FCC Test Report

Report No.: AGC03207190301FE03

FCC ID	:	2ATW8-38R
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Hovercraft Single Kit / Hovercraft School Kit—R
BRAND NAME	:	Strawbees AB
MODEL NAME	:	7350088890721/ 7350088890738-R
APPLICANT	:	Strawbees AB
DATE OF ISSUE	:	Jul. 04, 2019
STANDARD(S) **TEST PROCEDURE(S)**	:	FCC Part 15 Rules
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 04, 2019	Valid	Initial Release

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1. VERIFICATION OF CONFORMITY

Applicant	Strawbees AB
Address	Stenkolsgatan 1B 417 07 Gothenburg Sweden
Manufacturer	EBO PLASTIC & METAL FACTORY
Address	NO. 18-201 JIAN SHE ROAD, SHI MA,TANG SHA TOWN, DONG GUAN CITY, GUANG DONG PROVINCE, CHINA
Product Designation	Hovercraft Single Kit / Hovercraft School Kit—R
Brand Name	Strawbees AB
Test Model	7350088890721/ 7350088890738-R
Date of test	Apr. 19, 2019 to Apr. 30, 2019
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BR/RF

We hereby certify that:
The above equipment was tested by Attestation of Global Compliance (Shenzhen) 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 radiated emission limits of FCC Rules Part 15.249.

Tested By NiNi Guo(Guo Lili) Apr. 30, 2019

Reviewed By Max Zhang(Zhang Yi) Jul. 04, 2019

Approved By Forrest Lei(Lei Yonggang)
Authorized Officer Jul. 04, 2019

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	2.407 GHz to 2.478GHz
Maximum field strength	91.95dBuV/m(Average)@3m
Modulation	GFSK
Number of channels	33
Antenna Gain	0dBi
Antenna Designation	Internal Antenna (Met 15.203 Antenna requirement)
Hardware Version	V3.0
Software Version	V1.0
Power Supply	DC7.4V by Battery

2.2. TABLE OF CARRIER FREQUENCY

Channel Number	Frequency	Channel Number	Frequency	Channel Number	Frequency
1	2407MHz	12	2457MHz	23	2468MHz
2	2414MHz	13	2458MHz	24	2469MHz
3	2428MHz	14	2459MHz	25	2470MHz
4	2436MHz	15	2460MHz	26	2471MHz
5	2443MHz	16	2461MHz	27	2472MHz
6	2451MHz	17	2462MHz	28	2473MHz
7	2452MHz	18	2463MHz	29	2474MHz
8	2453MHz	19	2464MHz	30	2475MHz
9	2454MHz	20	2465MHz	31	2476MHz
10	2455MHz	21	2466MHz	32	2477MHz
11	2456MHz	22	2467MHz	33	2478MHz

3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel GFSK
2	Middle channel GFSK
3	High channel GFSK

Note:
1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

5.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Hovercraft Single Kit / Hovercraft School Kit—R	7350088890721/ 7350088890738-R	2ATW8-38R	EUT

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249&15.209	Radiated Emission	Compliant
§15.249	Band Edges	Compliant
§15.215	20dB bandwidth	Compliant
§15.207	Conducted Emission	N/A

6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun. 12, 2018	Jun. 11, 2019
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 20, 2018	Dec. 19, 2019
2.4GHz Fliter	EM Electronics	2400-2500MHz	N/A	Feb. 27, 2019	Feb. 26, 2020
Attenuator	ZHINAN	E-002	N/A	Aug. 28, 2018	Aug. 27, 2019
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 21, 2017	Sep. 20, 2020
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Jun. 14, 2018	Jun. 13, 2020
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 26, 2018	May. 25, 2020
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Oct. 25, 2018	Oct. 24, 2019
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 28, 2017	Sep. 27, 2019

7. RADIATED EMISSION

7.1TEST LIMIT

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark: (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

7.2. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use minimum resolution bandwidth of 1 MHz. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

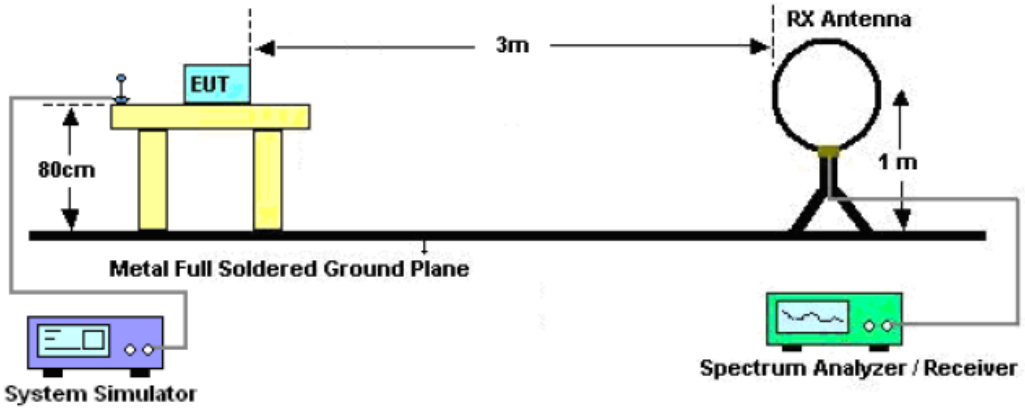
The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz RBW 1.5MHz/ VBW 5MHz for Peak, RBW 1.5MHz/1kHz for Average

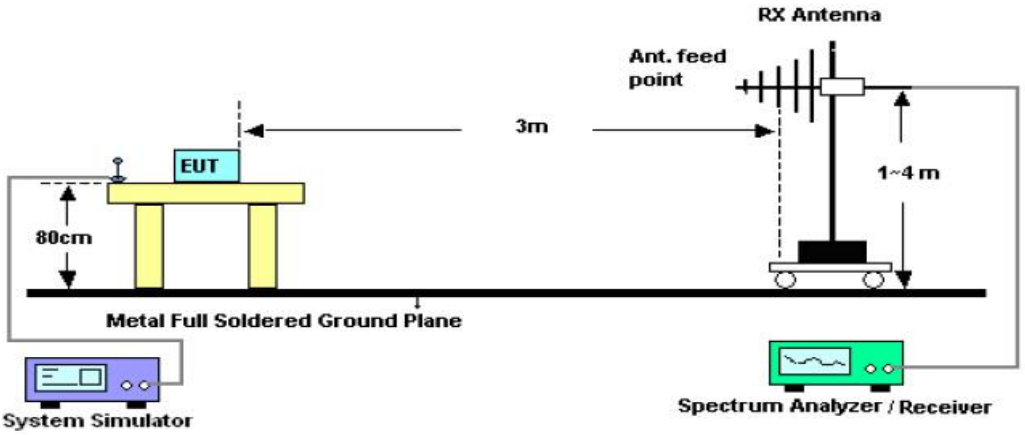
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

7.3. TEST SETUP

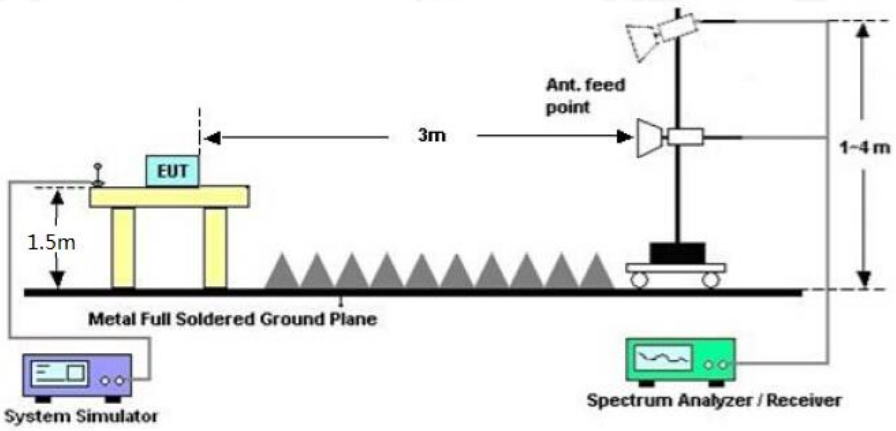
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



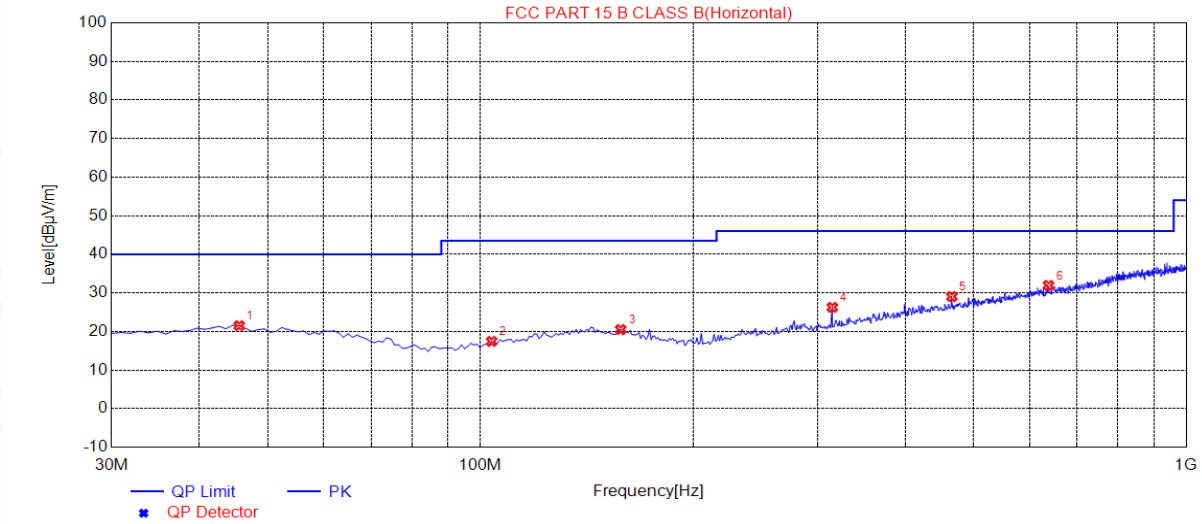
7.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

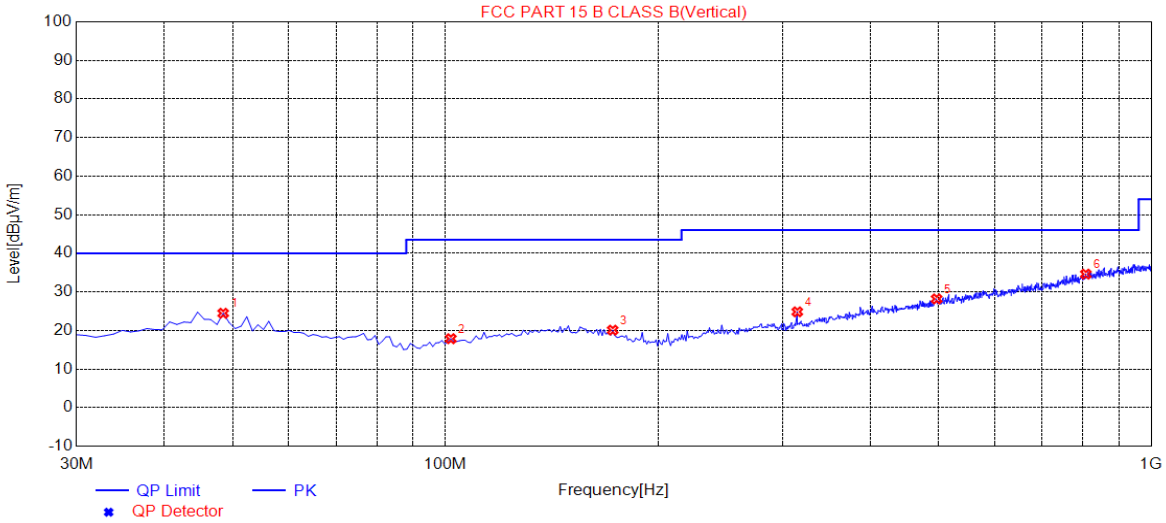
RADIATED EMISSION 30MHz- 1GHZ

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.5200	21.49	14.80	40.00	18.51	200	10	Horizontal
2	103.7200	17.42	11.76	43.50	26.08	150	350	Horizontal
3	158.0400	20.50	14.93	43.50	23.00	150	180	Horizontal
4	315.1800	26.24	16.48	46.00	19.76	200	150	Horizontal
5	465.5300	29.04	21.32	46.00	16.96	150	130	Horizontal
6	638.1900	31.94	24.93	46.00	14.06	150	40	Horizontal

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.4300	24.46	14.71	40.00	15.54	150	70	Vertical
2	101.7800	17.86	11.56	43.50	25.64	100	160	Vertical
3	172.5900	20.08	13.70	43.50	23.42	200	110	Vertical
4	315.1800	24.83	16.48	46.00	21.17	100	10	Vertical
5	496.5700	28.17	22.09	46.00	17.83	200	70	Vertical
6	807.9400	34.60	28.60	46.00	11.40	100	310	Vertical

RESULT: PASS

Note:

Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

The mode 1 is the worst case, and only the data of the worst case recorded in this test report.

FIELD STRENGTH OF FUNDAMENTAL

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Modulation ：	GFSK	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2407.031	112.29	-9.61	102.68	114.00	-11.32	peak
2407.031	100.86	-9.61	91.25	94.00	-2.75	AVG
2442.031	111.65	-9.61	102.04	114.00	-11.96	peak
2442.031	100.85	-9.61	91.24	94.00	-2.76	AVG
2478.031	112.95	-9.61	103.34	114.00	-10.66	peak
2478.031	101.56	-9.61	91.95	94.00	-2.05	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Modulation ：	GFSK	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2407.031	110.19	-9.61	100.58	114.00	-13.42	peak
2407.031	98.82	-9.61	89.21	94.00	-4.79	AVG
2442.031	110.66	-9.61	101.05	114.00	-12.95	peak
2442.031	99.91	-9.61	90.30	94.00	-3.70	AVG
2478.031	111.99	-9.61	102.38	114.00	-11.62	peak
2478.031	100.76	-9.61	91.15	94.00	-2.85	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4814.062	52.16	3.76	55.92	74.00	-18.08	peak
4814.062	40.25	3.76	44.01	54.00	-9.99	AVG
7221.093	53.96	8.17	62.13	74.00	-11.87	peak
7221.093	41.87	8.17	50.04	54.00	-3.96	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4814.062	51.95	3.76	55.71	74.00	-18.29	peak
4814.062	39.68	3.76	43.44	54.00	-10.56	AVG
7221.093	54.09	8.17	62.26	74.00	-11.74	peak
7221.093	42.19	8.17	50.36	54.00	-3.64	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 2	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4884.062	52.91	3.76	56.67	74.00	-17.33	peak
4884.062	40.26	3.76	44.02	54.00	-9.98	AVG
7326.093	51.93	8.17	60.10	74.00	-13.90	peak
7326.093	39.06	8.17	47.23	54.00	-6.77	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 2	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4884.062	52.19	3.76	55.95	74.00	-18.05	peak
4884.062	40.11	3.76	43.87	54.00	-10.13	AVG
7326.093	50.16	8.17	58.33	74.00	-15.67	peak
7326.093	39.17	8.17	47.34	54.00	-6.66	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 3	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.062	51.97	3.81	55.78	74.00	-18.22	peak
4956.062	39.16	3.81	42.97	54.00	-11.03	AVG
7434.093	50.99	8.27	59.26	74.00	-14.74	peak
7434.093	38.26	8.27	46.53	54.00	-7.47	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 3	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.062	52.18	3.81	55.99	74.00	-18.01	peak
4956.062	40.26	3.81	44.07	54.00	-9.93	AVG
7434.093	51.92	8.27	60.19	74.00	-13.81	peak
7434.093	39.64	8.27	47.91	54.00	-6.09	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Note: Other emissions from 8G to 25 GHz are considered as ambient noise. No recording in the test report.
Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.
The “Factor” value can be calculated automatically by software of measurement system.
The GFSK modulation was the worst case and only the data of worst recorded in this report.

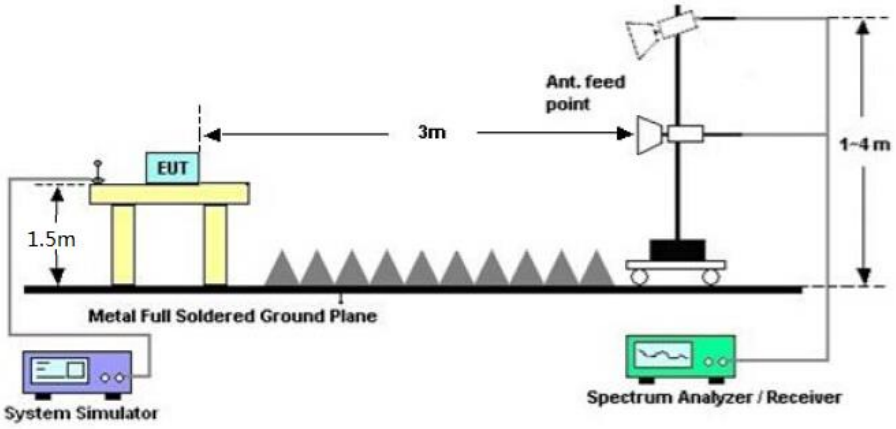
8. BAND EDGE EMISSION

8.1. MEASUREMENT PROCEDURE

1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=1MHz, VBW=3MHz / Sweep=AUTO
(b) AVERAGE: RBW=1MHz ; VBW=1/on time(1KHz) / Sweep=AUTO
3. Other procedures refer to clause 7.2.

8.2 TEST SETUP

RADIATED EMISSION TEST SETUP



8.3 RADIATED TEST RESULT

Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level
2. The factor had been edited in the “Input Correction” of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μV) to represent the Amplitude. Use the F dB(μV/m) to represent the Field Strength. So A=F.

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Horizontal

Peak Value

Average Value

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 1	Polarization：	Vertical

Peak Value

Average Value

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 3	Polarization：	Horizontal

Peak Value

Average Value

EUT：	Hovercraft Single Kit / Hovercraft School Kit—R	Model Name. ：	7350088890721/ 7350088890738-R
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC7.4V
Test Mode ：	Mode 3	Polarization：	Vertical

Peak Value

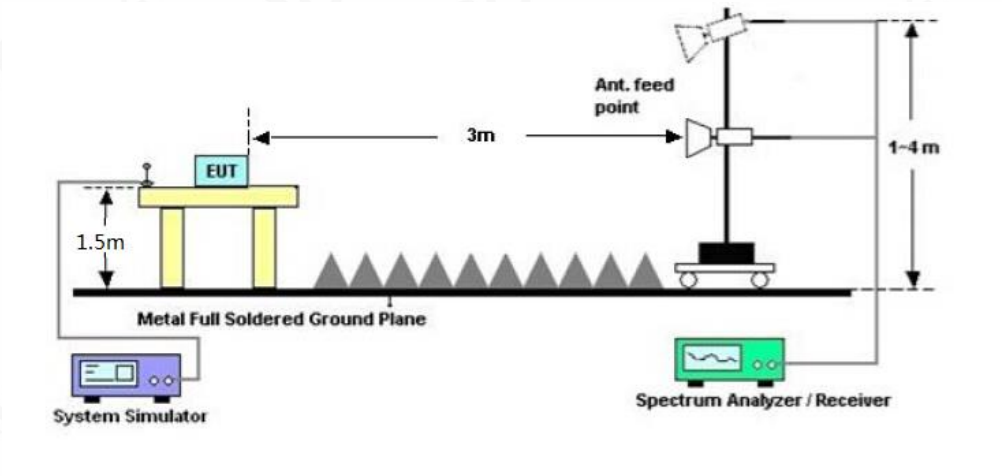
Average Value

9. 20DB BANDWIDTH

9.1. MEASUREMENT PROCEDURE

1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
2. Set SPA Centre Frequency = Operation Frequency, RBW= 30 KHz, VBW≥3×RBW.
3. Set SPA Trace 1 Max hold, then View.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

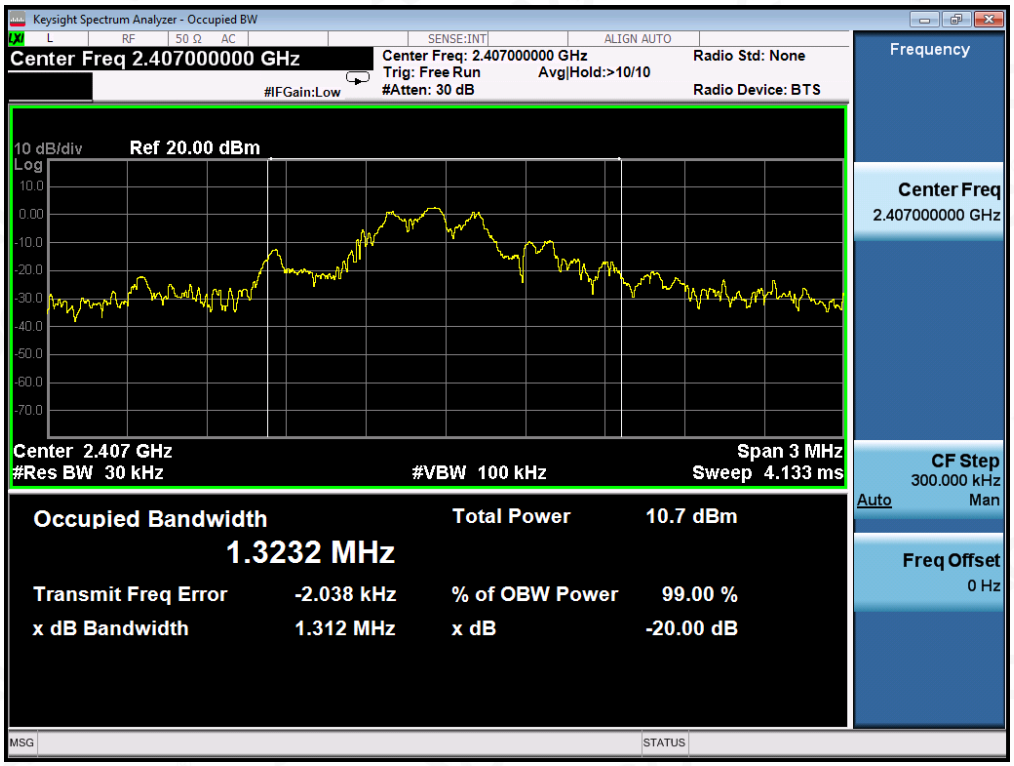


9.3. MEASUREMENT RESULTS

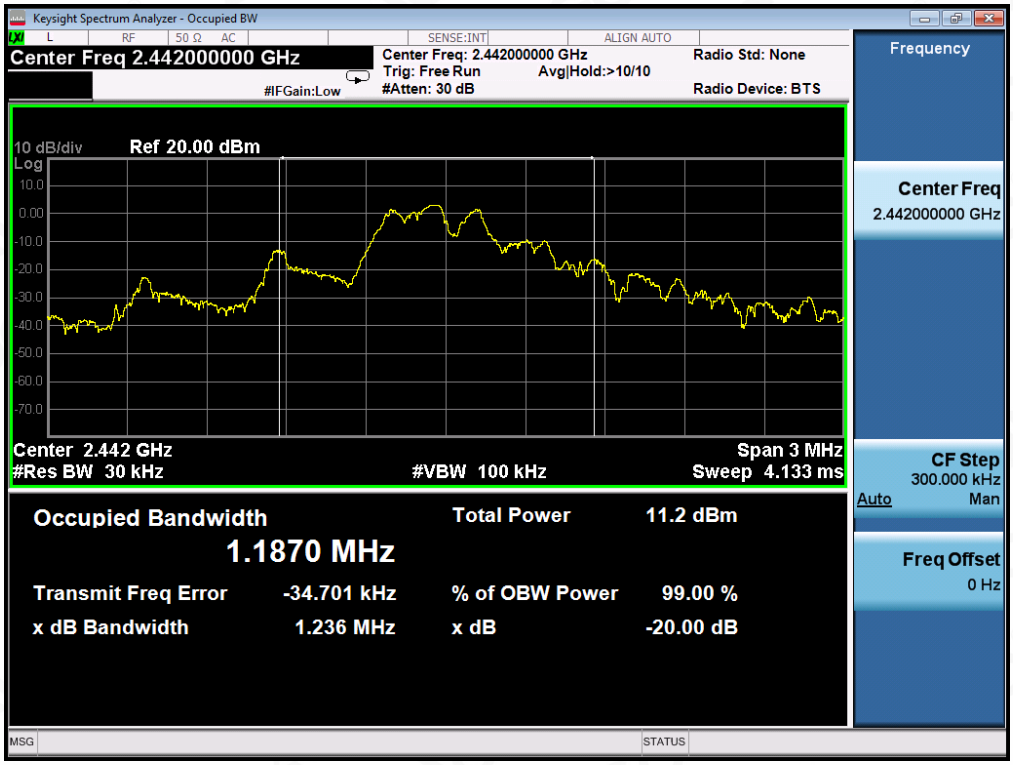
TEST ITEM	20DB BANDWIDTH
TEST MODULATION	GFSK

Test Data (MHz)		Criteria
Low Channel	1.312	PASS
Middle Channel	1.236	PASS
High Channel	0.5417	PASS

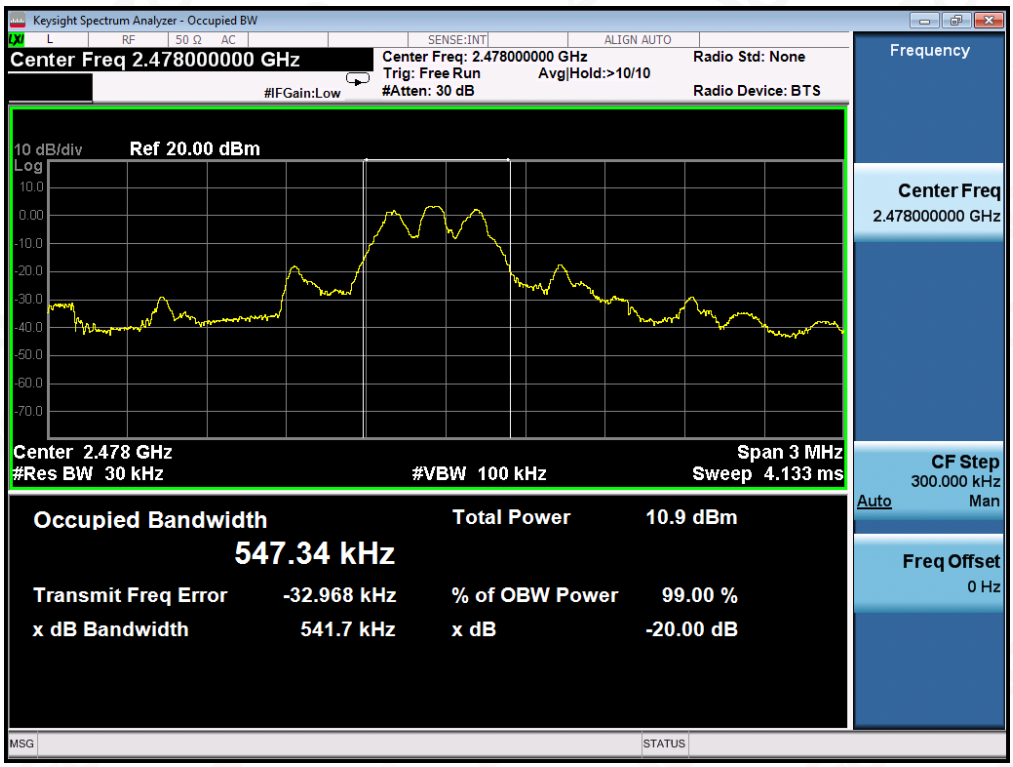
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

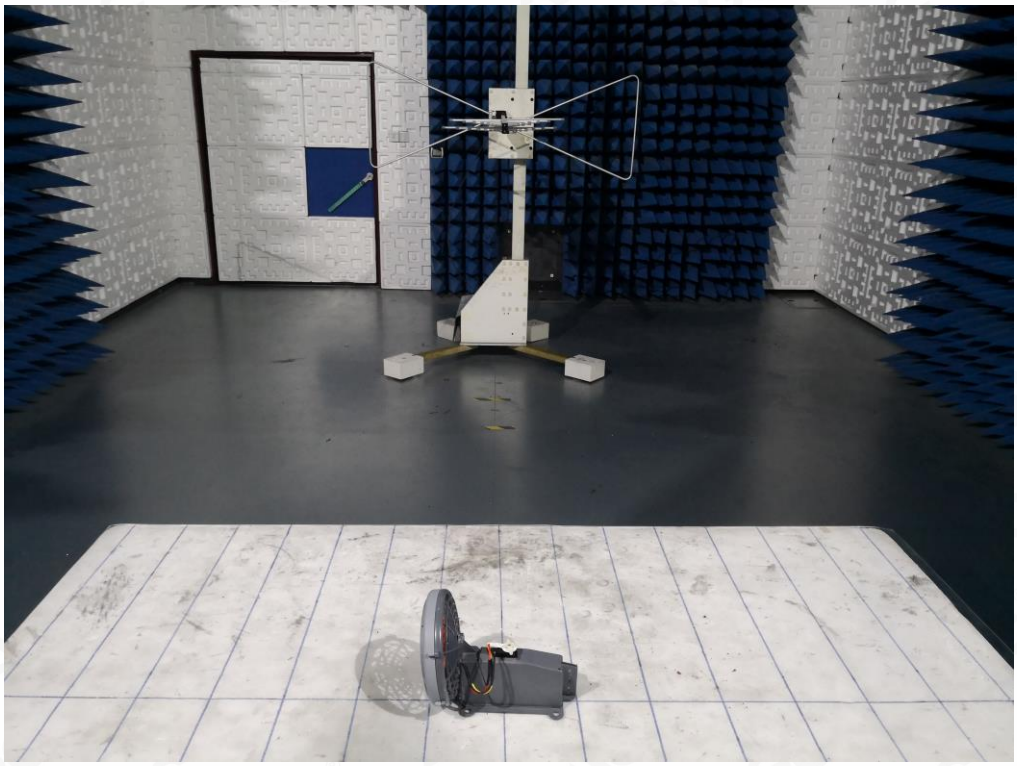


TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

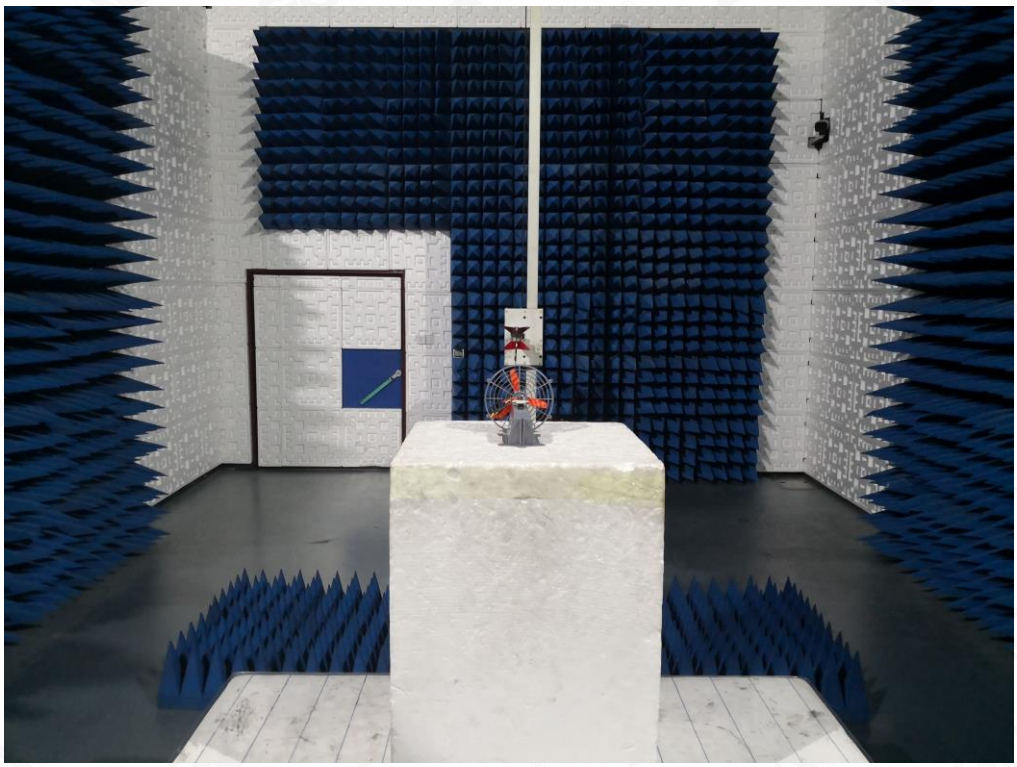


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



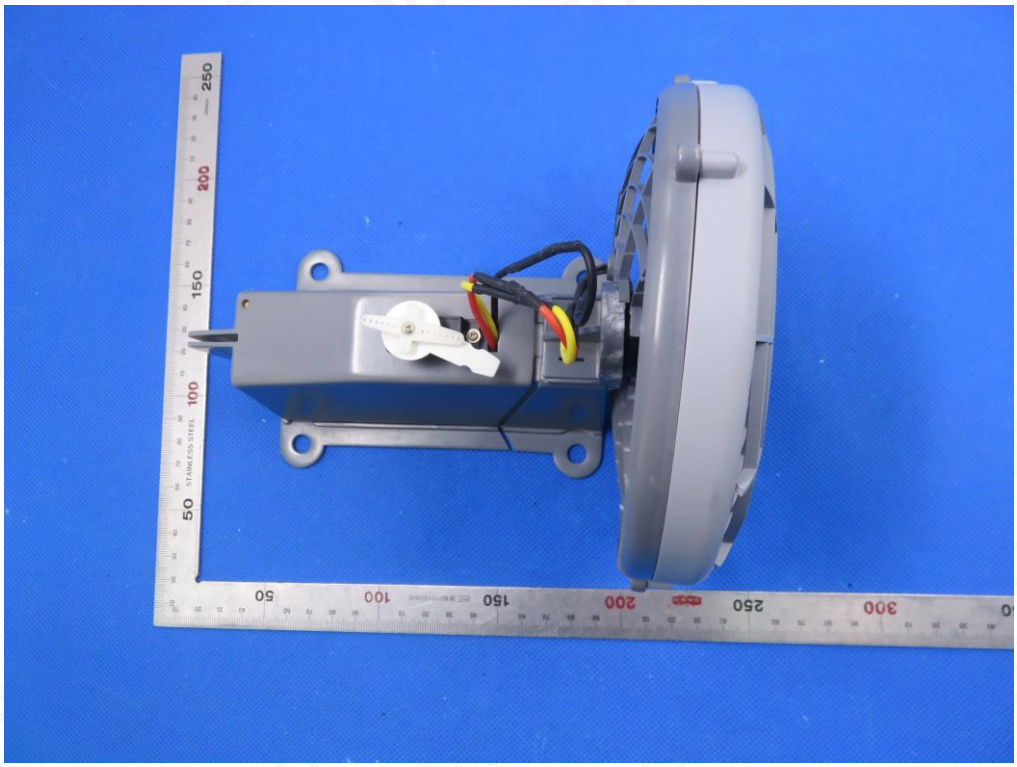
FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ



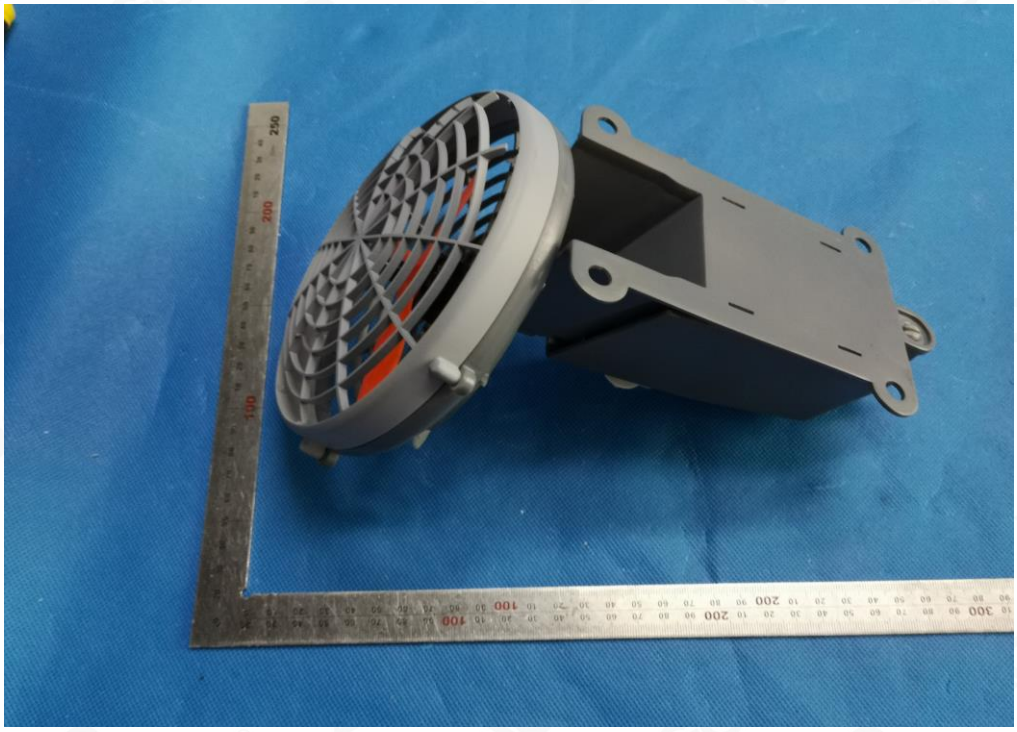
APPENDIX B: PHOTOGRAPHS OF THE EUT

ALL VIEW OF EUT

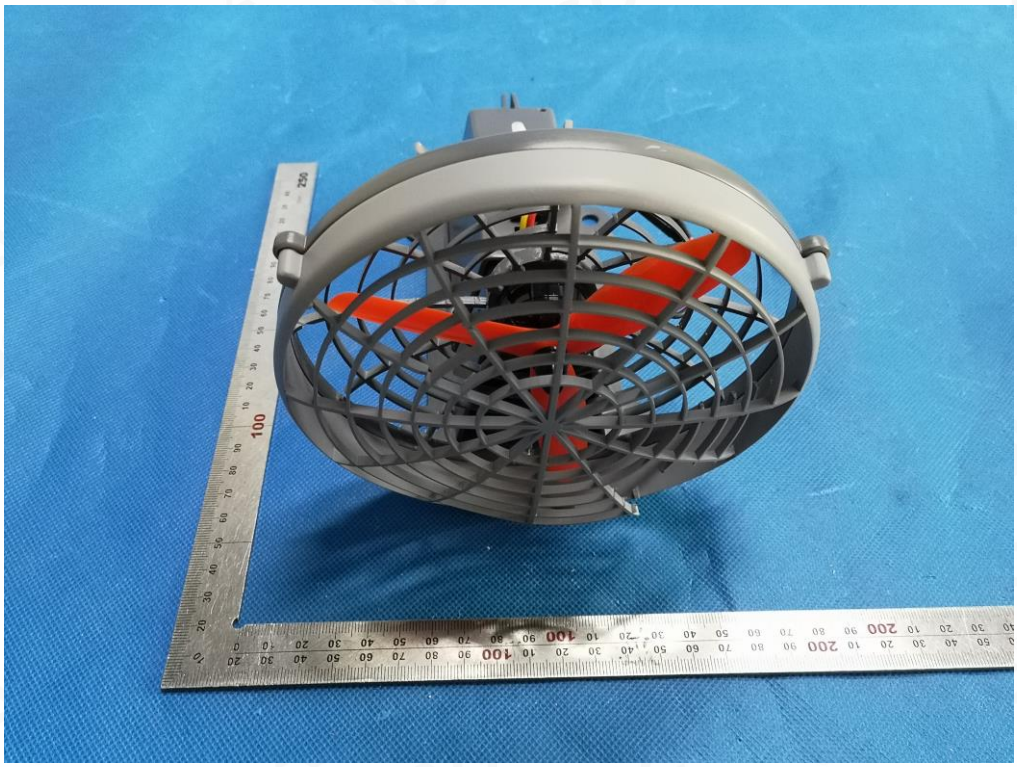
TOP VIEW OF EUT



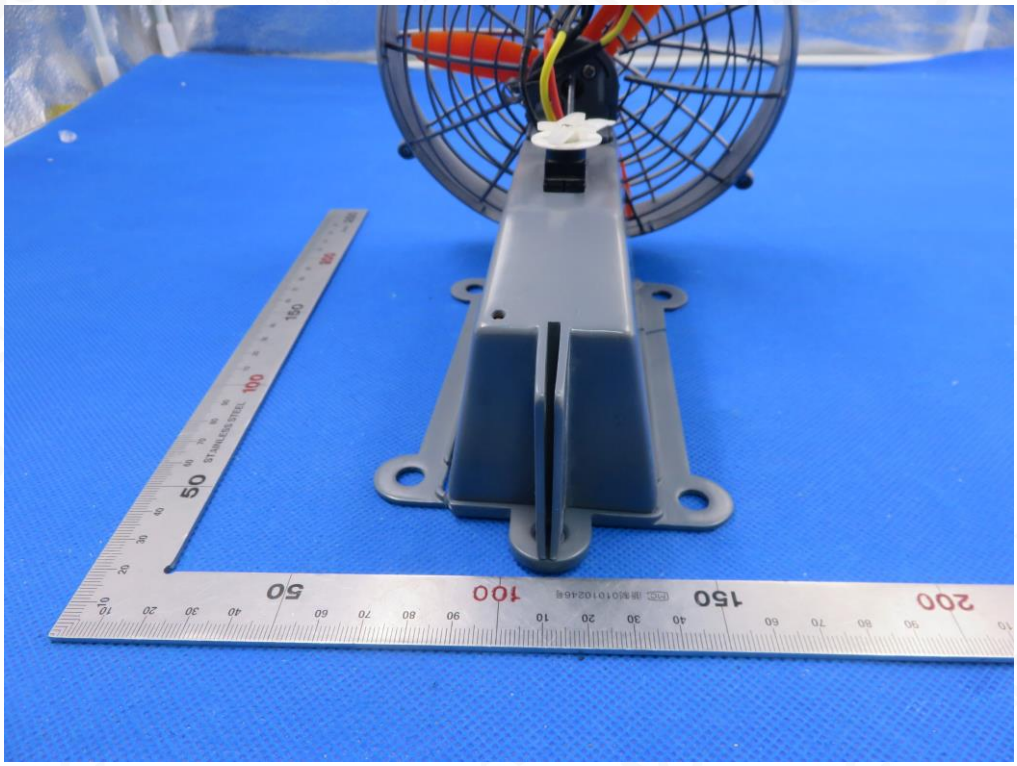
BOTTOM VIEW OF EUT



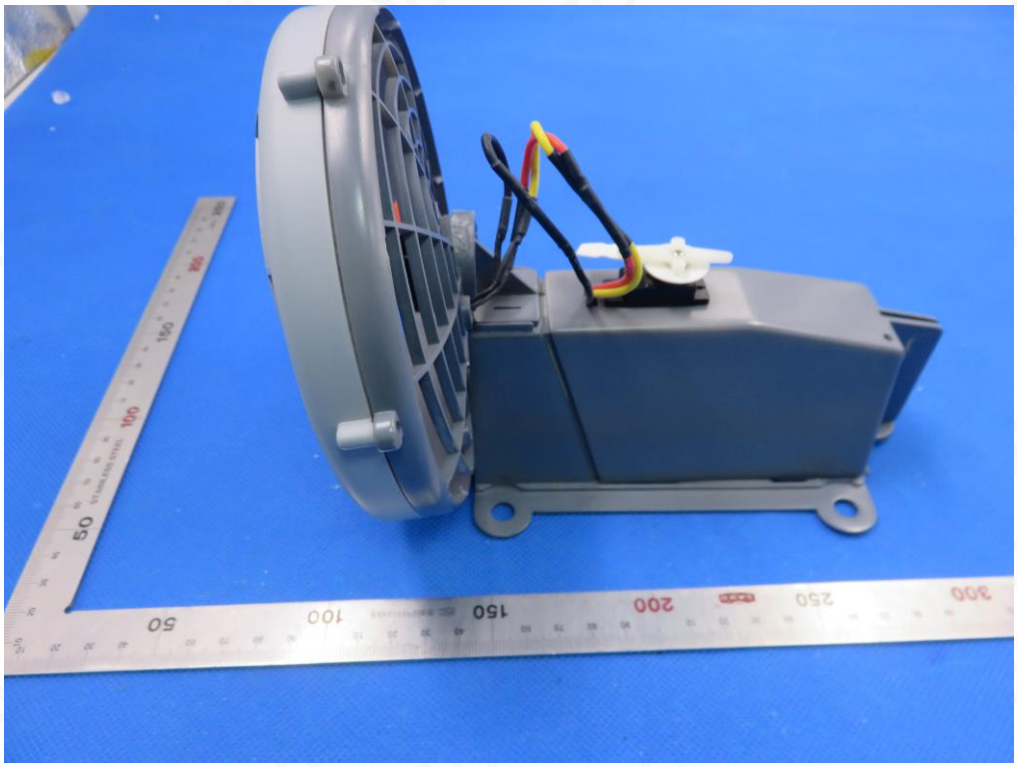
FRONT VIEW OF EUT



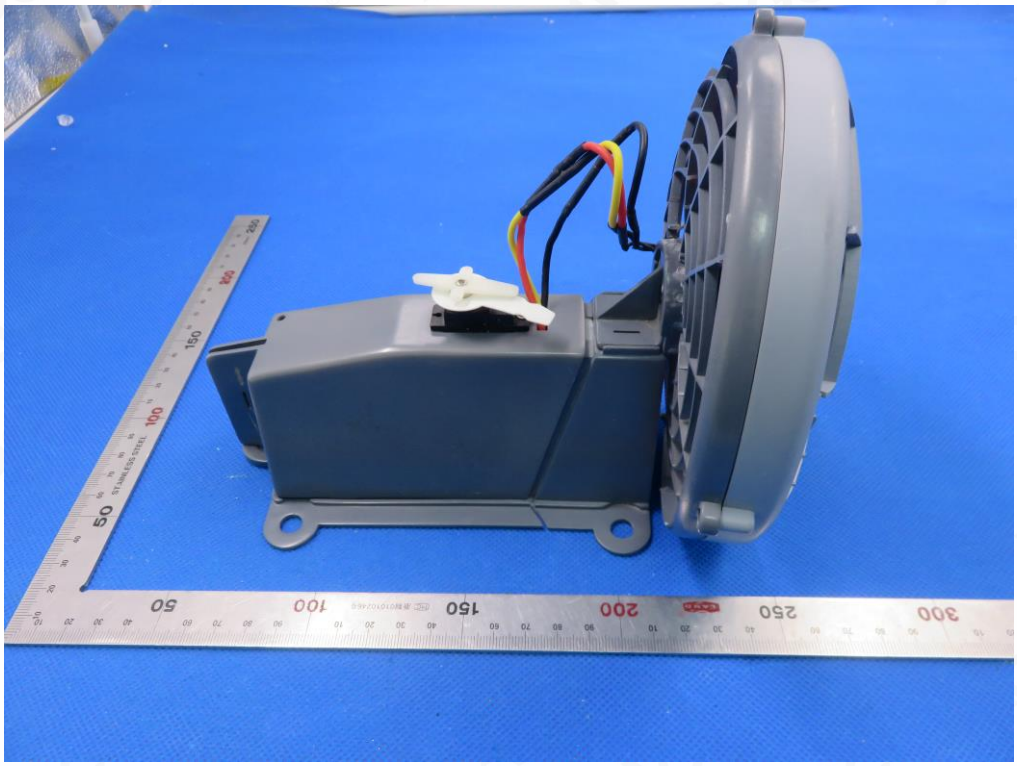
BACK VIEW OF EUT



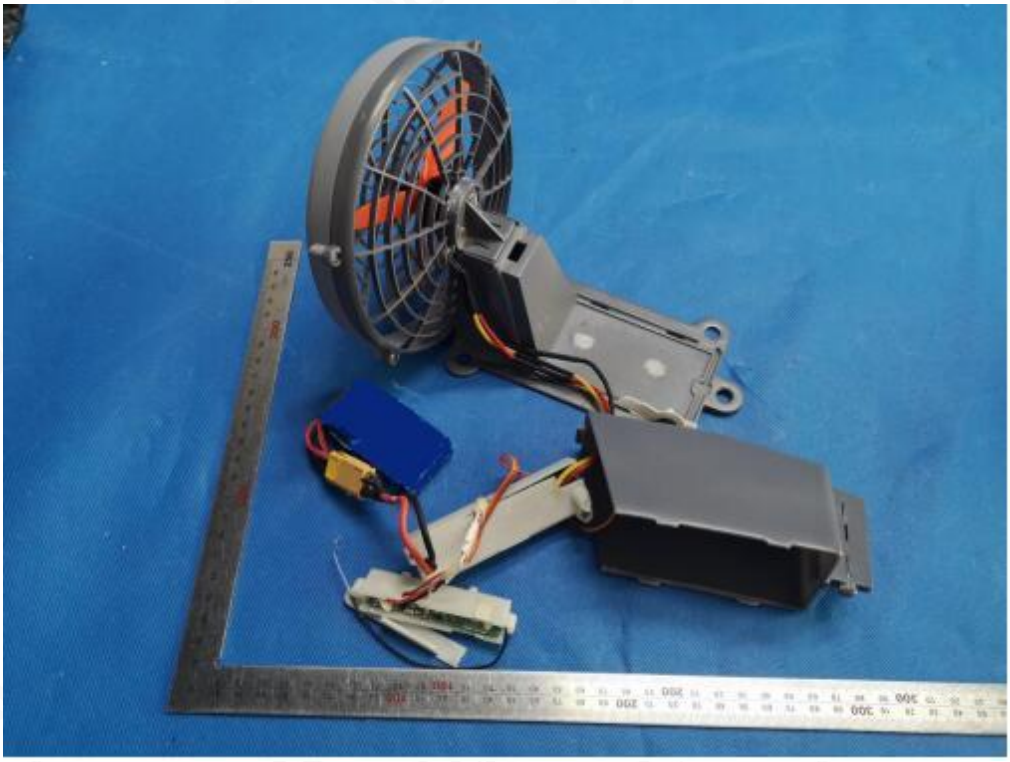
LEFT VIEW OF EUT



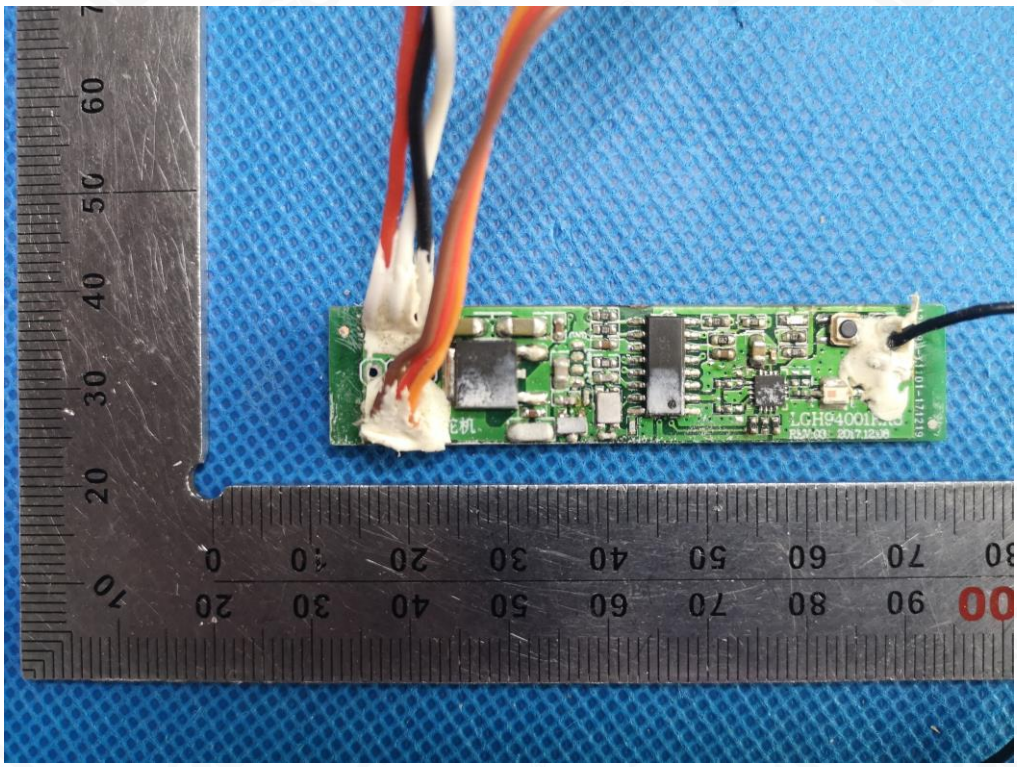
RIGHT VIEW OF EUT



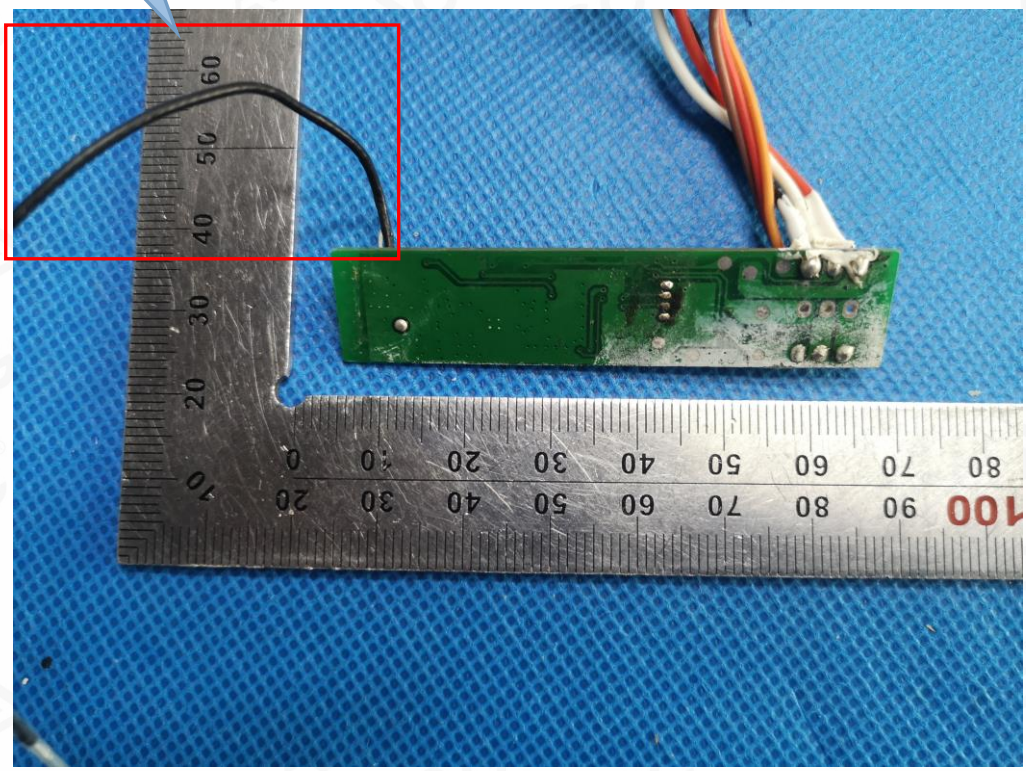
OPEN VIEW OF EUT



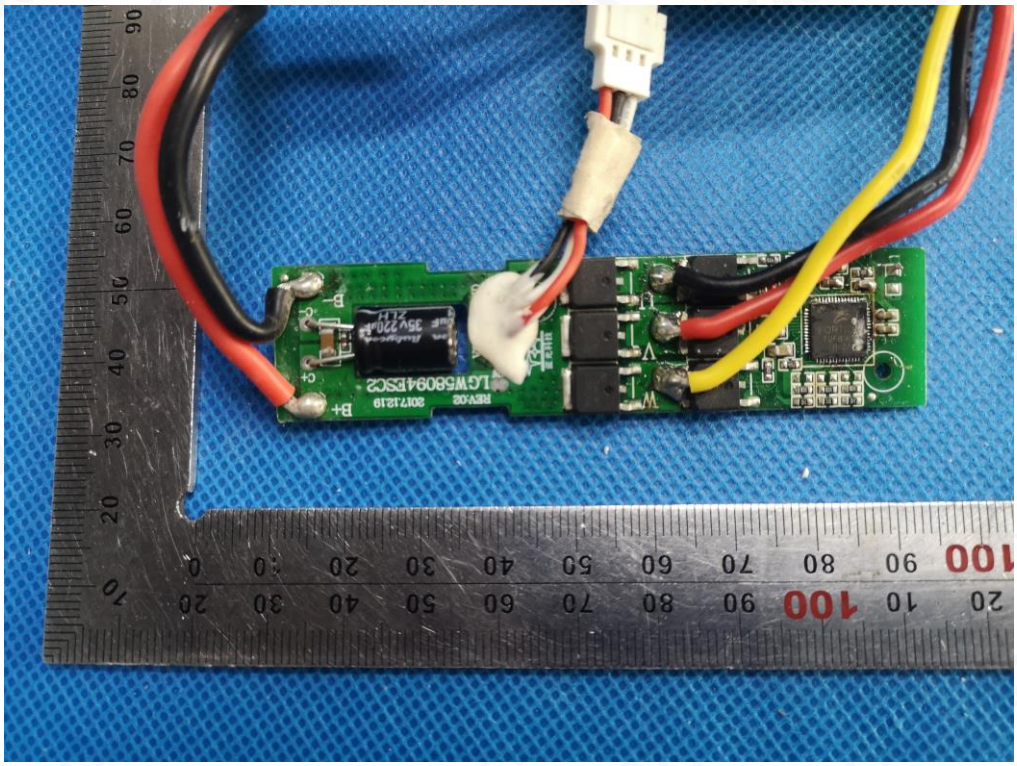
INTERNAL VIEW OF EUT-1



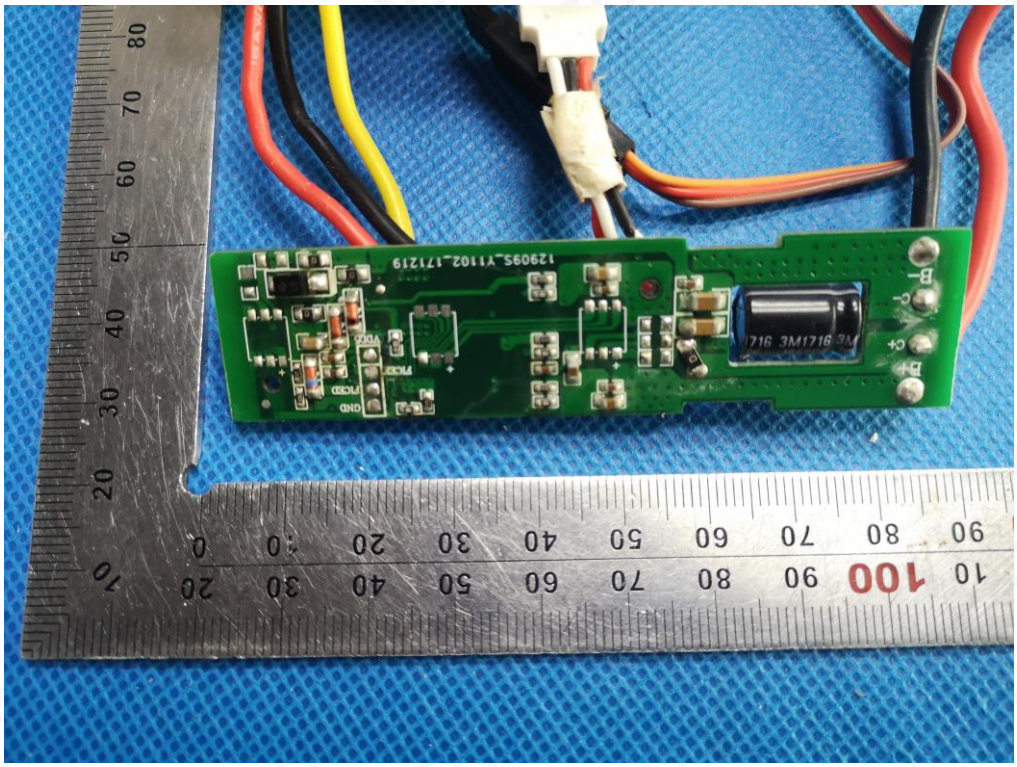
INTERNAL VIEW OF EUT-2



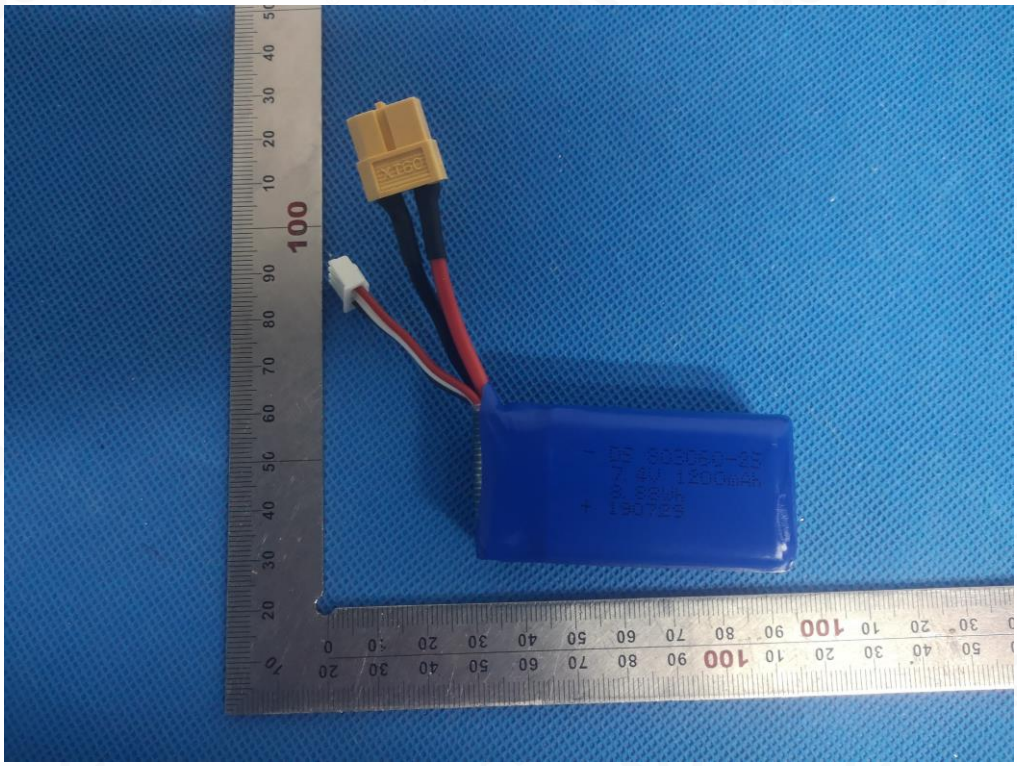
INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4



INTERNAL VIEW OF EUT-3



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