

# ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR LOW-POWER, NON-LICENSED TRANSMITTER

**Test Report No.** : OT-18N-RWD-004  
**AGR No.** : A18OA-116  
**Applicant** : BLUEMACAW  
**Address** : 108-202, 15, Anhyeon-ro, Gwangmyeong-si, Gyeonggi-do, Korea  
**Manufacturer** : BLUEMACAW  
**Address** : 108-202, 15, Anhyeon-ro, Gwangmyeong-si, Gyeonggi-do, Korea  
**Type of Equipment** : Selfie Stick  
**FCC ID.** : 2ARLHSELFIE  
**Model Name** : Selfie  
**Serial number** : N/A  
**Total page of Report** : 7 pages (including this page)  
**Date of Incoming** : October 12, 2018  
**Date of issue** : December 04, 2018

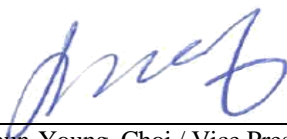
## SUMMARY

The equipment complies with the regulation; ***FCC PART 15 SUBPART C Section 15.247***

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

Reviewed by:   
 Jae-Ho Lee / Chief Engineer  
 ONETECH Corp.

Approved by:   
 Keun-Young, Choi / Vice President  
 ONETECH Corp.

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**Revision History**

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-18N-RWD-004	December 04, 2018	Initial Issue	All

## 1. VERIFICATION OF COMPLIANCE

Applicant : BLUEMACAW

Address : 108-202, 15, Anhyeon-ro, Gwangmyeong-si, Gyeonggi-do, Korea

Contact Person : Chi Hoon Han / CEO

Telephone No. : +82-70-8637-1930

FCC ID : 2ARLHSELFIE

Model Name : Selfie

Brand Name : -

Serial Number : N/A

Date : December 04, 2018

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Selfie Stick
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

## 2. GENERAL INFORMATION

### 2.1 Product Description

The BLUEMACAW, Model Selfie (referred to as the EUT in this report) is a Selfie Stick. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	Selfie Stick
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-0.76 dBm
Number of Channel	40 Channels
Modulation Type	GFSK
Antenna Type	PCB Antenna
Antenna Gain	-9.64 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32 MHz
Rated Supply Voltage	DC 3.0 V (Battery)

### 2.2 Alternative type(s)/model(s); also covered by this test report.

-. None

## 3. EUT MODIFICATIONS

-. None

## 4. SAR EXEMPTION EVALUATION

### 4.1 EUT Description

Kind of EUT	Selfie Stick
Operating Frequency Band	<input type="checkbox"/> Wireless Microphone: 494.000 MHz ~ 501.000 MHz and 498.200 MHz ~ 505.200 MHz <input type="checkbox"/> WLAN: 2 412 MHz ~ 2 462 MHz <input type="checkbox"/> WLAN: 5 180 MHz ~ 5 240 MHz <input type="checkbox"/> WLAN: 5 745 MHz ~ 5 825 MHz <input type="checkbox"/> Bluetooth: 2 402 MHz ~ 2 480 MHz <input checked="" type="checkbox"/> Bluetooth BLE: 2 402 MHz ~ 2 480 MHz
MAX. RF OUTPUT POWER	-0.76 dBm
Antenna Gain	-9.64 dBi
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A

## 4.2 SAR Exclusion Calculation

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= (0.84/5) \times \sqrt{2.480} = 0.26$$

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and are excluded from SAR Test.

Mode	Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
LE	2 480	-1.26 ± 0.5	-0.76	0.84	5	0.26



Tested by: Min-Gu Ji / Assistant Manager