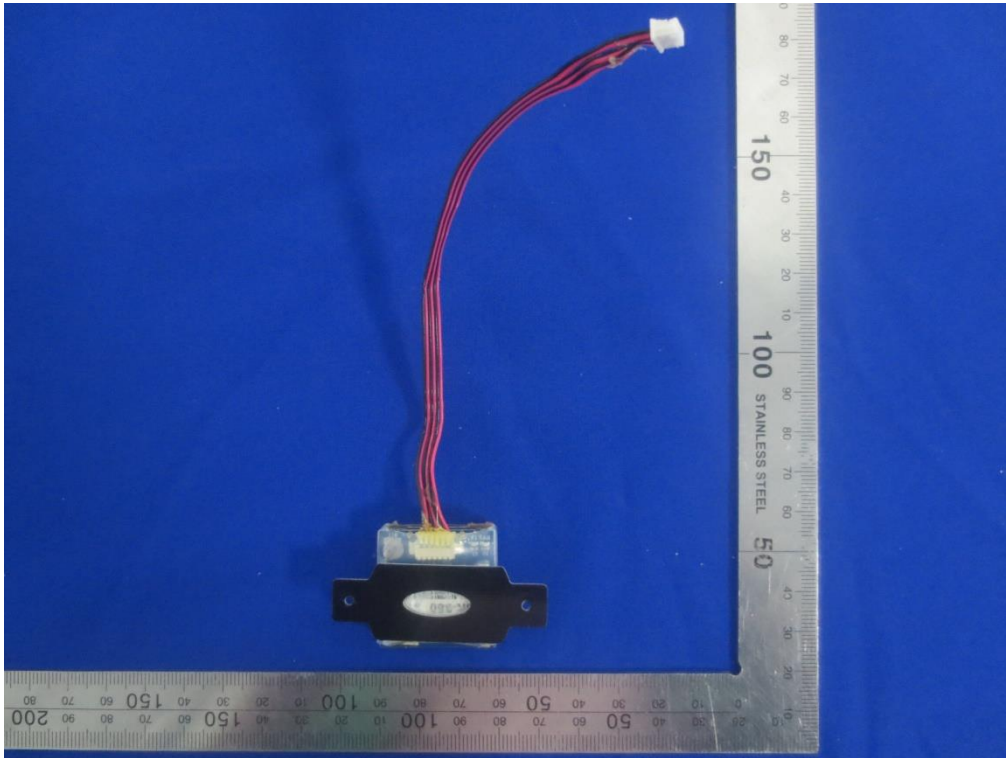


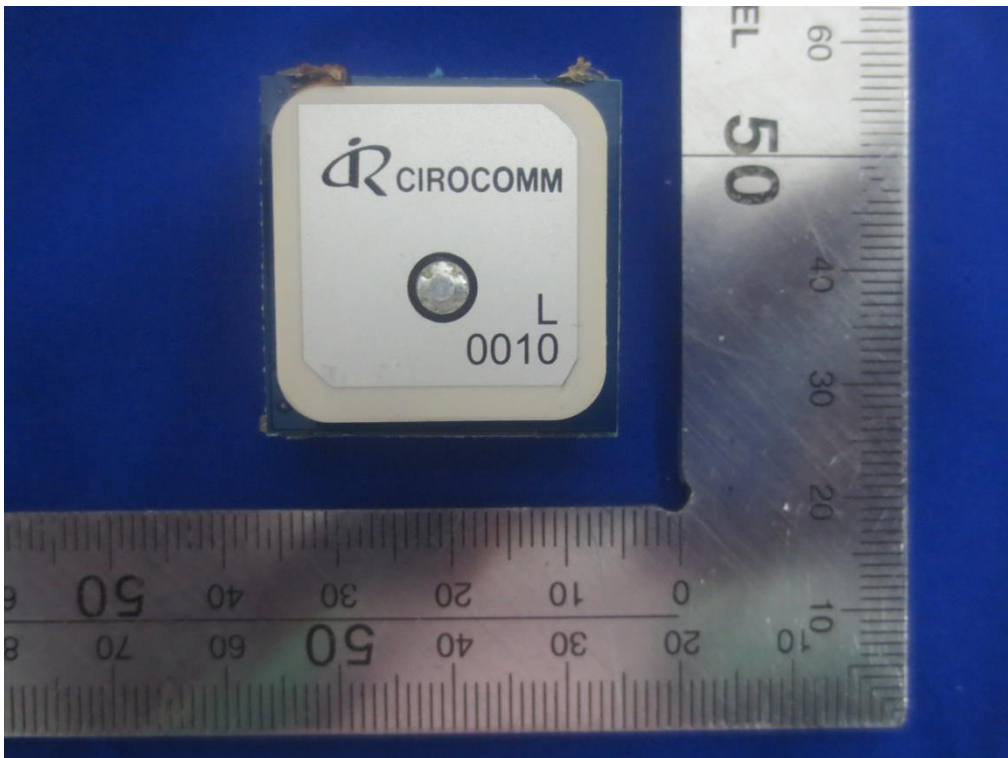
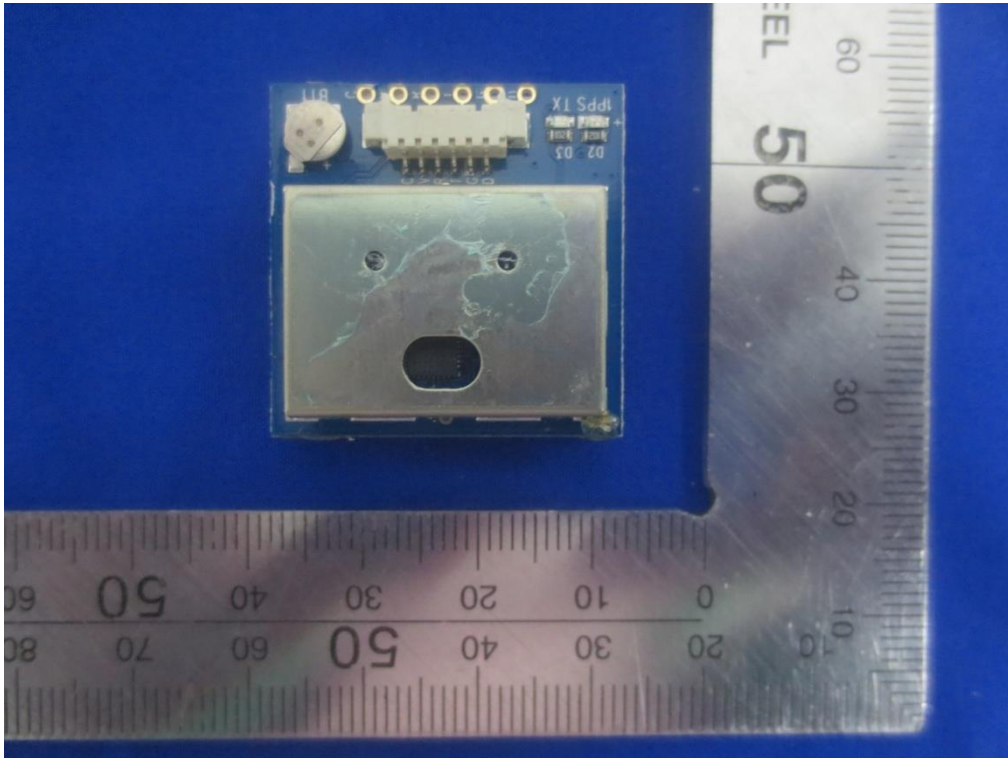


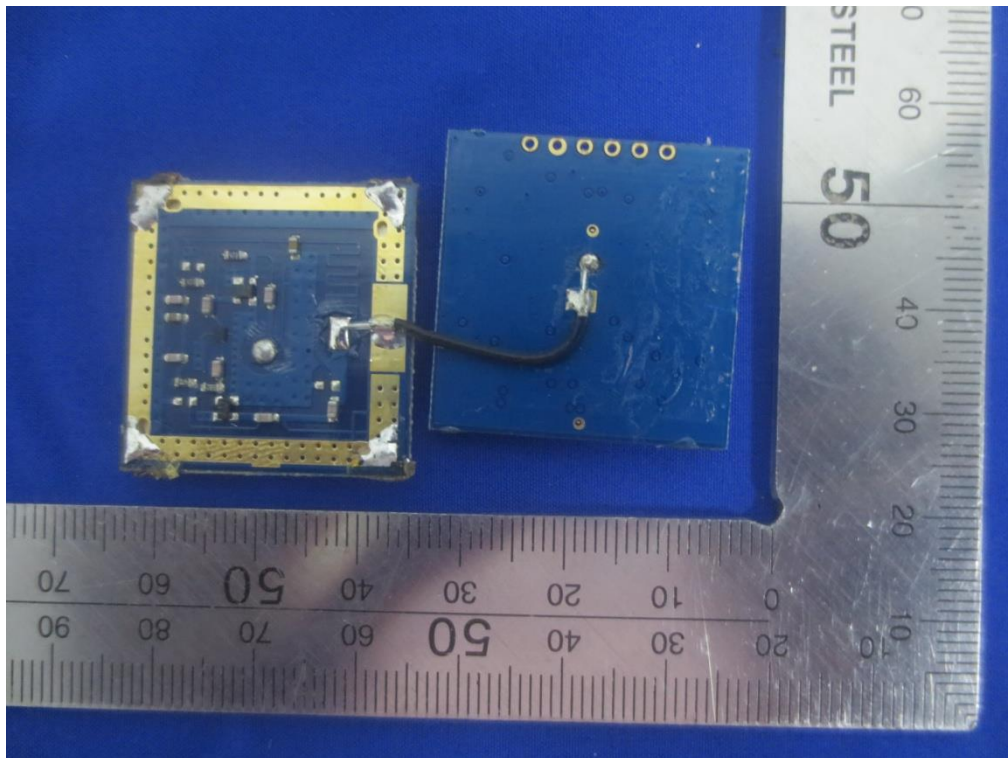
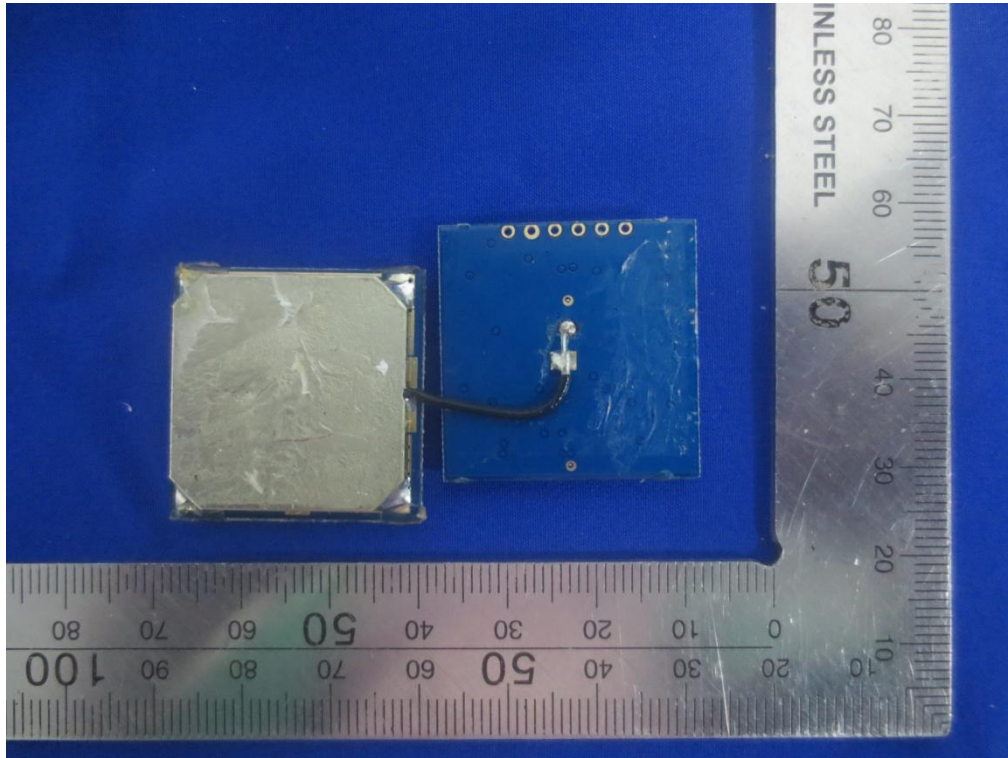


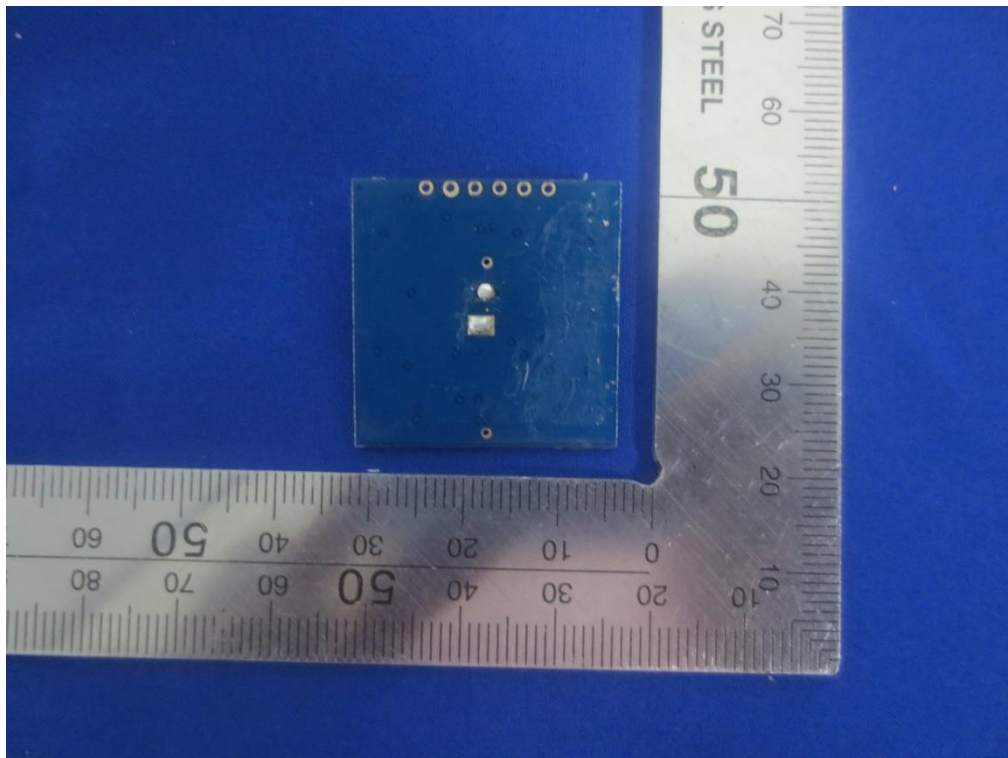
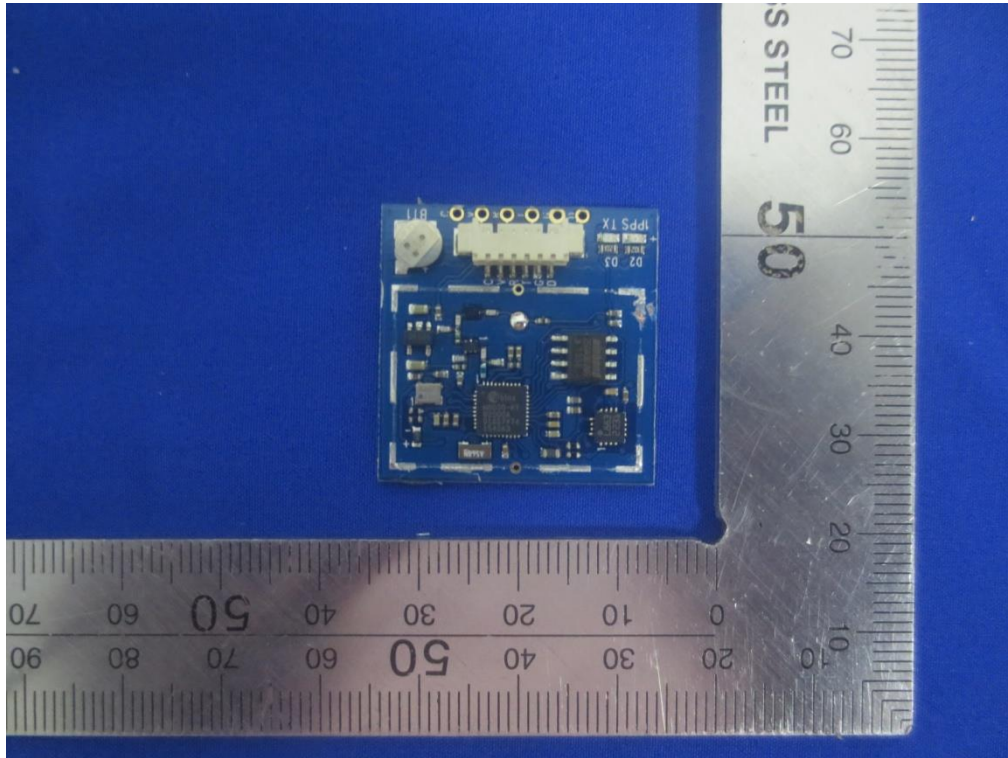


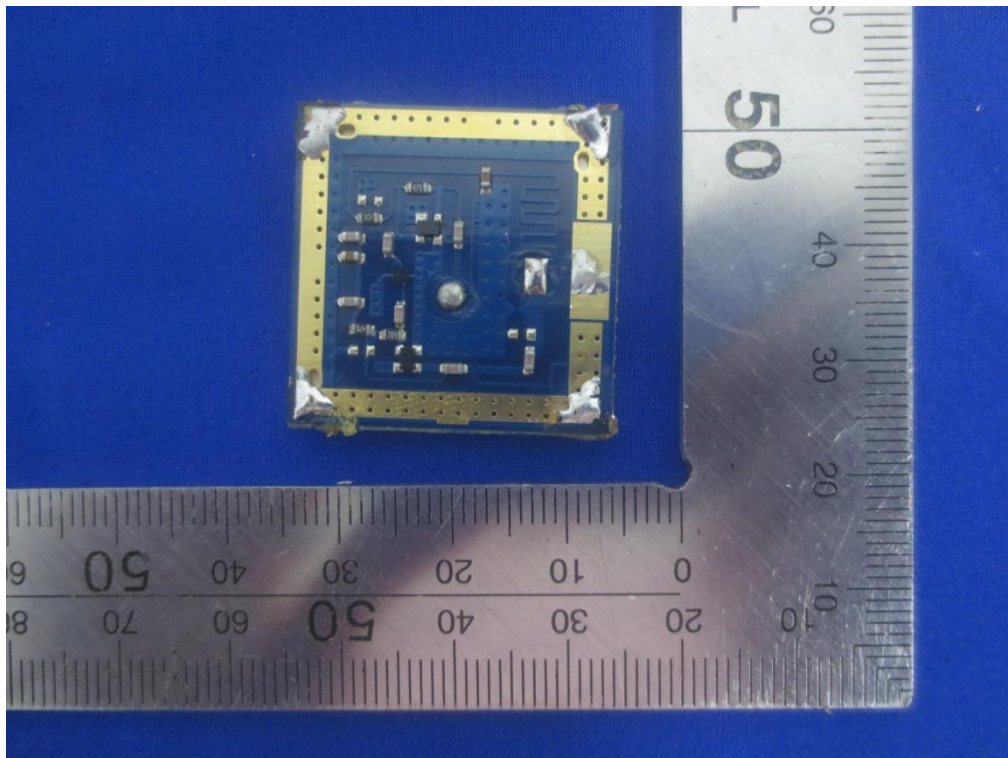
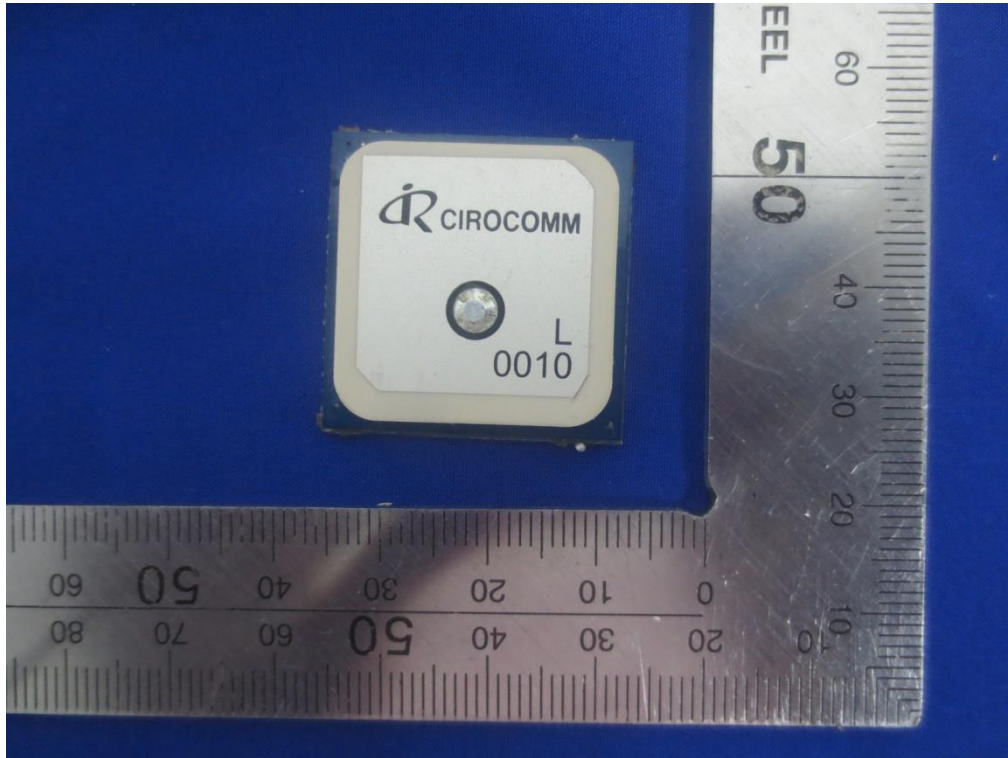


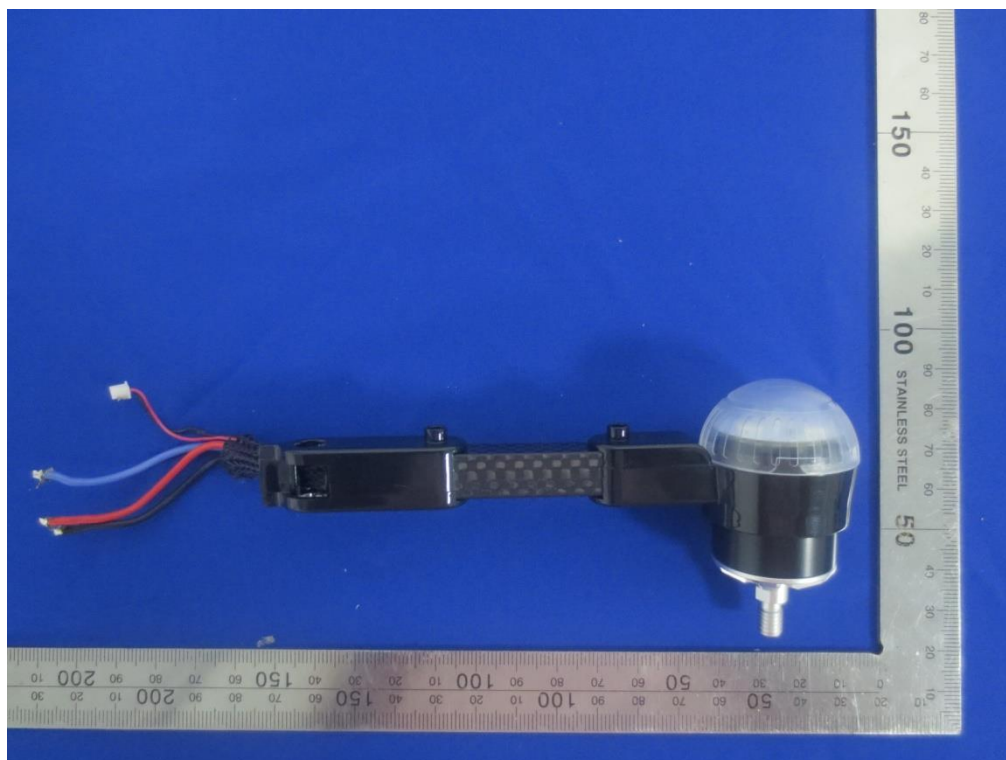


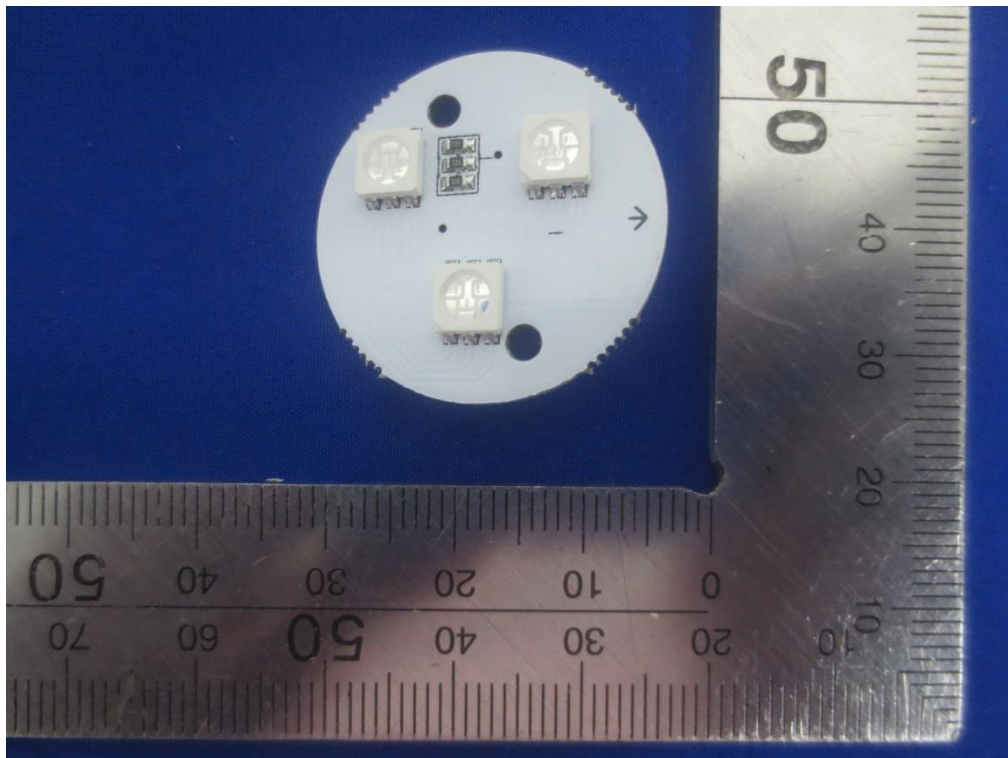
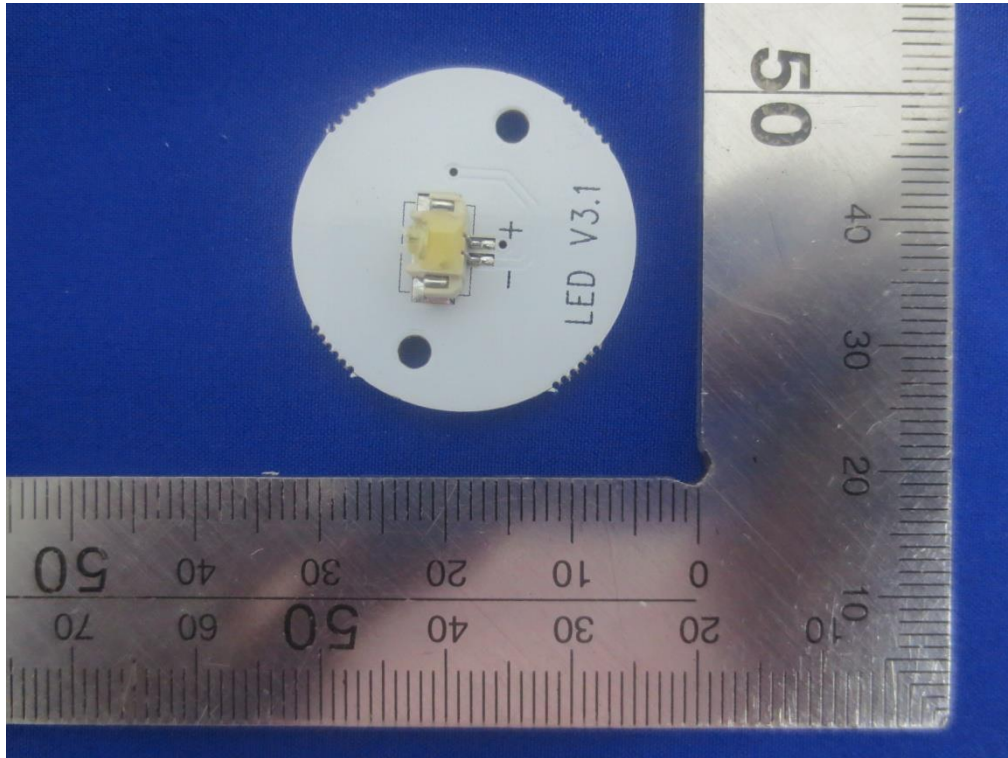












-----End of report-----